

```

No.      Time                Source                Destination          Protocol Length Info
  1 0.000000000 192.168.11.11      192.168.11.10      ITS      155    CAM(v2)
Frame 1: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:12.481750632 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423192.481750632 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.000000000 seconds]
    Frame Number: 1
    Frame Length: 155 bytes (1240 bits)
    Capture Length: 155 bytes (1240 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... 0. .... = LG bit: Globally unique address (factory default)
        .... 0. .... = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... 0. .... = LG bit: Globally unique address (factory default)
        .... 0. .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 141
    Identification: 0x6518 (25880)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x3de2 [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 121
    Checksum: 0x3ec0 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 0.000000000 seconds]
      [Time since previous frame: 0.000000000 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 65
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```

```
generationDeltaTime: Unknown (39951) (0x9c0f, 39.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871239) (48.7871239 deg)
      longitude: Unknown (92110443) (9.2110443 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (286) (2.86 m)
        semiMinorConfidence: Unknown (286) (2.86 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30860) (308.60 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (24) (0.24 m/s, 0.86 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 2 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-9) (-0.0000009 deg)
                deltaLongitude: Unknown (15) (0.0000015 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (80) (0.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-190) (-1.90 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
2	0.000046990	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 2: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:12.481797622 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423192.481797622 seconds
[Time delta from previous captured frame: 0.000046990 seconds]
[Time delta from previous displayed frame: 0.000046990 seconds]
[Time since reference or first frame: 0.000046990 seconds]
Frame Number: 2
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xaaec (43756)
Flags: 0x0000
0... .. = Reserved bit: Not set
.0... .. = Don't fragment: Not set
..0... .. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x3742 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x6518 (25880)
Flags: 0x4000, Don't fragment
0... .. = Reserved bit: Not set
.1... .. = Don't fragment: Set
..0... .. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3de2 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x3ec0 [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (39951) (0x9c0f, 39.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871239) (48.7871239 deg)
            longitude: Unknown (92110443) (9.2110443 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (286) (2.86 m)
              semiMinorConfidence: Unknown (286) (2.86 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30860) (308.60 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (24) (0.24 m/s, 0.86 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-9) (-0.0000009 deg)
      deltaLongitude: Unknown (15) (0.0000015 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (80) (0.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
3	1.000089457	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 3: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:13.481840089 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423193.481840089 seconds

[Time delta from previous captured frame: 1.000042467 seconds]

[Time delta from previous displayed frame: 1.000042467 seconds]

[Time since reference or first frame: 1.000089457 seconds]

Frame Number: 3

Frame Length: 155 bytes (1240 bits)

Capture Length: 155 bytes (1240 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 141

Identification: 0x654d (25933)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3dad [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 121

Checksum: 0x6989 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 1.000089457 seconds]

[Time since previous frame: 1.000089457 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSSecureProfile: 0

GNSSecureParseResult: 0

GNSSecureVerifyResult: 0

GNSSecureSSPLen: 0

GNSSecureITSAID: 0x00000000

GNSSecureSSPBits: <MISSING>

GNSSecureCertId8: 0000000000000000

Length: 65

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (40951) (0x9ff7, 40.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871251) (48.7871251 deg)
      longitude: Unknown (92110418) (9.2110418 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (290) (2.90 m)
        semiMinorConfidence: Unknown (290) (2.90 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30860) (308.60 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (27) (0.27 m/s, 0.97 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .... brakePedalEngaged: False
        .0... .... gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .... lowBeamHeadlightsOn: False
        .0... .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-21) (-0.0000021 deg)
              deltaLongitude: Unknown (40) (0.0000040 deg)
              deltaAltitude: Unknown (-10) (-0.10 m)
              pathDeltaTime: Unknown (180) (1.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-46) (-0.0000046 deg)
              deltaLongitude: Unknown (-11) (-0.0000011 deg)
              deltaAltitude: Unknown (-180) (-1.80 m)
              pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
4	1.000134490	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 4: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:13.481885122 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423193.481885122 seconds
[Time delta from previous captured frame: 0.000045033 seconds]
[Time delta from previous displayed frame: 0.000045033 seconds]
[Time since reference or first frame: 1.000134490 seconds]
Frame Number: 4
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xab09 (43785)
Flags: 0x0000
0... = Reserved bit: Not set
.0... = Don't fragment: Not set
..0... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x3725 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x654d (25933)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1... = Don't fragment: Set
..0... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3dad [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x6989 [unverified]
[Checksum Status: Unverified]


```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (40951) (0x9ff7, 40.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871251) (48.7871251 deg)
            longitude: Unknown (92110418) (9.2110418 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (290) (2.90 m)
              semiMinorConfidence: Unknown (290) (2.90 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30860) (308.60 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (27) (0.27 m/s, 0.97 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-21) (-0.0000021 deg)
      deltaLongitude: Unknown (40) (0.0000040 deg)
      deltaAltitude: Unknown (-10) (-0.10 m)
    pathDeltaTime: Unknown (180) (1.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
  5 2.000900490 192.168.11.11 192.168.11.10    ITS      155    CAM(v2)
Frame 5: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:14.482651122 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423194.482651122 seconds
    [Time delta from previous captured frame: 1.000766000 seconds]
    [Time delta from previous displayed frame: 1.000766000 seconds]
    [Time since reference or first frame: 2.000900490 seconds]
    Frame Number: 5
    Frame Length: 155 bytes (1240 bits)
    Capture Length: 155 bytes (1240 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 141
    Identification: 0x6590 (26000)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x3d6a [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 121
    Checksum: 0x8163 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 2.000900490 seconds]
      [Time since previous frame: 1.000811033 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 65
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```

```
generationDeltaTime: Unknown (41951) (0xa3df, 41.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871251) (48.7871251 deg)
      longitude: Unknown (92110376) (9.2110376 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (295) (2.95 m)
        semiMinorConfidence: Unknown (295) (2.95 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30850) (308.50 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (21) (0.21 m/s, 0.76 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .... brakePedalEngaged: False
        .0... .... gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .... lowBeamHeadlightsOn: False
        .0... .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-21) (-0.0000021 deg)
              deltaLongitude: Unknown (83) (0.0000083 deg)
              deltaAltitude: Unknown (0) (0.00 m)
              pathDeltaTime: Unknown (280) (2.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-46) (-0.0000046 deg)
              deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
              deltaAltitude: Unknown (-180) (-1.80 m)
              pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
6	2.000956491	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 6: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:14.482707123 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423194.482707123 seconds
[Time delta from previous captured frame: 0.000056001 seconds]
[Time delta from previous displayed frame: 0.000056001 seconds]
[Time since reference or first frame: 2.000956491 seconds]
Frame Number: 6
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohdawir:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Destination: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Address: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xab00 (43952)
Flags: 0x0000
0... .. = Reserved bit: Not set
.0... .. = Don't fragment: Not set
..0... .. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x367e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x6590 (26000)
Flags: 0x4000, Don't fragment
0... .. = Reserved bit: Not set
.1... .. = Don't fragment: Set
..0... .. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3d6a [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x8163 [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (41951) (0xa3df, 41.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871251) (48.7871251 deg)
            longitude: Unknown (92110376) (9.2110376 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (295) (2.95 m)
              semiMinorConfidence: Unknown (295) (2.95 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30850) (308.50 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (21) (0.21 m/s, 0.76 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-21) (-0.0000021 deg)
      deltaLongitude: Unknown (83) (0.0000083 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (280) (2.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
7	2.999929916	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 7: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:15.481680548 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423195.481680548 seconds
[Time delta from previous captured frame: 0.998973425 seconds]
[Time delta from previous displayed frame: 0.998973425 seconds]
[Time since reference or first frame: 2.999929916 seconds]
Frame Number: 7
Frame Length: 155 bytes (1240 bits)
Capture Length: 155 bytes (1240 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x65f0 (26096)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3d0a [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x3301 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 2.999929916 seconds]
[Time since previous frame: 0.999029426 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 65
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam


```
generationDeltaTime: Unknown (42951) (0xa7c7, 42.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871251) (48.7871251 deg)
      longitude: Unknown (92110341) (9.2110341 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (300) (3.00 m)
        semiMinorConfidence: Unknown (300) (3.00 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30840) (308.40 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (13) (0.13 m/s, 0.47 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .... brakePedalEngaged: False
        .0... .... gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .... lowBeamHeadlightsOn: False
        .0... .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-21) (-0.0000021 deg)
              deltaLongitude: Unknown (118) (0.0000118 deg)
              deltaAltitude: Unknown (0) (0.00 m)
              pathDeltaTime: Unknown (380) (3.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-46) (-0.0000046 deg)
              deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
              deltaAltitude: Unknown (-170) (-1.70 m)
              pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
8	2.999971616	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 8: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:15.481722248 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423195.481722248 seconds
[Time delta from previous captured frame: 0.000041700 seconds]
[Time delta from previous displayed frame: 0.000041700 seconds]
[Time since reference or first frame: 2.999971616 seconds]
Frame Number: 8
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xabc0 (43968)
Flags: 0x0000
0... = Reserved bit: Not set
.0.. = Don't fragment: Not set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x366e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x65f0 (26096)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3d0a [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x3301 [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (42951) (0xa7c7, 42.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871251) (48.7871251 deg)
            longitude: Unknown (92110341) (9.2110341 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (300) (3.00 m)
              semiMinorConfidence: Unknown (300) (3.00 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30840) (308.40 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (13) (0.13 m/s, 0.47 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-21) (-0.0000021 deg)
      deltaLongitude: Unknown (118) (0.0000118 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (380) (3.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
9	4.000133364	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 9: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:16.481883996 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423196.481883996 seconds
[Time delta from previous captured frame: 1.000161748 seconds]
[Time delta from previous displayed frame: 1.000161748 seconds]
[Time since reference or first frame: 4.000133364 seconds]
Frame Number: 9
Frame Length: 155 bytes (1240 bits)
Capture Length: 155 bytes (1240 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x660c (26124)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3cee [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x15da [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 4.000133364 seconds]
[Time since previous frame: 1.000203448 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSecureProfile: 0
GNSecureParseResult: 0
GNSecureVerifyResult: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000000
GNSecureSSPBits: <MISSING>
GNSecureCertId8: 0000000000000000
Length: 65

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (43951) (0xabaf, 43.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871243) (48.7871243 deg)
      longitude: Unknown (92110296) (9.2110296 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (304) (3.04 m)
        semiMinorConfidence: Unknown (304) (3.04 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30820) (308.20 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (20) (0.20 m/s, 0.72 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .. brakePedalEngaged: False
          .0... .. gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .. lowBeamHeadlightsOn: False
          .0... .. highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 2 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-14) (-0.0000014 deg)
                deltaLongitude: Unknown (162) (0.0000162 deg)
                deltaAltitude: Unknown (20) (0.20 m)
                pathDeltaTime: Unknown (480) (4.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-170) (-1.70 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
10	4.000201738	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 10: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:16.481952370 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423196.481952370 seconds
[Time delta from previous captured frame: 0.000068374 seconds]
[Time delta from previous displayed frame: 0.000068374 seconds]
[Time since reference or first frame: 4.000201738 seconds]
Frame Number: 10
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xabd9 (43993)
Flags: 0x0000
0... = Reserved bit: Not set
.0... = Don't fragment: Not set
..0... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x3655 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x660c (26124)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1... = Don't fragment: Set
..0... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3cee [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x15da [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (43951) (0xabaf, 43.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871243) (48.7871243 deg)
            longitude: Unknown (92110296) (9.2110296 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (304) (3.04 m)
              semiMinorConfidence: Unknown (304) (3.04 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30820) (308.20 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (20) (0.20 m/s, 0.72 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```



```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-14) (-0.0000014 deg)
      deltaLongitude: Unknown (162) (0.0000162 deg)
      deltaAltitude: Unknown (20) (0.20 m)
    pathDeltaTime: Unknown (480) (4.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
11	4.999911568	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 11: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:17.481662200 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423197.481662200 seconds

[Time delta from previous captured frame: 0.999709830 seconds]

[Time delta from previous displayed frame: 0.999709830 seconds]

[Time since reference or first frame: 4.999911568 seconds]

Frame Number: 11

Frame Length: 155 bytes (1240 bits)

Capture Length: 155 bytes (1240 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 141

Identification: 0x6661 (26209)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3c99 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 121

Checksum: 0x54ff [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 4.999911568 seconds]

[Time since previous frame: 0.999778204 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 65

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (44951) (0xaf97, 44.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871238) (48.7871238 deg)
      longitude: Unknown (92110262) (9.2110262 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (309) (3.09 m)
        semiMinorConfidence: Unknown (309) (3.09 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30800) (308.00 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (24) (0.24 m/s, 0.86 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .. brakePedalEngaged: False
          .0... .. gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .. lowBeamHeadlightsOn: False
          .0... .. highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 2 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-9) (-0.0000009 deg)
                deltaLongitude: Unknown (197) (0.0000197 deg)
                deltaAltitude: Unknown (40) (0.40 m)
              pathDeltaTime: Unknown (580) (5.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
                deltaAltitude: Unknown (-170) (-1.70 m)
              pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
12	4.999960558	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 12: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:17.481711190 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423197.481711190 seconds

[Time delta from previous captured frame: 0.000048990 seconds]

[Time delta from previous displayed frame: 0.000048990 seconds]

[Time since reference or first frame: 4.999960558 seconds]

Frame Number: 12

Frame Length: 183 bytes (1464 bits)

Capture Length: 183 bytes (1464 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]

[Coloring Rule Name: ICMP errors]

[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)

1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 169

Identification: 0xac35 (44085)

Flags: 0x0000

0... = Reserved bit: Not set

.0.. = Don't fragment: Not set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: ICMP (1)

Header checksum: 0x35f9 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

Internet Control Message Protocol

Type: 3 (Destination unreachable)

Code: 3 (Port unreachable)

Checksum: 0x94ed [correct]

[Checksum Status: Good]

Unused: 00000000

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 141

Identification: 0x6661 (26209)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3c99 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 121

Checksum: 0x54ff [unverified]

[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (44951) (0xaf97, 44.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871238) (48.7871238 deg)
            longitude: Unknown (92110262) (9.2110262 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (309) (3.09 m)
              semiMinorConfidence: Unknown (309) (3.09 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30800) (308.00 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (24) (0.24 m/s, 0.86 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-9) (-0.0000009 deg)
      deltaLongitude: Unknown (197) (0.0000197 deg)
      deltaAltitude: Unknown (40) (0.40 m)
    pathDeltaTime: Unknown (580) (5.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
13	6.000104467	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 13: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:18.481855099 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423198.481855099 seconds

[Time delta from previous captured frame: 1.000143909 seconds]

[Time delta from previous displayed frame: 1.000143909 seconds]

[Time since reference or first frame: 6.000104467 seconds]

Frame Number: 13

Frame Length: 155 bytes (1240 bits)

Capture Length: 155 bytes (1240 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 141

Identification: 0x6688 (26248)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3c72 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 121

Checksum: 0x2264 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 6.000104467 seconds]

[Time since previous frame: 1.000192899 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSSecureProfile: 0

GNSSecureParseResult: 0

GNSSecureVerifyResult: 0

GNSSecureSSPLen: 0

GNSSecureITSAID: 0x00000000

GNSSecureSSPBits: <MISSING>

GNSSecureCertId8: 0000000000000000

Length: 65

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (45951) (0xb37f, 45.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871238) (48.7871238 deg)
      longitude: Unknown (92110222) (9.2110222 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (313) (3.13 m)
        semiMinorConfidence: Unknown (313) (3.13 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30790) (307.90 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (8) (0.08 m/s, 0.29 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .... brakePedalEngaged: False
        .0... .... gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .... lowBeamHeadlightsOn: False
        .0... .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-9) (-0.0000009 deg)
              deltaLongitude: Unknown (236) (0.0000236 deg)
              deltaAltitude: Unknown (60) (0.60 m)
            pathDeltaTime: Unknown (680) (6.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-46) (-0.0000046 deg)
              deltaLongitude: Unknown (-11) (-0.0000011 deg)
              deltaAltitude: Unknown (-180) (-1.80 m)
            pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
14	6.000154958	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 14: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:18.481905590 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423198.481905590 seconds
[Time delta from previous captured frame: 0.000050491 seconds]
[Time delta from previous displayed frame: 0.000050491 seconds]
[Time since reference or first frame: 6.000154958 seconds]
Frame Number: 14
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xad21 (44321)
Flags: 0x0000
0... = Reserved bit: Not set
.0.. = Don't fragment: Not set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x350d [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x6688 (26248)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3c72 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x2264 [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (45951) (0xb37f, 45.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871238) (48.7871238 deg)
            longitude: Unknown (92110222) (9.2110222 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (313) (3.13 m)
              semiMinorConfidence: Unknown (313) (3.13 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30790) (307.90 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (8) (0.08 m/s, 0.29 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-9) (-0.0000009 deg)
      deltaLongitude: Unknown (236) (0.0000236 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (680) (6.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
15	7.000023266	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 15: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:19.481773898 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423199.481773898 seconds
[Time delta from previous captured frame: 0.999868308 seconds]
[Time delta from previous displayed frame: 0.999868308 seconds]
[Time since reference or first frame: 7.000023266 seconds]
Frame Number: 15
Frame Length: 155 bytes (1240 bits)
Capture Length: 155 bytes (1240 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x66a9 (26281)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3c51 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x0db8 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 7.000023266 seconds]
[Time since previous frame: 0.999918799 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSecureProfile: 0
GNSecureParseResult: 0
GNSecureVerifyResult: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000000
GNSecureSSPBits: <MISSING>
GNSecureCertId8: 0000000000000000
Length: 65
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (46951) (0xb767, 46.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871235) (48.7871235 deg)
      longitude: Unknown (92110170) (9.2110170 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (317) (3.17 m)
        semiMinorConfidence: Unknown (317) (3.17 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30750) (307.50 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (11) (0.11 m/s, 0.40 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 2 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-5) (-0.0000005 deg)
                deltaLongitude: Unknown (288) (0.0000288 deg)
                deltaAltitude: Unknown (90) (0.90 m)
              pathDeltaTime: Unknown (780) (7.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-170) (-1.70 m)
              pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
16	7.000098176	192.168.11.10	192.168.11.11	ICMP	183	Destination unreachable (Port unreachable)

Frame 16: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:19.481848808 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423199.481848808 seconds
[Time delta from previous captured frame: 0.000074910 seconds]
[Time delta from previous displayed frame: 0.000074910 seconds]
[Time since reference or first frame: 7.000098176 seconds]
Frame Number: 16
Frame Length: 183 bytes (1464 bits)
Capture Length: 183 bytes (1464 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 169
Identification: 0xaddb (44507)
Flags: 0x0000
0... = Reserved bit: Not set
.0... = Don't fragment: Not set
..0... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x3453 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x94ed [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x66a9 (26281)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1... = Don't fragment: Set
..0... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3c51 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0x0db8 [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (46951) (0xb767, 46.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871235) (48.7871235 deg)
            longitude: Unknown (92110170) (9.2110170 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (317) (3.17 m)
              semiMinorConfidence: Unknown (317) (3.17 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30750) (307.50 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (11) (0.11 m/s, 0.40 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-5) (-0.0000005 deg)
      deltaLongitude: Unknown (288) (0.0000288 deg)
      deltaAltitude: Unknown (90) (0.90 m)
    pathDeltaTime: Unknown (780) (7.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
17	8.000162295	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 17: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:20.481912927 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423200.481912927 seconds
[Time delta from previous captured frame: 1.000064119 seconds]
[Time delta from previous displayed frame: 1.000064119 seconds]
[Time since reference or first frame: 8.000162295 seconds]
Frame Number: 17
Frame Length: 155 bytes (1240 bits)
Capture Length: 155 bytes (1240 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x66e9 (26345)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
1... = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3c11 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0xf756 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 8.000162295 seconds]
[Time since previous frame: 1.000139029 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSecureProfile: 0
GNSecureParseResult: 0
GNSecureVerifyResult: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000000
GNSecureSSPBits: <MISSING>
GNSecureCertId8: 0000000000000000
Length: 65
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (47951) (0xbb4f, 47.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871231) (48.7871231 deg)
      longitude: Unknown (92110145) (9.2110145 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (320) (3.20 m)
        semiMinorConfidence: Unknown (320) (3.20 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30730) (307.30 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (32) (0.32 m/s, 1.15 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .. brakePedalEngaged: False
        .0... .. gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .. lowBeamHeadlightsOn: False
        .0... .. highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-2) (-0.0000002 deg)
              deltaLongitude: Unknown (314) (0.0000314 deg)
              deltaAltitude: Unknown (110) (1.10 m)
            pathDeltaTime: Unknown (880) (8.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-45) (-0.0000045 deg)
              deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
              deltaAltitude: Unknown (-170) (-1.70 m)
            pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
  18 8.000209529  192.168.11.10  192.168.11.11    ICMP      183      Destination unreachable (Port unreachable)
Frame 18: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:20.481960161 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423200.481960161 seconds
    [Time delta from previous captured frame: 0.000047234 seconds]
    [Time delta from previous displayed frame: 0.000047234 seconds]
    [Time since reference or first frame: 8.000209529 seconds]
    Frame Number: 18
    Frame Length: 183 bytes (1464 bits)
    Capture Length: 183 bytes (1464 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
    [Coloring Rule Name: ICMP errors]
    [Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
  Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      ....0... = LG bit: Globally unique address (factory default)
      ....0... = IG bit: Individual address (unicast)
  Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      ....0... = LG bit: Globally unique address (factory default)
      ....0... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
  0100 .... = Version: 4
  ....0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
    1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
    ....0000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 169
  Identification: 0xadeb (44523)
  Flags: 0x0000
    0... .. = Reserved bit: Not set
    .0... .. = Don't fragment: Not set
    ..0... .. = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: ICMP (1)
  Header checksum: 0x3443 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.10
  Destination: 192.168.11.11
Internet Control Message Protocol
  Type: 3 (Destination unreachable)
  Code: 3 (Port unreachable)
  Checksum: 0x94ed [correct]
  [Checksum Status: Good]
  Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
  0100 .... = Version: 4
  ....0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    ....0000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 141
  Identification: 0x66e9 (26345)
  Flags: 0x4000, Don't fragment
    0... .. = Reserved bit: Not set
    .1... .. = Don't fragment: Set
    ..0... .. = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x3c11 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.11
  Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
  Source Port: 48343
  Destination Port: 4400
  Length: 121
  Checksum: 0xf756 [unverified]
  [Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 65
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (47951) (0xbb4f, 47.951 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871231) (48.7871231 deg)
            longitude: Unknown (92110145) (9.2110145 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (320) (3.20 m)
              semiMinorConfidence: Unknown (320) (3.20 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30730) (307.30 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (32) (0.32 m/s, 1.15 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 2 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-2) (-0.0000002 deg)
      deltaLongitude: Unknown (314) (0.0000314 deg)
      deltaAltitude: Unknown (110) (1.10 m)
    pathDeltaTime: Unknown (880) (8.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
19	9.000027364	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 19: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:21.481777996 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423201.481777996 seconds
[Time delta from previous captured frame: 0.999817835 seconds]
[Time delta from previous displayed frame: 0.999817835 seconds]
[Time since reference or first frame: 9.000027364 seconds]
Frame Number: 19
Frame Length: 155 bytes (1240 bits)
Capture Length: 155 bytes (1240 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x6724 (26404)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
1... = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3bd6 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0xe4e0 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 9.000027364 seconds]
[Time since previous frame: 0.999865069 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 65
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (48951) (0xbf37, 48.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871245) (48.7871245 deg)
      longitude: Unknown (92110163) (9.2110163 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (326) (3.26 m)
        semiMinorConfidence: Unknown (326) (3.26 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30750) (307.50 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (40) (0.40 m/s, 1.44 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .. brakePedalEngaged: False
        .0... .. gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .. lowBeamHeadlightsOn: False
        .0... .. highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-15) (-0.0000015 deg)
              deltaLongitude: Unknown (295) (0.0000295 deg)
              deltaAltitude: Unknown (90) (0.90 m)
            pathDeltaTime: Unknown (980) (9.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-46) (-0.0000046 deg)
              deltaLongitude: Unknown (-12) (-0.0000012 deg)
              deltaAltitude: Unknown (-170) (-1.70 m)
            pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
	20 9.999952715	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 20: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:22.481703347 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423202.481703347 seconds
[Time delta from previous captured frame: 0.999925351 seconds]
[Time delta from previous displayed frame: 0.999925351 seconds]
[Time since reference or first frame: 9.999952715 seconds]
Frame Number: 20
Frame Length: 155 bytes (1240 bits)
Capture Length: 155 bytes (1240 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 141
Identification: 0x674a (26442)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3bb0 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 121
Checksum: 0xea4c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 9.999952715 seconds]
[Time since previous frame: 0.999925351 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 65
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam


```
generationDeltaTime: Unknown (49951) (0xc31f, 49.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871253) (48.7871253 deg)
      longitude: Unknown (92110186) (9.2110186 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (331) (3.31 m)
        semiMinorConfidence: Unknown (331) (3.31 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30780) (307.80 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (40) (0.40 m/s, 1.44 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (4) (0.4 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 2 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-23) (-0.0000023 deg)
                deltaLongitude: Unknown (273) (0.0000273 deg)
                deltaAltitude: Unknown (70) (0.70 m)
                pathDeltaTime: Unknown (1080) (10.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
21	10.999816230	192.168.11.11	192.168.11.10	ITS	155	CAM(v2)

Frame 21: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:23.481566862 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423203.481566862 seconds

[Time delta from previous captured frame: 0.999863515 seconds]

[Time delta from previous displayed frame: 0.999863515 seconds]

[Time since reference or first frame: 10.999816230 seconds]

Frame Number: 21

Frame Length: 155 bytes (1240 bits)

Capture Length: 155 bytes (1240 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 141

Identification: 0x67aa (26538)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3b50 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 121

Checksum: 0x6ab0 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 10.999816230 seconds]

[Time since previous frame: 0.999863515 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 65

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (50951) (0xc707, 50.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871265) (48.7871265 deg)
      longitude: Unknown (92110220) (9.2110220 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (337) (3.37 m)
        semiMinorConfidence: Unknown (337) (3.37 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30820) (308.20 m)
        altitudeConfidence: alt-005-00 (8)
  highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: unavailable (3601)
        headingConfidence: unavailable (127)
      speed
        speedValue: Unknown (36) (0.36 m/s, 1.30 km/h)
        speedConfidence: unavailable (127)
      driveDirection: unavailable (2)
      vehicleLength
        vehicleLengthValue: Unknown (49) (4.9 m)
        vehicleLengthConfidenceIndication: unavailable (4)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: unavailable (1023)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: unavailable (2)
      yawRate
        yawRateValue: unavailable (32767)
        yawRateConfidence: unavailable (8)
      accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
        0... .... brakePedalEngaged: False
        .0... .... gasPedalEngaged: False
        ..0. .... emergencyBrakeEngaged: False
        ...0 .... collisionWarningEngaged: False
        .... 0... accEngaged: False
        .... .0.. cruiseControlEngaged: False
        .... ..0. speedLimiterEngaged: False
  lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
        0... .... lowBeamHeadlightsOn: False
        .0... .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 0... daytimeRunningLightsOn: False
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 2 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-35) (-0.0000035 deg)
              deltaLongitude: Unknown (238) (0.0000238 deg)
              deltaAltitude: Unknown (30) (0.30 m)
            pathDeltaTime: Unknown (1180) (11.80 sec)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: Unknown (-46) (-0.0000046 deg)
              deltaLongitude: Unknown (-11) (-0.0000011 deg)
              deltaAltitude: Unknown (-180) (-1.80 m)
            pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
  22 12.000022780 192.168.11.11 192.168.11.10    ITS      155    CAM(v2)
Frame 22: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:24.481773412 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423204.481773412 seconds
    [Time delta from previous captured frame: 1.000206550 seconds]
    [Time delta from previous displayed frame: 1.000206550 seconds]
    [Time since reference or first frame: 12.000022780 seconds]
    Frame Number: 22
    Frame Length: 155 bytes (1240 bits)
    Capture Length: 155 bytes (1240 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ..0. .... = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ..0. .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 141
    Identification: 0x67d3 (26579)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x3b27 [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 121
    Checksum: 0x9940 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 12.000022780 seconds]
      [Time since previous frame: 1.000206550 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 65
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```

```
generationDeltaTime: Unknown (51951) (0xcaef, 51.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871272) (48.7871272 deg)
      longitude: Unknown (92110249) (9.2110249 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (343) (3.43 m)
        semiMinorConfidence: Unknown (343) (3.43 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30840) (308.40 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (28) (0.28 m/s, 1.01 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-7) (-0.7 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 2 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-43) (-0.0000043 deg)
                deltaLongitude: Unknown (209) (0.0000209 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1280) (12.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-170) (-1.70 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
23	13.000000429	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 23: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:25.481751061 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423205.481751061 seconds
[Time delta from previous captured frame: 0.999977649 seconds]
[Time delta from previous displayed frame: 0.999977649 seconds]
[Time since reference or first frame: 13.000000429 seconds]
Frame Number: 23
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x6836 (26678)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3abb [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0x7e3b [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 13.000000429 seconds]
[Time since previous frame: 0.999977649 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 74
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (52951) (0xcd7, 52.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871282) (48.7871282 deg)
      longitude: Unknown (92110292) (9.2110292 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (349) (3.49 m)
        semiMinorConfidence: Unknown (349) (3.49 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30890) (308.90 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (32) (0.32 m/s, 1.15 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (6) (0.6 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .. brakePedalEngaged: False
          .0... .. gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .. lowBeamHeadlightsOn: False
          .0... .. highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-8) (-0.0000008 deg)
                deltaLongitude: Unknown (-37) (-0.0000037 deg)
                deltaAltitude: Unknown (-40) (-0.40 m)
                pathDeltaTime: Unknown (80) (0.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (203) (0.0000203 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-12) (-0.0000012 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time                Source                Destination          Protocol Length Info
  24 14.000020212    192.168.11.11        192.168.11.10        ITS      164    CAM(v2)
Frame 24: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:26.481770844 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423206.481770844 seconds
    [Time delta from previous captured frame: 1.000019783 seconds]
    [Time delta from previous displayed frame: 1.000019783 seconds]
    [Time since reference or first frame: 14.000020212 seconds]
    Frame Number: 24
    Frame Length: 164 bytes (1312 bits)
    Capture Length: 164 bytes (1312 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ..0. .... = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ..0. .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 150
    Identification: 0x6877 (26743)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x3a7a [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 130
    Checksum: 0x160e [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 14.000020212 seconds]
      [Time since previous frame: 1.000019783 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 74
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```



```
generationDeltaTime: Unknown (53951) (0xd2bf, 53.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871279) (48.7871279 deg)
      longitude: Unknown (92110329) (9.2110329 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (355) (3.55 m)
        semiMinorConfidence: Unknown (355) (3.55 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30910) (309.10 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (23) (0.23 m/s, 0.83 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-5) (-0.0000005 deg)
                deltaLongitude: Unknown (-74) (-0.0000074 deg)
                deltaAltitude: Unknown (-60) (-0.60 m)
                pathDeltaTime: Unknown (180) (1.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (203) (0.0000203 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
25	15.000083024	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 25: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:27.481833656 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423207.481833656 seconds
[Time delta from previous captured frame: 1.000062812 seconds]
[Time delta from previous displayed frame: 1.000062812 seconds]
[Time since reference or first frame: 15.000083024 seconds]
Frame Number: 25
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x68d8 (26840)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3a19 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0xfb2a [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 15.000083024 seconds]
[Time since previous frame: 1.000062812 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSecureProfile: 0
GNSecureParseResult: 0
GNSecureVerifyResult: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000000
GNSecureSSPBits: <MISSING>
GNSecureCertId8: 0000000000000000
Length: 74
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (54951) (0xd6a7, 54.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871295) (48.7871295 deg)
      longitude: Unknown (92110397) (9.2110397 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (362) (3.62 m)
        semiMinorConfidence: Unknown (362) (3.62 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30980) (309.80 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (25) (0.25 m/s, 0.90 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .. brakePedalEngaged: False
          .0... .. gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .. lowBeamHeadlightsOn: False
          .0... .. highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-21) (-0.0000021 deg)
                deltaLongitude: Unknown (-143) (-0.0000143 deg)
                deltaAltitude: Unknown (-130) (-1.30 m)
                pathDeltaTime: Unknown (280) (2.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-12) (-0.0000012 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
26	15.999271248	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 26: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:28.481021880 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423208.481021880 seconds
[Time delta from previous captured frame: 0.999188224 seconds]
[Time delta from previous displayed frame: 0.999188224 seconds]
[Time since reference or first frame: 15.999271248 seconds]
Frame Number: 26
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x6929 (26921)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x39c8 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0x20fe [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 15.999271248 seconds]
[Time since previous frame: 0.999188224 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 74
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (55951) (0xda8f, 55.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871288) (48.7871288 deg)
      longitude: Unknown (92110421) (9.2110421 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (368) (3.68 m)
        semiMinorConfidence: Unknown (368) (3.68 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30990) (309.90 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (20) (0.20 m/s, 0.72 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-14) (-0.0000014 deg)
                deltaLongitude: Unknown (-166) (-0.0000166 deg)
                deltaAltitude: Unknown (-130) (-1.30 m)
                pathDeltaTime: Unknown (380) (3.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (203) (0.0000203 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
27	16.999474650	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 27: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:29.481225282 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423209.481225282 seconds
[Time delta from previous captured frame: 1.000203402 seconds]
[Time delta from previous displayed frame: 1.000203402 seconds]
[Time since reference or first frame: 16.999474650 seconds]
Frame Number: 27
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x6971 (26993)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3980 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0x0dd4 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 16.999474650 seconds]
[Time since previous frame: 1.000203402 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 74
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (56951) (0xde77, 56.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871300) (48.7871300 deg)
      longitude: Unknown (92110478) (9.2110478 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (378) (3.78 m)
        semiMinorConfidence: Unknown (378) (3.78 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31030) (310.30 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (26) (0.26 m/s, 0.94 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .. brakePedalEngaged: False
          .0... .. gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .. lowBeamHeadlightsOn: False
          .0... .. highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-26) (-0.0000026 deg)
                deltaLongitude: Unknown (-223) (-0.0000223 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (480) (4.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
28	18.000151917	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 28: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:30.481902549 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423210.481902549 seconds
[Time delta from previous captured frame: 1.000677267 seconds]
[Time delta from previous displayed frame: 1.000677267 seconds]
[Time since reference or first frame: 18.000151917 seconds]
Frame Number: 28
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x69a3 (27043)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x394e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0x7bfa [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 18.000151917 seconds]
[Time since previous frame: 1.000677267 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSecureProfile: 0
GNSecureParseResult: 0
GNSecureVerifyResult: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000000
GNSecureSSPBits: <MISSING>
GNSecureCertId8: 0000000000000000
Length: 74

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam


```
generationDeltaTime: Unknown (57951) (0xe25f, 57.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871320) (48.7871320 deg)
      longitude: Unknown (92110558) (9.2110558 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (388) (3.88 m)
        semiMinorConfidence: Unknown (388) (3.88 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31110) (311.10 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (48) (0.48 m/s, 1.73 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (4) (0.4 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-303) (-0.0000303 deg)
                deltaAltitude: Unknown (-250) (-2.50 m)
                pathDeltaTime: Unknown (580) (5.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-46) (-0.0000046 deg)
                deltaLongitude: Unknown (-12) (-0.0000012 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
29	19.000081865	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 29: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:31.481832497 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423211.481832497 seconds
[Time delta from previous captured frame: 0.999929948 seconds]
[Time delta from previous displayed frame: 0.999929948 seconds]
[Time since reference or first frame: 19.000081865 seconds]
Frame Number: 29
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x69d3 (27091)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x391e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0x79fc [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 19.000081865 seconds]
[Time since previous frame: 0.999929948 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSecureProfile: 0
GNSecureParseResult: 0
GNSecureVerifyResult: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000000
GNSecureSSPBits: <MISSING>
GNSecureCertId8: 0000000000000000
Length: 74
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (58951) (0xe647, 58.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871293) (48.7871293 deg)
      longitude: Unknown (92110550) (9.2110550 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (393) (3.93 m)
        semiMinorConfidence: Unknown (393) (3.93 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31070) (310.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (25) (0.25 m/s, 0.90 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-18) (-0.0000018 deg)
                deltaLongitude: Unknown (-295) (-0.0000295 deg)
                deltaAltitude: Unknown (-210) (-2.10 m)
                pathDeltaTime: Unknown (680) (6.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-43) (-0.0000043 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (-11) (-0.0000011 deg)
                deltaAltitude: Unknown (-190) (-1.90 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
30	19.999326360	192.168.11.11	192.168.11.10	ITS	164	CAM(v2)

Frame 30: 164 bytes on wire (1312 bits), 164 bytes captured (1312 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:32.481076992 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423212.481076992 seconds
[Time delta from previous captured frame: 0.999244495 seconds]
[Time delta from previous displayed frame: 0.999244495 seconds]
[Time since reference or first frame: 19.999326360 seconds]
Frame Number: 30
Frame Length: 164 bytes (1312 bits)
Capture Length: 164 bytes (1312 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 150
Identification: 0x69e6 (27110)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x390b [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 130
Checksum: 0x5c04 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 19.999326360 seconds]
[Time since previous frame: 0.999244495 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 74
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (59951) (0xea2f, 59.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871291) (48.7871291 deg)
      longitude: Unknown (92110604) (9.2110604 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (396) (3.96 m)
        semiMinorConfidence: Unknown (396) (3.96 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31100) (311.00 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (50) (0.50 m/s, 1.80 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (4) (0.4 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 3 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-17) (-0.0000017 deg)
                deltaLongitude: Unknown (-348) (-0.0000348 deg)
                deltaAltitude: Unknown (-250) (-2.50 m)
                pathDeltaTime: Unknown (780) (7.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (205) (0.0000205 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
                deltaAltitude: Unknown (-180) (-1.80 m)
                pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
31	20.999399623	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 31: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:33.481150255 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423213.481150255 seconds
[Time delta from previous captured frame: 1.000073263 seconds]
[Time delta from previous displayed frame: 1.000073263 seconds]
[Time since reference or first frame: 20.999399623 seconds]
Frame Number: 31
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6a36 (27190)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x38b3 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0xaf83 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 20.999399623 seconds]
[Time since previous frame: 1.000073263 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (60951) (0xee17, 60.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871273) (48.7871273 deg)
      longitude: Unknown (92110624) (9.2110624 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (400) (4.00 m)
        semiMinorConfidence: Unknown (400) (4.00 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31090) (310.90 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (44) (0.44 m/s, 1.58 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (13) (0.0000013 deg)
                deltaLongitude: Unknown (-18) (-0.0000018 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (80) (0.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-351) (-0.0000351 deg)
                deltaAltitude: Unknown (-230) (-2.30 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

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```
pathPosition
  deltaLatitude: Unknown (-45) (-0.0000045 deg)
  deltaLongitude: Unknown (-11) (-0.0000011 deg)
  deltaAltitude: Unknown (-180) (-1.80 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
32	21.999990332	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 32: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:34.481740964 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423214.481740964 seconds
[Time delta from previous captured frame: 1.000590709 seconds]
[Time delta from previous displayed frame: 1.000590709 seconds]
[Time since reference or first frame: 21.999990332 seconds]
Frame Number: 32
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6a82 (27266)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3867 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0x6434 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 21.999990332 seconds]
[Time since previous frame: 1.000590709 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (61951) (0xf1ff, 61.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871250) (48.7871250 deg)
      longitude: Unknown (92110619) (9.2110619 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (404) (4.04 m)
        semiMinorConfidence: Unknown (404) (4.04 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31040) (310.40 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (29) (0.29 m/s, 1.04 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (35) (0.0000035 deg)
                deltaLongitude: Unknown (-14) (-0.0000014 deg)
                deltaAltitude: Unknown (40) (0.40 m)
                pathDeltaTime: Unknown (180) (1.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-351) (-0.0000351 deg)
                deltaAltitude: Unknown (-230) (-2.30 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-43) (-0.0000043 deg)
                deltaLongitude: Unknown (205) (0.0000205 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

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```
pathPosition
  deltaLatitude: Unknown (-46) (-0.0000046 deg)
  deltaLongitude: Unknown (-12) (-0.0000012 deg)
  deltaAltitude: Unknown (-180) (-1.80 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
33	22.999368243	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 33: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:35.481118875 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423215.481118875 seconds

[Time delta from previous captured frame: 0.999377911 seconds]

[Time delta from previous displayed frame: 0.999377911 seconds]

[Time since reference or first frame: 22.999368243 seconds]

Frame Number: 33

Frame Length: 172 bytes (1376 bits)

Capture Length: 172 bytes (1376 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 158

Identification: 0x6aaf (27311)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x383a [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 138

Checksum: 0x93f7 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 22.999368243 seconds]

[Time since previous frame: 0.999377911 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 82

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (62951) (0xf5e7, 62.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871231) (48.7871231 deg)
      longitude: Unknown (92110627) (9.2110627 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (407) (4.07 m)
        semiMinorConfidence: Unknown (407) (4.07 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (31020) (310.20 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (36) (0.36 m/s, 1.30 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (13) (1.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (55) (0.0000055 deg)
                deltaLongitude: Unknown (-21) (-0.0000021 deg)
                deltaAltitude: Unknown (70) (0.70 m)
                pathDeltaTime: Unknown (280) (2.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-14) (-0.0000014 deg)
                deltaLongitude: Unknown (-351) (-0.0000351 deg)
                deltaAltitude: Unknown (-230) (-2.30 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-43) (-0.0000043 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

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```
pathPosition
  deltaLatitude: Unknown (-45) (-0.0000045 deg)
  deltaLongitude: Unknown (-11) (-0.0000011 deg)
  deltaAltitude: Unknown (-190) (-1.90 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
34	23.999294618	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 34: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:36.481045250 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423216.481045250 seconds
[Time delta from previous captured frame: 0.999926375 seconds]
[Time delta from previous displayed frame: 0.999926375 seconds]
[Time since reference or first frame: 23.999294618 seconds]
Frame Number: 34
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6aef (27375)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x37fa [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0x160e [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 23.999294618 seconds]
[Time since previous frame: 0.999926375 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (63951) (0xf9cf, 63.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871197) (48.7871197 deg)
      longitude: Unknown (92110602) (9.2110602 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (412) (4.12 m)
        semiMinorConfidence: Unknown (412) (4.12 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30950) (309.50 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (9) (0.09 m/s, 0.32 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (89) (0.0000089 deg)
                deltaLongitude: Unknown (2) (0.0000002 deg)
                deltaAltitude: Unknown (140) (1.40 m)
                pathDeltaTime: Unknown (380) (3.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-349) (-0.0000349 deg)
                deltaAltitude: Unknown (-230) (-2.30 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```


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```
pathPosition
  deltaLatitude: Unknown (-45) (-0.0000045 deg)
  deltaLongitude: Unknown (-11) (-0.0000011 deg)
  deltaAltitude: Unknown (-190) (-1.90 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
35	24.078534695	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 35: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:36.560285327 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423216.560285327 seconds

[Time delta from previous captured frame: 0.079240077 seconds]

[Time delta from previous displayed frame: 0.079240077 seconds]

[Time since reference or first frame: 24.078534695 seconds]

Frame Number: 35

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ...0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8d34 (36148)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x151e [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 0.000000000 seconds]

[Time since previous frame: 0.000000000 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (6492) (0x195c, 6.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110043770) (11.0043770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4950) (49.50 m/s, 178.20 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
36	24.158018028	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 36: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:36.639768660 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423216.639768660 seconds
[Time delta from previous captured frame: 0.079483333 seconds]
[Time delta from previous displayed frame: 0.079483333 seconds]
[Time since reference or first frame: 24.158018028 seconds]
Frame Number: 36
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d42 (36162)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15d8 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.079483333 seconds]
[Time since previous frame: 0.079483333 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (6592) (0x19c0, 6.592 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110043100) (11.0043100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4905) (49.05 m/s, 176.58 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
37	24.260507781	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 37: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:36.742258413 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423216.742258413 seconds
[Time delta from previous captured frame: 0.102489753 seconds]
[Time delta from previous displayed frame: 0.102489753 seconds]
[Time since reference or first frame: 24.260507781 seconds]
Frame Number: 37
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d4c (36172)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15ce [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.181973086 seconds]
[Time since previous frame: 0.102489753 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (6692) (0x1a24, 6.692 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110042430) (11.0042430 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4868) (48.68 m/s, 175.25 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
38	24.365786011	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 38: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:36.847536643 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423216.847536643 seconds
[Time delta from previous captured frame: 0.105278230 seconds]
[Time delta from previous displayed frame: 0.105278230 seconds]
[Time since reference or first frame: 24.365786011 seconds]
Frame Number: 38
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d4f (36175)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15cb [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.287251316 seconds]
[Time since previous frame: 0.105278230 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (6792) (0x1a88, 6.792 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110041770) (11.0041770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4823) (48.23 m/s, 173.63 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
39	24.474446398	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 39: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:36.956197030 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423216.956197030 seconds
[Time delta from previous captured frame: 0.108660387 seconds]
[Time delta from previous displayed frame: 0.108660387 seconds]
[Time since reference or first frame: 24.474446398 seconds]
Frame Number: 39
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d59 (36185)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15c1 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.395911703 seconds]
[Time since previous frame: 0.108660387 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (6892) (0x1aec, 6.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110041120) (11.0041120 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4783) (47.83 m/s, 172.19 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
40	24.551297746	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 40: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:37.033048378 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423217.033048378 seconds

[Time delta from previous captured frame: 0.076851348 seconds]

[Time delta from previous displayed frame: 0.076851348 seconds]

[Time since reference or first frame: 24.551297746 seconds]

Frame Number: 40

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8d66 (36198)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x14ec [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 0.472763051 seconds]

[Time since previous frame: 0.076851348 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (6992) (0x1b50, 6.992 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110040470) (11.0040470 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4738) (47.38 m/s, 170.57 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```



```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
41	24.665945731	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 41: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.147696363 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.147696363 seconds
[Time delta from previous captured frame: 0.114647985 seconds]
[Time delta from previous displayed frame: 0.114647985 seconds]
[Time since reference or first frame: 24.665945731 seconds]
Frame Number: 41
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d68 (36200)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15b2 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.587411036 seconds]
[Time since previous frame: 0.114647985 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7092) (0x1bb4, 7.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110039830) (11.0039830 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4694) (46.94 m/s, 168.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
42	24.761130147	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 42: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.242880779 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.242880779 seconds
[Time delta from previous captured frame: 0.095184416 seconds]
[Time delta from previous displayed frame: 0.095184416 seconds]
[Time since reference or first frame: 24.761130147 seconds]
Frame Number: 42
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d70 (36208)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15aa [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.682595452 seconds]
[Time since previous frame: 0.095184416 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7192) (0x1c18, 7.192 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110039190) (11.0039190 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4656) (46.56 m/s, 167.62 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
43	24.861455414	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 43: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.343206046 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.343206046 seconds
[Time delta from previous captured frame: 0.100325267 seconds]
[Time delta from previous displayed frame: 0.100325267 seconds]
[Time since reference or first frame: 24.861455414 seconds]
Frame Number: 43
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d71 (36209)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15a9 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.782920719 seconds]
[Time since previous frame: 0.100325267 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7292) (0x1c7c, 7.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110038560) (11.0038560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4617) (46.17 m/s, 166.21 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
44	24.967266534	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 44: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.449017166 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.449017166 seconds
[Time delta from previous captured frame: 0.105811120 seconds]
[Time delta from previous displayed frame: 0.105811120 seconds]
[Time since reference or first frame: 24.967266534 seconds]
Frame Number: 44
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d73 (36211)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x15a7 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 0.888731839 seconds]
[Time since previous frame: 0.105811120 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7392) (0x1ce0, 7.392 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110037940) (11.0037940 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4572) (45.72 m/s, 164.59 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
45	24.999235877	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 45: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.480986509 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.480986509 seconds
[Time delta from previous captured frame: 0.031969343 seconds]
[Time delta from previous displayed frame: 0.031969343 seconds]
[Time since reference or first frame: 24.999235877 seconds]
Frame Number: 45
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6b45 (27461)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x37a4 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0xb0d1 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 24.999235877 seconds]
[Time since previous frame: 0.999941259 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (64951) (0xfdb7, 64.951 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871165) (48.7871165 deg)
      longitude: Unknown (92110591) (9.2110591 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (417) (4.17 m)
        semiMinorConfidence: Unknown (417) (4.17 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30900) (309.00 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (40) (0.40 m/s, 1.44 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (10) (1.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (120) (0.0000120 deg)
                deltaLongitude: Unknown (14) (0.0000014 deg)
                deltaAltitude: Unknown (180) (1.80 m)
                pathDeltaTime: Unknown (480) (4.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-230) (-2.30 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

Z:\Desktop\tests\test_hw_to_sim\local\capture.pcapng 166 total packets, 166 shown

```
pathPosition
  deltaLatitude: Unknown (-46) (-0.0000046 deg)
  deltaLongitude: Unknown (-11) (-0.0000011 deg)
  deltaAltitude: Unknown (-180) (-1.80 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
46	25.114698752	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 46: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:37.596449384 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423217.596449384 seconds

[Time delta from previous captured frame: 0.115462875 seconds]

[Time delta from previous displayed frame: 0.115462875 seconds]

[Time since reference or first frame: 25.114698752 seconds]

Frame Number: 46

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8d7c (36220)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x14d6 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 1.036164057 seconds]

[Time since previous frame: 0.147432218 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (7492) (0x1d44, 7.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110037320) (11.0037320 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4534) (45.34 m/s, 163.22 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
47	25.143134661	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 47: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:37.624885293 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423217.624885293 seconds

[Time delta from previous captured frame: 0.028435909 seconds]

[Time delta from previous displayed frame: 0.028435909 seconds]

[Time since reference or first frame: 25.143134661 seconds]

Frame Number: 47

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x8d83 (36227)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1597 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 1.064599966 seconds]

[Time since previous frame: 0.028435909 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (7592) (0x1da8, 7.592 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110036700) (11.0036700 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4497) (44.97 m/s, 161.89 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
48	25.262441449	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 48: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.744192081 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.744192081 seconds
[Time delta from previous captured frame: 0.119306788 seconds]
[Time delta from previous displayed frame: 0.119306788 seconds]
[Time since reference or first frame: 25.262441449 seconds]
Frame Number: 48
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8d94 (36244)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1586 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.183906754 seconds]
[Time since previous frame: 0.119306788 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7692) (0x1e0c, 7.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110036100) (11.0036100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4455) (44.55 m/s, 160.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
49	25.363570235	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 49: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:37.845320867 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423217.845320867 seconds

[Time delta from previous captured frame: 0.101128786 seconds]

[Time delta from previous displayed frame: 0.101128786 seconds]

[Time since reference or first frame: 25.363570235 seconds]

Frame Number: 49

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x8da5 (36261)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1575 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 1.285035540 seconds]

[Time since previous frame: 0.101128786 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (7792) (0x1e70, 7.792 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110035490) (11.0035490 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4410) (44.10 m/s, 158.76 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
50	25.468368165	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 50: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:37.950118797 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423217.950118797 seconds
[Time delta from previous captured frame: 0.104797930 seconds]
[Time delta from previous displayed frame: 0.104797930 seconds]
[Time since reference or first frame: 25.468368165 seconds]
Frame Number: 50
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8db0 (36272)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x156a [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.389833470 seconds]
[Time since previous frame: 0.104797930 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7892) (0x1ed4, 7.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110034900) (11.0034900 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4368) (43.68 m/s, 157.25 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
51	25.563121615	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 51: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.044872247 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.044872247 seconds
[Time delta from previous captured frame: 0.094753450 seconds]
[Time delta from previous displayed frame: 0.094753450 seconds]
[Time since reference or first frame: 25.563121615 seconds]
Frame Number: 51
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 309
Identification: 0x8db1 (36273)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x14a1 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 289
Checksum: 0x9898 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.484586920 seconds]
[Time since previous frame: 0.094753450 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 241
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (7992) (0x1f38, 7.992 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110034300) (11.0034300 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4324) (43.24 m/s, 155.66 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
52	25.666219595	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 52: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.147970227 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.147970227 seconds
[Time delta from previous captured frame: 0.103097980 seconds]
[Time delta from previous displayed frame: 0.103097980 seconds]
[Time since reference or first frame: 25.666219595 seconds]
Frame Number: 52
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8db8 (36280)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1562 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.587684900 seconds]
[Time since previous frame: 0.103097980 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8092) (0x1f9c, 8.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110033720) (11.0033720 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4290) (42.90 m/s, 154.44 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
53	25.741950806	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 53: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.223701438 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.223701438 seconds
[Time delta from previous captured frame: 0.075731211 seconds]
[Time delta from previous displayed frame: 0.075731211 seconds]
[Time since reference or first frame: 25.741950806 seconds]
Frame Number: 53
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8dba (36282)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1560 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.663416111 seconds]
[Time since previous frame: 0.075731211 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8192) (0x2000, 8.192 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110033140) (11.0033140 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4245) (42.45 m/s, 152.82 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
54	25.874858588	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 54: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.356609220 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.356609220 seconds
[Time delta from previous captured frame: 0.132907782 seconds]
[Time delta from previous displayed frame: 0.132907782 seconds]
[Time since reference or first frame: 25.874858588 seconds]
Frame Number: 54
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8dc5 (36293)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1555 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.796323893 seconds]
[Time since previous frame: 0.132907782 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8292) (0x2064, 8.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110032560) (11.0032560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4201) (42.01 m/s, 151.24 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
55	25.959526244	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 55: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.441276876 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.441276876 seconds
[Time delta from previous captured frame: 0.084667656 seconds]
[Time delta from previous displayed frame: 0.084667656 seconds]
[Time since reference or first frame: 25.959526244 seconds]
Frame Number: 55
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8dd5 (36309)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1545 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 1.880991549 seconds]
[Time since previous frame: 0.084667656 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8392) (0x20c8, 8.392 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110031990) (11.0031990 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4165) (41.65 m/s, 149.94 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
56	25.999872945	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 56: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.481623577 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.481623577 seconds
[Time delta from previous captured frame: 0.040346701 seconds]
[Time delta from previous displayed frame: 0.040346701 seconds]
[Time since reference or first frame: 25.999872945 seconds]
Frame Number: 56
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6b8a (27530)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
...0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x375f [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0xc450 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 25.999872945 seconds]
[Time since previous frame: 1.000637068 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (415) (0x019f, 0.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871138) (48.7871138 deg)
      longitude: Unknown (92110582) (9.2110582 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (423) (4.23 m)
        semiMinorConfidence: Unknown (423) (4.23 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30870) (308.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (46) (0.46 m/s, 1.66 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (12) (1.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (148) (0.0000148 deg)
                deltaLongitude: Unknown (23) (0.0000023 deg)
                deltaAltitude: Unknown (220) (2.20 m)
                pathDeltaTime: Unknown (580) (5.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-230) (-2.30 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

Z:\Desktop\tests\test_hw_to_sim\local\capture.pcapng 166 total packets, 166 shown

```
pathPosition
  deltaLatitude: Unknown (-45) (-0.0000045 deg)
  deltaLongitude: Unknown (-11) (-0.0000011 deg)
  deltaAltitude: Unknown (-180) (-1.80 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
57	26.039812092	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 57: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:38.521562724 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423218.521562724 seconds

[Time delta from previous captured frame: 0.039939147 seconds]

[Time delta from previous displayed frame: 0.039939147 seconds]

[Time since reference or first frame: 26.039812092 seconds]

Frame Number: 57

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8dd7 (36311)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x147b [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 1.961277397 seconds]

[Time since previous frame: 0.080285848 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (8492) (0x212c, 8.492 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110031430) (11.0031430 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4125) (41.25 m/s, 148.50 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
58	26.181374060	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 58: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.663124692 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.663124692 seconds
[Time delta from previous captured frame: 0.141561968 seconds]
[Time delta from previous displayed frame: 0.141561968 seconds]
[Time since reference or first frame: 26.181374060 seconds]
Frame Number: 58
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8df3 (36339)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1527 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.102839365 seconds]
[Time since previous frame: 0.141561968 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8592) (0x2190, 8.592 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110030870) (11.0030870 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4086) (40.86 m/s, 147.10 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
59	26.253688846	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 59: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.735439478 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.735439478 seconds
[Time delta from previous captured frame: 0.072314786 seconds]
[Time delta from previous displayed frame: 0.072314786 seconds]
[Time since reference or first frame: 26.253688846 seconds]
Frame Number: 59
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8dfc (36348)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x151e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.175154151 seconds]
[Time since previous frame: 0.072314786 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8692) (0x21f4, 8.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110030320) (11.0030320 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4041) (40.41 m/s, 145.48 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
60	26.367689309	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 60: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.849439941 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.849439941 seconds
[Time delta from previous captured frame: 0.114000463 seconds]
[Time delta from previous displayed frame: 0.114000463 seconds]
[Time since reference or first frame: 26.367689309 seconds]
Frame Number: 60
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8e14 (36372)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1506 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.289154614 seconds]
[Time since previous frame: 0.114000463 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8792) (0x2258, 8.792 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110029770) (11.0029770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (4000) (40.00 m/s, 144.00 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
61	26.463520118	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 61: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:38.945270750 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423218.945270750 seconds
[Time delta from previous captured frame: 0.095830809 seconds]
[Time delta from previous displayed frame: 0.095830809 seconds]
[Time since reference or first frame: 26.463520118 seconds]
Frame Number: 61
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8e18 (36376)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1502 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.384985423 seconds]
[Time since previous frame: 0.095830809 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8892) (0x22bc, 8.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110029230) (11.0029230 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3959) (39.59 m/s, 142.52 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
62	26.567643276	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 62: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:39.049393908 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423219.049393908 seconds
[Time delta from previous captured frame: 0.104123158 seconds]
[Time delta from previous displayed frame: 0.104123158 seconds]
[Time since reference or first frame: 26.567643276 seconds]
Frame Number: 62
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 309
Identification: 0x8e2a (36394)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1428 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 289
Checksum: 0x9898 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.489108581 seconds]
[Time since previous frame: 0.104123158 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 241
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (8992) (0x2320, 8.992 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110028700) (11.0028700 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3920) (39.20 m/s, 141.12 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
63	26.666263624	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 63: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:39.148014256 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423219.148014256 seconds
[Time delta from previous captured frame: 0.098620348 seconds]
[Time delta from previous displayed frame: 0.098620348 seconds]
[Time since reference or first frame: 26.666263624 seconds]
Frame Number: 63
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8e36 (36406)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x14e4 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.587728929 seconds]
[Time since previous frame: 0.098620348 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (9092) (0x2384, 9.092 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110028170) (11.0028170 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3882) (38.82 m/s, 139.75 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
64	26.863094246	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 64: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:39.344844878 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423219.344844878 seconds
[Time delta from previous captured frame: 0.196830622 seconds]
[Time delta from previous displayed frame: 0.196830622 seconds]
[Time since reference or first frame: 26.863094246 seconds]
Frame Number: 64
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8e5b (36443)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x14bf [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.784559551 seconds]
[Time since previous frame: 0.196830622 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (9292) (0x244c, 9.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110027120) (11.0027120 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3792) (37.92 m/s, 136.51 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
65	27.000209424	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 65: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:39.481960056 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423219.481960056 seconds
[Time delta from previous captured frame: 0.137115178 seconds]
[Time delta from previous displayed frame: 0.137115178 seconds]
[Time since reference or first frame: 27.000209424 seconds]
Frame Number: 65
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6ba7 (27559)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3742 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0x2147 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 27.000209424 seconds]
[Time since previous frame: 1.000336479 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (1415) (0x0587, 1.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871108) (48.7871108 deg)
      longitude: Unknown (92110543) (9.2110543 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (428) (4.28 m)
        semiMinorConfidence: Unknown (428) (4.28 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30810) (308.10 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (36) (0.36 m/s, 1.30 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (178) (0.0000178 deg)
                deltaLongitude: Unknown (61) (0.0000061 deg)
                deltaAltitude: Unknown (280) (2.80 m)
                pathDeltaTime: Unknown (680) (6.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-250) (-2.50 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-45) (-0.0000045 deg)
                deltaLongitude: Unknown (205) (0.0000205 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

Z:\Desktop\tests\test_hw_to_sim\local\capture.pcapng 166 total packets, 166 shown

```
pathPosition
  deltaLatitude: Unknown (-45) (-0.0000045 deg)
  deltaLongitude: Unknown (-12) (-0.0000012 deg)
  deltaAltitude: Unknown (-170) (-1.70 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
66	27.040313362	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 66: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:39.522063994 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423219.522063994 seconds
[Time delta from previous captured frame: 0.040103938 seconds]
[Time delta from previous displayed frame: 0.040103938 seconds]
[Time since reference or first frame: 27.040313362 seconds]
Frame Number: 66
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 309
Identification: 0x8e6b (36459)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x13e7 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 289
Checksum: 0x9898 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 2.961778667 seconds]
[Time since previous frame: 0.177219116 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 241
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (9492) (0x2514, 9.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110026100) (11.0026100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3713) (37.13 m/s, 133.67 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```



```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
67	27.296744409	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 67: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:39.778495041 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423219.778495041 seconds
[Time delta from previous captured frame: 0.256431047 seconds]
[Time delta from previous displayed frame: 0.256431047 seconds]
[Time since reference or first frame: 27.296744409 seconds]
Frame Number: 67
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8e95 (36501)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1485 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 3.218209714 seconds]
[Time since previous frame: 0.256431047 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (9692) (0x25dc, 9.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110025100) (11.0025100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3629) (36.29 m/s, 130.64 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
68	27.474686633	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 68: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:39.956437265 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423219.956437265 seconds

[Time delta from previous captured frame: 0.177942224 seconds]

[Time delta from previous displayed frame: 0.177942224 seconds]

[Time since reference or first frame: 27.474686633 seconds]

Frame Number: 68

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x8ebe (36542)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x145c [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 3.396151938 seconds]

[Time since previous frame: 0.177942224 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (9892) (0x26a4, 9.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110024130) (11.0024130 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3555) (35.55 m/s, 127.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
69	27.665732680	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 69: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:40.147483312 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423220.147483312 seconds

[Time delta from previous captured frame: 0.191046047 seconds]

[Time delta from previous displayed frame: 0.191046047 seconds]

[Time since reference or first frame: 27.665732680 seconds]

Frame Number: 69

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8ee7 (36583)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x136b [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 3.587197985 seconds]

[Time since previous frame: 0.191046047 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (10092) (0x276c, 10.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110023170) (11.0023170 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3472) (34.72 m/s, 124.99 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```



```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
70	27.863989535	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 70: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:40.345740167 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423220.345740167 seconds

[Time delta from previous captured frame: 0.198256855 seconds]

[Time delta from previous displayed frame: 0.198256855 seconds]

[Time since reference or first frame: 27.863989535 seconds]

Frame Number: 70

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x8f09 (36617)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1411 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 3.785454840 seconds]

[Time since previous frame: 0.198256855 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (10292) (0x2834, 10.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110022240) (11.0022240 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3388) (33.88 m/s, 121.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
71	28.000035517	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 71: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:40.481786149 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423220.481786149 seconds

[Time delta from previous captured frame: 0.136045982 seconds]

[Time delta from previous displayed frame: 0.136045982 seconds]

[Time since reference or first frame: 28.000035517 seconds]

Frame Number: 71

Frame Length: 172 bytes (1376 bits)

Capture Length: 172 bytes (1376 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 158

Identification: 0x6bb6 (27574)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3733 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 138

Checksum: 0xab7 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 28.000035517 seconds]

[Time since previous frame: 0.999826093 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 82

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (2415) (0x096f, 2.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871083) (48.7871083 deg)
      longitude: Unknown (92110526) (9.2110526 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (432) (4.32 m)
        semiMinorConfidence: Unknown (432) (4.32 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30770) (307.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (40) (0.40 m/s, 1.44 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (203) (0.0000203 deg)
                deltaLongitude: Unknown (78) (0.0000078 deg)
                deltaAltitude: Unknown (320) (3.20 m)
                pathDeltaTime: Unknown (780) (7.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-349) (-0.0000349 deg)
                deltaAltitude: Unknown (-240) (-2.40 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (204) (0.0000204 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

Z:\Desktop\tests\test_hw_to_sim\local\capture.pcapng 166 total packets, 166 shown

```
pathPosition
  deltaLatitude: Unknown (-46) (-0.0000046 deg)
  deltaLongitude: Unknown (-11) (-0.0000011 deg)
  deltaAltitude: Unknown (-180) (-1.80 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
72	28.038427051	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 72: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:40.520177683 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423220.520177683 seconds
[Time delta from previous captured frame: 0.038391534 seconds]
[Time delta from previous displayed frame: 0.038391534 seconds]
[Time since reference or first frame: 28.038427051 seconds]
Frame Number: 72
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8f34 (36660)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x13e6 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 3.959892356 seconds]
[Time since previous frame: 0.174437516 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (10492) (0x28fc, 10.492 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110021330) (11.0021330 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3312) (33.12 m/s, 119.23 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
73	28.264445079	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 73: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:40.746195711 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423220.746195711 seconds

[Time delta from previous captured frame: 0.226018028 seconds]

[Time delta from previous displayed frame: 0.226018028 seconds]

[Time since reference or first frame: 28.264445079 seconds]

Frame Number: 73

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8f5f (36703)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x12f3 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 4.185910384 seconds]

[Time since previous frame: 0.226018028 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (10692) (0x29c4, 10.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110020440) (11.0020440 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3227) (32.27 m/s, 116.17 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
74	28.455858588	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 74: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:40.937609220 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423220.937609220 seconds
[Time delta from previous captured frame: 0.191413509 seconds]
[Time delta from previous displayed frame: 0.191413509 seconds]
[Time since reference or first frame: 28.455858588 seconds]
Frame Number: 74
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8f74 (36724)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x13a6 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 4.377323893 seconds]
[Time since previous frame: 0.191413509 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (10892) (0x2a8c, 10.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110019570) (11.0019570 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3150) (31.50 m/s, 113.40 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
75	28.670819479	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 75: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:41.152570111 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423221.152570111 seconds
[Time delta from previous captured frame: 0.214960891 seconds]
[Time delta from previous displayed frame: 0.214960891 seconds]
[Time since reference or first frame: 28.670819479 seconds]
Frame Number: 75
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8f88 (36744)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1392 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 4.592284784 seconds]
[Time since previous frame: 0.214960891 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (11092) (0x2b54, 11.092 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110018730) (11.0018730 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (3076) (30.76 m/s, 110.74 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
76	28.864108418	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 76: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:41.345859050 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423221.345859050 seconds

[Time delta from previous captured frame: 0.193288939 seconds]

[Time delta from previous displayed frame: 0.193288939 seconds]

[Time since reference or first frame: 28.864108418 seconds]

Frame Number: 76

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8f9c (36764)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x12b6 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 4.785573723 seconds]

[Time since previous frame: 0.193288939 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (11292) (0x2c1c, 11.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110017900) (11.0017900 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2991) (29.91 m/s, 107.68 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
77	29.000158994	192.168.11.11	192.168.11.10	ITS	172	CAM(v2)

Frame 77: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:41.481909626 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423221.481909626 seconds
[Time delta from previous captured frame: 0.136050576 seconds]
[Time delta from previous displayed frame: 0.136050576 seconds]
[Time since reference or first frame: 29.000158994 seconds]
Frame Number: 77
Frame Length: 172 bytes (1376 bits)
Capture Length: 172 bytes (1376 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 158
Identification: 0x6bb7 (27575)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3732 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 138
Checksum: 0x463e [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 29.000158994 seconds]
[Time since previous frame: 1.000123477 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 82
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (3415) (0x0d57, 3.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871046) (48.7871046 deg)
      longitude: Unknown (92110479) (9.2110479 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (433) (4.33 m)
        semiMinorConfidence: Unknown (433) (4.33 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30690) (306.90 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (24) (0.24 m/s, 0.86 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (5) (0.5 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 4 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (240) (0.0000240 deg)
                deltaLongitude: Unknown (125) (0.0000125 deg)
                deltaAltitude: Unknown (400) (4.00 m)
                pathDeltaTime: Unknown (880) (8.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-250) (-2.50 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-44) (-0.0000044 deg)
                deltaLongitude: Unknown (205) (0.0000205 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1300) (13.00 sec)
          Item 3
            PathPoint
```

Z:\Desktop\tests\test_hw_to_sim\local\capture.pcapng 166 total packets, 166 shown

```
pathPosition
  deltaLatitude: Unknown (-46) (-0.0000046 deg)
  deltaLongitude: Unknown (-12) (-0.0000012 deg)
  deltaAltitude: Unknown (-170) (-1.70 m)
pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
78	29.066411061	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 78: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:41.548161693 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423221.548161693 seconds
[Time delta from previous captured frame: 0.066252067 seconds]
[Time delta from previous displayed frame: 0.066252067 seconds]
[Time since reference or first frame: 29.066411061 seconds]
Frame Number: 78
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8fa6 (36774)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1374 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 4.987876366 seconds]
[Time since previous frame: 0.202302643 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (11492) (0x2ce4, 11.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110017100) (11.0017100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2915) (29.15 m/s, 104.94 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
79	29.263231980	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 79: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:41.744982612 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423221.744982612 seconds
[Time delta from previous captured frame: 0.196820919 seconds]
[Time delta from previous displayed frame: 0.196820919 seconds]
[Time since reference or first frame: 29.263231980 seconds]
Frame Number: 79
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x8fc1 (36801)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1359 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 5.184697285 seconds]
[Time since previous frame: 0.196820919 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (11692) (0x2dac, 11.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110016320) (11.0016320 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2835) (28.35 m/s, 102.06 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
80	29.453352037	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 80: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:41.935102669 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423221.935102669 seconds

[Time delta from previous captured frame: 0.190120057 seconds]

[Time delta from previous displayed frame: 0.190120057 seconds]

[Time since reference or first frame: 29.453352037 seconds]

Frame Number: 80

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x8fdc (36828)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1276 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 5.374817342 seconds]

[Time since previous frame: 0.190120057 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (11892) (0x2e74, 11.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110015560) (11.0015560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2760) (27.60 m/s, 99.36 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
81	29.665573796	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 81: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:42.147324428 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423222.147324428 seconds
[Time delta from previous captured frame: 0.212221759 seconds]
[Time delta from previous displayed frame: 0.212221759 seconds]
[Time since reference or first frame: 29.665573796 seconds]
Frame Number: 81
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x9005 (36869)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1315 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 5.587039101 seconds]
[Time since previous frame: 0.212221759 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (12092) (0x2f3c, 12.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110014820) (11.0014820 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2682) (26.82 m/s, 96.55 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
82	29.862813231	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 82: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:42.344563863 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423222.344563863 seconds
[Time delta from previous captured frame: 0.197239435 seconds]
[Time delta from previous displayed frame: 0.197239435 seconds]
[Time since reference or first frame: 29.862813231 seconds]
Frame Number: 82
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x9031 (36913)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x12e9 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 5.784278536 seconds]
[Time since previous frame: 0.197239435 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (12292) (0x3004, 12.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110014110) (11.0014110 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2594) (25.94 m/s, 93.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
83	30.000135037	192.168.11.11	192.168.11.10	ITS	181	CAM(v2)

Frame 83: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:42.481885669 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423222.481885669 seconds
[Time delta from previous captured frame: 0.137321806 seconds]
[Time delta from previous displayed frame: 0.137321806 seconds]
[Time since reference or first frame: 30.000135037 seconds]
Frame Number: 83
Frame Length: 181 bytes (1448 bits)
Capture Length: 181 bytes (1448 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 167
Identification: 0x6bcd (27597)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
...0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3713 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 147
Checksum: 0x673c [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 30.000135037 seconds]
[Time since previous frame: 0.999976043 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 91
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (4415) (0x113f, 4.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871022) (48.7871022 deg)
      longitude: Unknown (92110444) (9.2110444 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (434) (4.34 m)
        semiMinorConfidence: Unknown (434) (4.34 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30630) (306.30 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (22) (0.22 m/s, 0.79 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 5 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (9) (0.0000009 deg)
                deltaLongitude: Unknown (20) (0.0000020 deg)
                deltaAltitude: Unknown (20) (0.20 m)
                pathDeltaTime: Unknown (60) (0.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-349) (-0.0000349 deg)
                deltaAltitude: Unknown (-240) (-2.40 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-44) (-0.0000044 deg)
        deltaLongitude: Unknown (203) (0.0000203 deg)
        deltaAltitude: Unknown (0) (0.00 m)
        pathDeltaTime: Unknown (1300) (13.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-12) (-0.0000012 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
      pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
84	30.034872164	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 84: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:42.516622796 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423222.516622796 seconds

[Time delta from previous captured frame: 0.034737127 seconds]

[Time delta from previous displayed frame: 0.034737127 seconds]

[Time since reference or first frame: 30.034872164 seconds]

Frame Number: 84

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x903f (36927)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1213 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 5.956337469 seconds]

[Time since previous frame: 0.172058933 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (12492) (0x30cc, 12.492 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110013410) (11.0013410 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2527) (25.27 m/s, 90.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
85	30.262367877	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 85: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:42.744118509 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423222.744118509 seconds
[Time delta from previous captured frame: 0.227495713 seconds]
[Time delta from previous displayed frame: 0.227495713 seconds]
[Time since reference or first frame: 30.262367877 seconds]
Frame Number: 85
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x9067 (36967)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x12b3 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 6.183833182 seconds]
[Time since previous frame: 0.227495713 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (12692) (0x3194, 12.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110012740) (11.0012740 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2445) (24.45 m/s, 88.02 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
86	30.496205657	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 86: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:42.977956289 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423222.977956289 seconds
[Time delta from previous captured frame: 0.233837780 seconds]
[Time delta from previous displayed frame: 0.233837780 seconds]
[Time since reference or first frame: 30.496205657 seconds]
Frame Number: 86
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x909a (37018)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1280 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 6.417670962 seconds]
[Time since previous frame: 0.233837780 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (12892) (0x325c, 12.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110012090) (11.0012090 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2362) (23.62 m/s, 85.03 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
87	30.676033101	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 87: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:43.157783733 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423223.157783733 seconds

[Time delta from previous captured frame: 0.179827444 seconds]

[Time delta from previous displayed frame: 0.179827444 seconds]

[Time since reference or first frame: 30.676033101 seconds]

Frame Number: 87

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x90b6 (37046)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x119c [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 6.597498406 seconds]

[Time since previous frame: 0.179827444 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (13092) (0x3324, 13.092 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110011460) (11.0011460 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2286) (22.86 m/s, 82.30 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
88	30.861124069	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 88: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:43.342874701 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423223.342874701 seconds
[Time delta from previous captured frame: 0.185090968 seconds]
[Time delta from previous displayed frame: 0.185090968 seconds]
[Time since reference or first frame: 30.861124069 seconds]
Frame Number: 88
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x90c0 (37056)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x125a [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 6.782589374 seconds]
[Time since previous frame: 0.185090968 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (13292) (0x33ec, 13.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110010850) (11.0010850 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2222) (22.22 m/s, 79.99 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
89	31.000037667	192.168.11.11	192.168.11.10	ITS	181	CAM(v2)

Frame 89: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:43.481788299 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423223.481788299 seconds

[Time delta from previous captured frame: 0.138913598 seconds]

[Time delta from previous displayed frame: 0.138913598 seconds]

[Time since reference or first frame: 31.000037667 seconds]

Frame Number: 89

Frame Length: 181 bytes (1448 bits)

Capture Length: 181 bytes (1448 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 167

Identification: 0x6c11 (27665)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x36cf [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 147

Checksum: 0xb07e [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 31.000037667 seconds]

[Time since previous frame: 0.999902630 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 91

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (5415) (0x1527, 5.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871000) (48.7871000 deg)
      longitude: Unknown (92110423) (9.2110423 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (435) (4.35 m)
        semiMinorConfidence: Unknown (435) (4.35 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30600) (306.00 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (21) (0.21 m/s, 0.76 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 5 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (31) (0.0000031 deg)
                deltaLongitude: Unknown (40) (0.0000040 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (160) (1.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-14) (-0.0000014 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-250) (-2.50 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-44) (-0.0000044 deg)
        deltaLongitude: Unknown (204) (0.0000204 deg)
        deltaAltitude: Unknown (0) (0.00 m)
        pathDeltaTime: Unknown (1300) (13.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-12) (-0.0000012 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
      pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
90	31.064999632	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 90: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:43.546750264 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423223.546750264 seconds

[Time delta from previous captured frame: 0.064961965 seconds]

[Time delta from previous displayed frame: 0.064961965 seconds]

[Time since reference or first frame: 31.064999632 seconds]

Frame Number: 90

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x90dd (37085)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x123d [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 6.986464937 seconds]

[Time since previous frame: 0.203875563 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (13492) (0x34b4, 13.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110010260) (11.0010260 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2139) (21.39 m/s, 77.00 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
91	31.270552046	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 91: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:43.752302678 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423223.752302678 seconds

[Time delta from previous captured frame: 0.205552414 seconds]

[Time delta from previous displayed frame: 0.205552414 seconds]

[Time since reference or first frame: 31.270552046 seconds]

Frame Number: 91

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x9108 (37128)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x114a [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 7.192017351 seconds]

[Time since previous frame: 0.205552414 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (13692) (0x357c, 13.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110009680) (11.0009680 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (2067) (20.67 m/s, 74.41 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
92	31.464135759	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 92: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:43.945886391 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423223.945886391 seconds
[Time delta from previous captured frame: 0.193583713 seconds]
[Time delta from previous displayed frame: 0.193583713 seconds]
[Time since reference or first frame: 31.464135759 seconds]
Frame Number: 92
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x9127 (37159)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x11f3 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 7.385601064 seconds]
[Time since previous frame: 0.193583713 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (13892) (0x3644, 13.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110009140) (11.0009140 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1984) (19.84 m/s, 71.42 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
93	31.655427234	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 93: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:44.137177866 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423224.137177866 seconds
[Time delta from previous captured frame: 0.191291475 seconds]
[Time delta from previous displayed frame: 0.191291475 seconds]
[Time since reference or first frame: 31.655427234 seconds]
Frame Number: 93
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x9129 (37161)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x11f1 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 7.576892539 seconds]
[Time since previous frame: 0.191291475 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (14092) (0x370c, 14.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110008610) (11.0008610 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1913) (19.13 m/s, 68.87 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-4) (-0.4 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
94	31.863195071	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 94: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:44.344945703 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423224.344945703 seconds

[Time delta from previous captured frame: 0.207767837 seconds]

[Time delta from previous displayed frame: 0.207767837 seconds]

[Time since reference or first frame: 31.863195071 seconds]

Frame Number: 94

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x9159 (37209)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x10f9 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 7.784660376 seconds]

[Time since previous frame: 0.207767837 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (14292) (0x37d4, 14.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110008100) (11.0008100 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1844) (18.44 m/s, 66.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
95	32.000178433	192.168.11.11	192.168.11.10	ITS	181	CAM(v2)

Frame 95: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:44.481929065 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423224.481929065 seconds
[Time delta from previous captured frame: 0.136983362 seconds]
[Time delta from previous displayed frame: 0.136983362 seconds]
[Time since reference or first frame: 32.000178433 seconds]
Frame Number: 95
Frame Length: 181 bytes (1448 bits)
Capture Length: 181 bytes (1448 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 167
Identification: 0x6c5c (27740)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3684 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 147
Checksum: 0x31f6 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 32.000178433 seconds]
[Time since previous frame: 1.000140766 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 91
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (6415) (0x190f, 6.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870978) (48.7870978 deg)
      longitude: Unknown (92110398) (9.2110398 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (429) (4.29 m)
        semiMinorConfidence: Unknown (429) (4.29 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30570) (305.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (8) (0.08 m/s, 0.29 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 5 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (53) (0.0000053 deg)
                deltaLongitude: Unknown (66) (0.0000066 deg)
                deltaAltitude: Unknown (90) (0.90 m)
                pathDeltaTime: Unknown (260) (2.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-240) (-2.40 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 3
            PathPoint
```



```
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (203) (0.0000203 deg)
      deltaAltitude: Unknown (0) (0.00 m)
      pathDeltaTime: Unknown (1300) (13.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
      pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
96	32.035864050	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 96: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:44.517614682 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423224.517614682 seconds
[Time delta from previous captured frame: 0.035685617 seconds]
[Time delta from previous displayed frame: 0.035685617 seconds]
[Time since reference or first frame: 32.035864050 seconds]
Frame Number: 96
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x916f (37231)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x11ab [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 7.957329355 seconds]
[Time since previous frame: 0.172668979 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (14492) (0x389c, 14.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110007610) (11.0007610 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1771) (17.71 m/s, 63.76 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
97	32.265862798	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 97: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:44.747613430 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423224.747613430 seconds

[Time delta from previous captured frame: 0.229998748 seconds]

[Time delta from previous displayed frame: 0.229998748 seconds]

[Time since reference or first frame: 32.265862798 seconds]

Frame Number: 97

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9181 (37249)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1199 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 8.187328103 seconds]

[Time since previous frame: 0.229998748 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (14692) (0x3964, 14.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110007140) (11.0007140 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1698) (16.98 m/s, 61.13 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
98	32.463827155	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 98: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:44.945577787 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423224.945577787 seconds

[Time delta from previous captured frame: 0.197964357 seconds]

[Time delta from previous displayed frame: 0.197964357 seconds]

[Time since reference or first frame: 32.463827155 seconds]

Frame Number: 98

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x91b3 (37299)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x109f [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 8.385292460 seconds]

[Time since previous frame: 0.197964357 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (14892) (0x3a2c, 14.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110006690) (11.0006690 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1629) (16.29 m/s, 58.64 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```



```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
99	32.655319919	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 99: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:45.137070551 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423225.137070551 seconds
[Time delta from previous captured frame: 0.191492764 seconds]
[Time delta from previous displayed frame: 0.191492764 seconds]
[Time since reference or first frame: 32.655319919 seconds]
Frame Number: 99
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x91d9 (37337)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x1141 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 8.576785224 seconds]
[Time since previous frame: 0.191492764 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (15092) (0x3af4, 15.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110006260) (11.0006260 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1555) (15.55 m/s, 55.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
100	32.864680978	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 100: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:45.346431610 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423225.346431610 seconds

[Time delta from previous captured frame: 0.209361059 seconds]

[Time delta from previous displayed frame: 0.209361059 seconds]

[Time since reference or first frame: 32.864680978 seconds]

Frame Number: 100

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x91f0 (37360)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x112a [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 8.786146283 seconds]

[Time since previous frame: 0.209361059 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (15292) (0x3bbc, 15.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110005860) (11.0005860 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1480) (14.80 m/s, 53.28 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
101	33.000068924	192.168.11.11	192.168.11.10	ITS	181	CAM(v2)

Frame 101: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:45.481819556 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423225.481819556 seconds

[Time delta from previous captured frame: 0.135387946 seconds]

[Time delta from previous displayed frame: 0.135387946 seconds]

[Time since reference or first frame: 33.000068924 seconds]

Frame Number: 101

Frame Length: 181 bytes (1448 bits)

Capture Length: 181 bytes (1448 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 167

Identification: 0x6cae (27822)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3632 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 147

Checksum: 0x1e48 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 33.000068924 seconds]

[Time since previous frame: 0.999890491 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 91

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (7415) (0x1cf7, 7.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870961) (48.7870961 deg)
      longitude: Unknown (92110394) (9.2110394 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (422) (4.22 m)
        semiMinorConfidence: Unknown (422) (4.22 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30550) (305.50 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 5 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (70) (0.0000070 deg)
                deltaLongitude: Unknown (70) (0.0000070 deg)
                deltaAltitude: Unknown (110) (1.10 m)
                pathDeltaTime: Unknown (360) (3.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-240) (-2.40 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-44) (-0.0000044 deg)
        deltaLongitude: Unknown (204) (0.0000204 deg)
        deltaAltitude: Unknown (0) (0.00 m)
        pathDeltaTime: Unknown (1300) (13.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-12) (-0.0000012 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
      pathDeltaTime: Unknown (1320) (13.20 sec)
```



```

No.      Time      Source      Destination      Protocol Length Info
 102 33.032703767 192.168.11.10 192.168.11.11    ITS      323    CAM(v2)
Frame 102: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:45.514454399 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423225.514454399 seconds
    [Time delta from previous captured frame: 0.032634843 seconds]
    [Time delta from previous displayed frame: 0.032634843 seconds]
    [Time since reference or first frame: 33.032703767 seconds]
    Frame Number: 102
    Frame Length: 323 bytes (2584 bits)
    Capture Length: 323 bytes (2584 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
  Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      .... ..0. .... = LG bit: Globally unique address (factory default)
      .... ...0 .... = IG bit: Individual address (unicast)
  Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      .... ..0. .... = LG bit: Globally unique address (factory default)
      .... ...0 .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 309
  Identification: 0x9207 (37383)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x104b [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.10
  Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
  Source Port: 55923
  Destination Port: 4401
  Length: 289
  Checksum: 0x9898 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 1]
  [Timestamps]
    [Time since first frame: 8.954169072 seconds]
    [Time since previous frame: 0.168022789 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 1
  DstPort: 2001
  DstInfo: 0
  GNCommsProfile: 0x00
  GNRepeatInterval: 0
  GNSecureProfile: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000024
  GNSecureSSPBits: <MISSING>
  Length: 241
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1277901399 (0x4c2b3a57)
    cam
      generationDeltaTime: Unknown (15492) (0x3c84, 15.492 sec)

```

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110005460) (11.0005460 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1416) (14.16 m/s, 50.98 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
103	33.272929129	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 103: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:45.754679761 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423225.754679761 seconds

[Time delta from previous captured frame: 0.240225362 seconds]

[Time delta from previous displayed frame: 0.240225362 seconds]

[Time since reference or first frame: 33.272929129 seconds]

Frame Number: 103

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9231 (37425)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x10e9 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 9.194394434 seconds]

[Time since previous frame: 0.240225362 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (15692) (0x3d4c, 15.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110005090) (11.0005090 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1341) (13.41 m/s, 48.28 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
104	33.462250040	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 104: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:45.944000672 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423225.944000672 seconds

[Time delta from previous captured frame: 0.189320911 seconds]

[Time delta from previous displayed frame: 0.189320911 seconds]

[Time since reference or first frame: 33.462250040 seconds]

Frame Number: 104

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9251 (37457)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x10c9 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 9.383715345 seconds]

[Time since previous frame: 0.189320911 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (15892) (0x3e14, 15.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110004740) (11.0004740 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1277) (12.77 m/s, 45.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
105	33.693404157	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 105: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:46.175154789 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423226.175154789 seconds

[Time delta from previous captured frame: 0.231154117 seconds]

[Time delta from previous displayed frame: 0.231154117 seconds]

[Time since reference or first frame: 33.693404157 seconds]

Frame Number: 105

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x925a (37466)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0ff8 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 9.614869462 seconds]

[Time since previous frame: 0.231154117 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (16092) (0x3edc, 16.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110004410) (11.0004410 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1205) (12.05 m/s, 43.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
106	33.865970711	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 106: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:46.347721343 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423226.347721343 seconds
[Time delta from previous captured frame: 0.172566554 seconds]
[Time delta from previous displayed frame: 0.172566554 seconds]
[Time since reference or first frame: 33.865970711 seconds]
Frame Number: 106
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x9263 (37475)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x10b7 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 9.787436016 seconds]
[Time since previous frame: 0.172566554 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (16292) (0x3fa4, 16.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110004090) (11.0004090 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1145) (11.45 m/s, 41.22 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

```

No.      Time          Source          Destination      Protocol Length Info
 107 34.000116842    192.168.11.11    192.168.11.10    ITS      181    CAM(v2)
Frame 107: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:46.481867474 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423226.481867474 seconds
    [Time delta from previous captured frame: 0.134146131 seconds]
    [Time delta from previous displayed frame: 0.134146131 seconds]
    [Time since reference or first frame: 34.000116842 seconds]
    Frame Number: 107
    Frame Length: 181 bytes (1448 bits)
    Capture Length: 181 bytes (1448 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
  Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    .... ..0. .... .. = LG bit: Globally unique address (factory default)
    .... ..0. .... .. = IG bit: Individual address (unicast)
  Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    .... ..0. .... .. = LG bit: Globally unique address (factory default)
    .... ..0. .... .. = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 167
  Identification: 0x6cbd (27837)
  Flags: 0x4000, Don't fragment
    0... .... .. = Reserved bit: Not set
    .1.. .... .. = Don't fragment: Set
    ..0. .... .. = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x3623 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.11
  Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
  Source Port: 48343
  Destination Port: 4400
  Length: 147
  Checksum: 0x7baa [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Timestamps]
    [Time since first frame: 34.000116842 seconds]
    [Time since previous frame: 1.000047918 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSAID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 91
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam

```

```
generationDeltaTime: Unknown (8415) (0x20df, 8.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870956) (48.7870956 deg)
      longitude: Unknown (92110405) (9.2110405 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (416) (4.16 m)
        semiMinorConfidence: Unknown (416) (4.16 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30570) (305.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (6) (0.06 m/s, 0.22 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-5) (-0.5 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 5 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (59) (0.0000059 deg)
                deltaAltitude: Unknown (90) (0.90 m)
                pathDeltaTime: Unknown (460) (4.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-240) (-2.40 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (-45) (-0.0000045 deg)
        deltaLongitude: Unknown (203) (0.0000203 deg)
        deltaAltitude: Unknown (0) (0.00 m)
      pathDeltaTime: Unknown (1300) (13.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
108	34.034303846	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 108: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:46.516054478 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423226.516054478 seconds

[Time delta from previous captured frame: 0.034187004 seconds]

[Time delta from previous displayed frame: 0.034187004 seconds]

[Time since reference or first frame: 34.034303846 seconds]

Frame Number: 108

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x926a (37482)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x10b0 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 9.955769151 seconds]

[Time since previous frame: 0.168333135 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (16492) (0x406c, 16.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110003790) (11.0003790 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1074) (10.74 m/s, 38.66 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
109	34.267181565	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 109: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:46.748932197 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423226.748932197 seconds

[Time delta from previous captured frame: 0.232877719 seconds]

[Time delta from previous displayed frame: 0.232877719 seconds]

[Time since reference or first frame: 34.267181565 seconds]

Frame Number: 109

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x9296 (37526)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0fbc [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 10.188646870 seconds]

[Time since previous frame: 0.232877719 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (16692) (0x4134, 16.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110003510) (11.0003510 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (1008) (10.08 m/s, 36.29 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
110	34.469592487	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 110: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:46.951343119 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423226.951343119 seconds

[Time delta from previous captured frame: 0.202410922 seconds]

[Time delta from previous displayed frame: 0.202410922 seconds]

[Time since reference or first frame: 34.469592487 seconds]

Frame Number: 110

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9299 (37529)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1081 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 10.391057792 seconds]

[Time since previous frame: 0.202410922 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (16892) (0x41fc, 16.892 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110003250) (11.0003250 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (951) (9.51 m/s, 34.24 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
111	34.666625633	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 111: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:47.148376265 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423227.148376265 seconds

[Time delta from previous captured frame: 0.197033146 seconds]

[Time delta from previous displayed frame: 0.197033146 seconds]

[Time since reference or first frame: 34.666625633 seconds]

Frame Number: 111

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x92be (37566)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x105c [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 10.588090938 seconds]

[Time since previous frame: 0.197033146 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (17092) (0x42c4, 17.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110003000) (11.0003000 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (885) (8.85 m/s, 31.86 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
112	34.868785129	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 112: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:47.350535761 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423227.350535761 seconds

[Time delta from previous captured frame: 0.202159496 seconds]

[Time delta from previous displayed frame: 0.202159496 seconds]

[Time since reference or first frame: 34.868785129 seconds]

Frame Number: 112

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x92ed (37613)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0f65 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 10.790250434 seconds]

[Time since previous frame: 0.202159496 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (17292) (0x438c, 17.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002770) (11.0002770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (827) (8.27 m/s, 29.77 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
113	35.000046541	192.168.11.11	192.168.11.10	ITS	181	CAM(v2)

Frame 113: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:47.481797173 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423227.481797173 seconds
[Time delta from previous captured frame: 0.131261412 seconds]
[Time delta from previous displayed frame: 0.131261412 seconds]
[Time since reference or first frame: 35.000046541 seconds]
Frame Number: 113
Frame Length: 181 bytes (1448 bits)
Capture Length: 181 bytes (1448 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 167
Identification: 0x6d0a (27914)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x35d6 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 147
Checksum: 0x6917 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 35.000046541 seconds]
[Time since previous frame: 0.999929699 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 91
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam


```
generationDeltaTime: Unknown (9415) (0x24c7, 9.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870956) (48.7870956 deg)
      longitude: Unknown (92110437) (9.2110437 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (411) (4.11 m)
        semiMinorConfidence: Unknown (411) (4.11 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30600) (306.00 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (16) (0.16 m/s, 0.58 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-7) (-0.7 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 5 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (27) (0.0000027 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (560) (5.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-13) (-0.0000013 deg)
                deltaLongitude: Unknown (-350) (-0.0000350 deg)
                deltaAltitude: Unknown (-240) (-2.40 m)
                pathDeltaTime: Unknown (800) (8.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-45) (-0.0000045 deg)
        deltaLongitude: Unknown (203) (0.0000203 deg)
        deltaAltitude: Unknown (0) (0.00 m)
      pathDeltaTime: Unknown (1300) (13.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
114	35.036534630	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 114: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:47.518285262 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423227.518285262 seconds

[Time delta from previous captured frame: 0.036488089 seconds]

[Time delta from previous displayed frame: 0.036488089 seconds]

[Time since reference or first frame: 35.036534630 seconds]

Frame Number: 114

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9313 (37651)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x1007 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 10.957999935 seconds]

[Time since previous frame: 0.167749501 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (17492) (0x4454, 17.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002560) (11.0002560 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (766) (7.66 m/s, 27.58 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
115	35.260253854	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 115: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:47.742004486 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423227.742004486 seconds

[Time delta from previous captured frame: 0.223719224 seconds]

[Time delta from previous displayed frame: 0.223719224 seconds]

[Time since reference or first frame: 35.260253854 seconds]

Frame Number: 115

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x932d (37677)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0fed [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 11.181719159 seconds]

[Time since previous frame: 0.223719224 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (17692) (0x451c, 17.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002360) (11.0002360 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (709) (7.09 m/s, 25.52 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
116	35.450240136	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 116: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:47.931990768 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423227.931990768 seconds

[Time delta from previous captured frame: 0.189986282 seconds]

[Time delta from previous displayed frame: 0.189986282 seconds]

[Time since reference or first frame: 35.450240136 seconds]

Frame Number: 116

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x934c (37708)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0f06 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 11.371705441 seconds]

[Time since previous frame: 0.189986282 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (17892) (0x45e4, 17.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002180) (11.0002180 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (651) (6.51 m/s, 23.44 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```



```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
117	35.664046348	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 117: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:48.145796980 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423228.145796980 seconds

[Time delta from previous captured frame: 0.213806212 seconds]

[Time delta from previous displayed frame: 0.213806212 seconds]

[Time since reference or first frame: 35.664046348 seconds]

Frame Number: 117

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x935b (37723)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0fbf [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 11.585511653 seconds]

[Time since previous frame: 0.213806212 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (18092) (0x46ac, 18.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110002020) (11.0002020 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (594) (5.94 m/s, 21.38 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
118	35.902197923	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 118: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:48.383948555 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423228.383948555 seconds

[Time delta from previous captured frame: 0.238151575 seconds]

[Time delta from previous displayed frame: 0.238151575 seconds]

[Time since reference or first frame: 35.902197923 seconds]

Frame Number: 118

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9361 (37729)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0fb9 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 11.823663228 seconds]

[Time since previous frame: 0.238151575 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (18292) (0x4774, 18.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001860) (11.0001860 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (545) (5.45 m/s, 19.62 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
119	36.000045702	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 119: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:48.481796334 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423228.481796334 seconds

[Time delta from previous captured frame: 0.097847779 seconds]

[Time delta from previous displayed frame: 0.097847779 seconds]

[Time since reference or first frame: 36.000045702 seconds]

Frame Number: 119

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6d5a (27994)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x357d [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x43e7 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 36.000045702 seconds]

[Time since previous frame: 0.999999161 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSSecureProfile: 0

GNSSecureParseResult: 0

GNSSecureVerifyResult: 0

GNSSecureSSPLen: 0

GNSSecureITSAID: 0x00000000

GNSSecureSSPBits: <MISSING>

GNSSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (10415) (0x28af, 10.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870961) (48.7870961 deg)
      longitude: Unknown (92110475) (9.2110475 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (405) (4.05 m)
        semiMinorConfidence: Unknown (405) (4.05 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30620) (306.20 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (16) (0.16 m/s, 0.58 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-4) (-0.0000004 deg)
                deltaLongitude: Unknown (-27) (-0.0000027 deg)
                deltaAltitude: Unknown (-10) (-0.10 m)
                pathDeltaTime: Unknown (60) (0.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (74) (0.0000074 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (50) (0.50 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
120	36.036639893	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 120: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:48.518390525 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423228.518390525 seconds

[Time delta from previous captured frame: 0.036594191 seconds]

[Time delta from previous displayed frame: 0.036594191 seconds]

[Time since reference or first frame: 36.036639893 seconds]

Frame Number: 120

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x937f (37759)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0ed3 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 11.958105198 seconds]

[Time since previous frame: 0.134441970 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (18492) (0x483c, 18.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001730) (11.0001730 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (494) (4.94 m/s, 17.78 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
121	36.263555521	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 121: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:48.745306153 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423228.745306153 seconds

[Time delta from previous captured frame: 0.226915628 seconds]

[Time delta from previous displayed frame: 0.226915628 seconds]

[Time since reference or first frame: 36.263555521 seconds]

Frame Number: 121

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9399 (37785)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0f81 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 12.185020826 seconds]

[Time since previous frame: 0.226915628 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (18692) (0x4904, 18.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001600) (11.0001600 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (447) (4.47 m/s, 16.09 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
122	36.451917870	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 122: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:48.933668502 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423228.933668502 seconds
[Time delta from previous captured frame: 0.188362349 seconds]
[Time delta from previous displayed frame: 0.188362349 seconds]
[Time since reference or first frame: 36.451917870 seconds]
Frame Number: 122
Frame Length: 123 bytes (984 bits)
Capture Length: 123 bytes (984 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 109
Identification: 0x939f (37791)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x0f7b [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 89
Checksum: 0x97d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 12.373383175 seconds]
[Time since previous frame: 0.188362349 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 41

ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (18892) (0x49cc, 18.892 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001490) (11.0001490 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (397) (3.97 m/s, 14.29 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
123	36.662224751	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 123: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:49.143975383 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423229.143975383 seconds

[Time delta from previous captured frame: 0.210306881 seconds]

[Time delta from previous displayed frame: 0.210306881 seconds]

[Time since reference or first frame: 36.662224751 seconds]

Frame Number: 123

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x93d2 (37842)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0e80 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 12.583690056 seconds]

[Time since previous frame: 0.210306881 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (19092) (0x4a94, 19.092 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001390) (11.0001390 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (362) (3.62 m/s, 13.03 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
124	36.907172147	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 124: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:49.388922779 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423229.388922779 seconds

[Time delta from previous captured frame: 0.244947396 seconds]

[Time delta from previous displayed frame: 0.244947396 seconds]

[Time since reference or first frame: 36.907172147 seconds]

Frame Number: 124

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x93ef (37871)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0f2b [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 12.828637452 seconds]

[Time since previous frame: 0.244947396 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (19292) (0x4b5c, 19.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001300) (11.0001300 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (311) (3.11 m/s, 11.20 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-3) (-0.3 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
125	37.000351817	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 125: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:49.482102449 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423229.482102449 seconds

[Time delta from previous captured frame: 0.093179670 seconds]

[Time delta from previous displayed frame: 0.093179670 seconds]

[Time since reference or first frame: 37.000351817 seconds]

Frame Number: 125

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6d97 (28055)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3540 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x4e34 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 37.000351817 seconds]

[Time since previous frame: 1.000306115 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam


```
generationDeltaTime: Unknown (11415) (0x2c97, 11.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870970) (48.7870970 deg)
      longitude: Unknown (92110510) (9.2110510 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (400) (4.00 m)
        semiMinorConfidence: Unknown (400) (4.00 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30650) (306.50 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-6) (-0.6 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-14) (-0.0000014 deg)
                deltaLongitude: Unknown (-62) (-0.0000062 deg)
                deltaAltitude: Unknown (-40) (-0.40 m)
                pathDeltaTime: Unknown (160) (1.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (50) (0.50 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-250) (-2.50 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
126	37.038980004	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 126: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:49.520730636 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423229.520730636 seconds

[Time delta from previous captured frame: 0.038628187 seconds]

[Time delta from previous displayed frame: 0.038628187 seconds]

[Time since reference or first frame: 37.038980004 seconds]

Frame Number: 126

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x940d (37901)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0f0d [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 12.960445309 seconds]

[Time since previous frame: 0.131807857 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (19492) (0x4c24, 19.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001220) (11.0001220 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (277) (2.77 m/s, 9.97 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
127	37.260897894	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 127: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:49.742648526 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423229.742648526 seconds

[Time delta from previous captured frame: 0.221917890 seconds]

[Time delta from previous displayed frame: 0.221917890 seconds]

[Time since reference or first frame: 37.260897894 seconds]

Frame Number: 127

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x9441 (37953)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0e11 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 13.182363199 seconds]

[Time since previous frame: 0.221917890 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (19692) (0x4cec, 19.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001150) (11.0001150 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (239) (2.39 m/s, 8.60 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
128	37.465884864	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 128: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:49.947635496 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423229.947635496 seconds

[Time delta from previous captured frame: 0.204986970 seconds]

[Time delta from previous displayed frame: 0.204986970 seconds]

[Time since reference or first frame: 37.465884864 seconds]

Frame Number: 128

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9467 (37991)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0eb3 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 13.387350169 seconds]

[Time since previous frame: 0.204986970 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (19892) (0x4db4, 19.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110001090) (11.0001090 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (214) (2.14 m/s, 7.70 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
129	37.863902840	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 129: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:50.345653472 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423230.345653472 seconds

[Time delta from previous captured frame: 0.398017976 seconds]

[Time delta from previous displayed frame: 0.398017976 seconds]

[Time since reference or first frame: 37.863902840 seconds]

Frame Number: 129

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x94c8 (38088)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0d8a [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 13.785368145 seconds]

[Time since previous frame: 0.398017976 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (20292) (0x4f44, 20.292 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000140) (49.0000140 deg)
      longitude: Unknown (110000990) (11.0000990 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (154) (1.54 m/s, 5.54 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
130	38.000185897	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 130: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:50.481936529 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423230.481936529 seconds

[Time delta from previous captured frame: 0.136283057 seconds]

[Time delta from previous displayed frame: 0.136283057 seconds]

[Time since reference or first frame: 38.000185897 seconds]

Frame Number: 130

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6daa (28074)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x352d [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x1fe6 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 38.000185897 seconds]

[Time since previous frame: 0.999834080 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (12415) (0x307f, 12.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870983) (48.7870983 deg)
      longitude: Unknown (92110529) (9.2110529 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (395) (3.95 m)
        semiMinorConfidence: Unknown (395) (3.95 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30670) (306.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (21) (0.21 m/s, 0.76 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (4) (0.4 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-25) (-0.0000025 deg)
                deltaLongitude: Unknown (-81) (-0.0000081 deg)
                deltaAltitude: Unknown (-60) (-0.60 m)
                pathDeltaTime: Unknown (260) (2.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (256) (0.0000256 deg)
                deltaLongitude: Unknown (139) (0.0000139 deg)
                deltaAltitude: Unknown (420) (4.20 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (-12) (-0.0000012 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-43) (-0.0000043 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
131	38.261832850	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 131: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:50.743583482 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423230.743583482 seconds

[Time delta from previous captured frame: 0.261646953 seconds]

[Time delta from previous displayed frame: 0.261646953 seconds]

[Time since reference or first frame: 38.261832850 seconds]

Frame Number: 131

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x94d8 (38104)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0e42 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 14.183298155 seconds]

[Time since previous frame: 0.397930010 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (20692) (0x50d4, 20.692 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000920) (11.0000920 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (116) (1.16 m/s, 4.18 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
132	38.562693273	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 132: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:51.044443905 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423231.044443905 seconds

[Time delta from previous captured frame: 0.300860423 seconds]

[Time delta from previous displayed frame: 0.300860423 seconds]

[Time since reference or first frame: 38.562693273 seconds]

Frame Number: 132

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x9522 (38178)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0d30 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 14.484158578 seconds]

[Time since previous frame: 0.300860423 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (20992) (0x5200, 20.992 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000860) (11.0000860 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (177) (1.77 m/s, 6.37 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
133	38.868218548	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 133: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:51.349969180 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423231.349969180 seconds

[Time delta from previous captured frame: 0.305525275 seconds]

[Time delta from previous displayed frame: 0.305525275 seconds]

[Time since reference or first frame: 38.868218548 seconds]

Frame Number: 133

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9552 (38226)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0dc8 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 14.789683853 seconds]

[Time since previous frame: 0.305525275 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (21292) (0x532c, 21.292 sec)


```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000770) (11.0000770 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (240) (2.40 m/s, 8.64 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
134	39.000291176	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 134: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:51.482041808 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423231.482041808 seconds

[Time delta from previous captured frame: 0.132072628 seconds]

[Time delta from previous displayed frame: 0.132072628 seconds]

[Time since reference or first frame: 39.000291176 seconds]

Frame Number: 134

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6daf (28079)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3528 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x7c55 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 39.000291176 seconds]

[Time since previous frame: 1.000105279 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (13415) (0x3467, 13.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487870995) (48.7870995 deg)
      longitude: Unknown (92110548) (9.2110548 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (390) (3.90 m)
        semiMinorConfidence: Unknown (390) (3.90 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30670) (306.70 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-37) (-0.0000037 deg)
                deltaLongitude: Unknown (-100) (-0.0000100 deg)
                deltaAltitude: Unknown (-60) (-0.60 m)
                pathDeltaTime: Unknown (360) (3.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (256) (0.0000256 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (420) (4.20 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-12) (-0.0000012 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-250) (-2.50 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-43) (-0.0000043 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
135	39.171441271	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 135: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:51.653191903 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423231.653191903 seconds
[Time delta from previous captured frame: 0.171150095 seconds]
[Time delta from previous displayed frame: 0.171150095 seconds]
[Time since reference or first frame: 39.171441271 seconds]
Frame Number: 135
Frame Length: 323 bytes (2584 bits)
Capture Length: 323 bytes (2584 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 309
Identification: 0x9570 (38256)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x0ce2 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
User Datagram Protocol, Src Port: 55923, Dst Port: 4401
Source Port: 55923
Destination Port: 4401
Length: 289
Checksum: 0x9898 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
[Timestamps]
[Time since first frame: 15.092906576 seconds]
[Time since previous frame: 0.303222723 seconds]
Cohda Wireless proprietary (UDP-BTP DataReq)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 1
DstPort: 2001
DstInfo: 0
GNCommsProfile: 0x00
GNRepeatInterval: 0
GNSecureProfile: 0
GNSecureSSPLen: 0
GNSecureITSAID: 0x00000024
GNSecureSSPBits: <MISSING>
Length: 241
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1277901399 (0x4c2b3a57)
cam
generationDeltaTime: Unknown (21592) (0x5458, 21.592 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000650) (11.0000650 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (300) (3.00 m/s, 10.80 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
        curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```


No.	Time	Source	Destination	Protocol	Length	Info
136	39.470552687	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 136: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:51.952303319 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423231.952303319 seconds

[Time delta from previous captured frame: 0.299111416 seconds]

[Time delta from previous displayed frame: 0.299111416 seconds]

[Time since reference or first frame: 39.470552687 seconds]

Frame Number: 136

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x9596 (38294)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0d84 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 15.392017992 seconds]

[Time since previous frame: 0.299111416 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (21892) (0x5584, 21.892 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000510) (11.0000510 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (367) (3.67 m/s, 13.21 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
137	39.770039985	192.168.11.10	192.168.11.11	ITS	323	CAM(v2)

Frame 137: 323 bytes on wire (2584 bits), 323 bytes captured (2584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:52.251790617 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423232.251790617 seconds

[Time delta from previous captured frame: 0.299487298 seconds]

[Time delta from previous displayed frame: 0.299487298 seconds]

[Time since reference or first frame: 39.770039985 seconds]

Frame Number: 137

Frame Length: 323 bytes (2584 bits)

Capture Length: 323 bytes (2584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 309

Identification: 0x95cc (38348)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0c86 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 289

Checksum: 0x9898 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 15.691505290 seconds]

[Time since previous frame: 0.299487298 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 241

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (22192) (0x56b0, 22.192 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000340) (11.0000340 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (432) (4.32 m/s, 15.55 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
    basicVehicleContainerLowFrequency
      vehicleRole: default (0)
      exteriorLights: 08 [bit length 8, 0000 1000 decimal value 8]
        0... .... lowBeamHeadlightsOn: False
        .0.. .... highBeamHeadlightsOn: False
        ..0. .... leftTurnSignalOn: False
        ...0 .... rightTurnSignalOn: False
        .... 1... daytimeRunningLightsOn: True
        .... .0.. reverseLightOn: False
        .... ..0. fogLightOn: False
        .... ...0 parkingLightsOn: False
      pathHistory: 23 items
        Item 0
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 1
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 2
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 3
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
              deltaLongitude: unavailable (131072)
              deltaAltitude: unavailable (12800)
            pathDeltaTime: Unknown (0)
        Item 4
          PathPoint
            pathPosition
              deltaLatitude: unavailable (131072)
```

```
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
        pathDeltaTime: Unknown (0)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 7
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 8
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 9
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 10
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 11
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 12
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 13
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 14
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 15
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 16
```

```
    PathPoint
      pathPosition
        deltaLatitude: unavailable (131072)
        deltaLongitude: unavailable (131072)
        deltaAltitude: unavailable (12800)
      pathDeltaTime: Unknown (0)
Item 17
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 18
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 19
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 20
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 21
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
Item 22
  PathPoint
    pathPosition
      deltaLatitude: unavailable (131072)
      deltaLongitude: unavailable (131072)
      deltaAltitude: unavailable (12800)
    pathDeltaTime: Unknown (0)
```

```

No.      Time      Source      Destination      Protocol Length Info
  138 40.001227915 192.168.11.11 192.168.11.10    ITS      190    CAM(v2)
Frame 138: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:52.482978547 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423232.482978547 seconds
    [Time delta from previous captured frame: 0.231187930 seconds]
    [Time delta from previous displayed frame: 0.231187930 seconds]
    [Time since reference or first frame: 40.001227915 seconds]
    Frame Number: 138
    Frame Length: 190 bytes (1520 bits)
    Capture Length: 190 bytes (1520 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... ..0. .... .. = LG bit: Globally unique address (factory default)
        .... ...0 .... .. = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... ..0. .... .. = LG bit: Globally unique address (factory default)
        .... ...0 .... .. = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 176
    Identification: 0x6dbc (28092)
    Flags: 0x4000, Don't fragment
      0... .... .. = Reserved bit: Not set
      .1.. .... .. = Don't fragment: Set
      ..0. .... .. = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x351b [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 156
    Checksum: 0xf806 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 40.001227915 seconds]
      [Time since previous frame: 1.000936739 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 100
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```

```
generationDeltaTime: Unknown (14415) (0x384f, 14.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871005) (48.7871005 deg)
      longitude: Unknown (92110566) (9.2110566 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (385) (3.85 m)
        semiMinorConfidence: Unknown (385) (3.85 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30680) (306.80 m)
        altitudeConfidence: alt-010-00 (9)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (14) (0.14 m/s, 0.50 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (4) (0.4 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-49) (-0.0000049 deg)
                deltaLongitude: Unknown (-117) (-0.0000117 deg)
                deltaAltitude: Unknown (-70) (-0.70 m)
                pathDeltaTime: Unknown (460) (4.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (18) (0.0000018 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (420) (4.20 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-250) (-2.50 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
139	40.031648676	192.168.11.10	192.168.11.11	ITS	123	CAM(v2)

Frame 139: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:52.513399308 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423232.513399308 seconds

[Time delta from previous captured frame: 0.030420761 seconds]

[Time delta from previous displayed frame: 0.030420761 seconds]

[Time since reference or first frame: 40.031648676 seconds]

Frame Number: 139

Frame Length: 123 bytes (984 bits)

Capture Length: 123 bytes (984 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 109

Identification: 0x95f2 (38386)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x0d28 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

User Datagram Protocol, Src Port: 55923, Dst Port: 4401

Source Port: 55923

Destination Port: 4401

Length: 89

Checksum: 0x97d0 [unverified]

[Checksum Status: Unverified]

[Stream index: 1]

[Timestamps]

[Time since first frame: 15.953113981 seconds]

[Time since previous frame: 0.261608691 seconds]

Cohda Wireless proprietary (UDP-BTP DataReq)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 1

DstPort: 2001

DstInfo: 0

GNCommsProfile: 0x00

GNRepeatInterval: 0

GNSecureProfile: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000024

GNSecureSSPBits: <MISSING>

Length: 41

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1277901399 (0x4c2b3a57)

cam

generationDeltaTime: Unknown (22492) (0x57dc, 22.492 sec)

```
camParameters
  basicContainer
    stationType: specialVehicles (10)
    referencePosition
      latitude: Unknown (490000420) (49.0000420 deg)
      longitude: Unknown (110000150) (11.0000150 deg)
      positionConfidenceEllipse
        semiMajorConfidence: unavailable (4095)
        semiMinorConfidence: unavailable (4095)
        semiMajorOrientation: unavailable (3601)
      altitude
        altitudeValue: unavailable (800001)
        altitudeConfidence: unavailable (15)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
    basicVehicleContainerHighFrequency
      heading
        headingValue: wgs84West (2700) (270.0 deg)
        headingConfidence: equalOrWithinOneDegree (10)
      speed
        speedValue: Unknown (478) (4.78 m/s, 17.21 km/h)
        speedConfidence: Unknown (3) (0.03 m/s)
      driveDirection: forward (0)
      vehicleLength
        vehicleLengthValue: Unknown (50) (5.0 m)
        vehicleLengthConfidenceIndication: noTrailerPresent (0)
      vehicleWidth: Unknown (18) (1.8 m)
      longitudinalAcceleration
        longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
        longitudinalAccelerationConfidence: unavailable (102)
      curvature
        curvatureValue: straight (0)
        curvatureConfidence: unavailable (7)
      curvatureCalculationMode: yawRateUsed (0)
      yawRate
        yawRateValue: straight (0) (0.00 deg/sec)
        yawRateConfidence: degSec-000-01 (0)
```

No.	Time	Source	Destination	Protocol	Length	Info
140	41.000238194	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 140: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:53.481988826 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423233.481988826 seconds

[Time delta from previous captured frame: 0.968589518 seconds]

[Time delta from previous displayed frame: 0.968589518 seconds]

[Time since reference or first frame: 41.000238194 seconds]

Frame Number: 140

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6e0d (28173)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x34ca [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0xa7b6 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 41.000238194 seconds]

[Time since previous frame: 0.999010279 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSSecureProfile: 0

GNSSecureParseResult: 0

GNSSecureVerifyResult: 0

GNSSecureSSPLen: 0

GNSSecureITSAID: 0x00000000

GNSSecureSSPBits: <MISSING>

GNSSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (15415) (0x3c37, 15.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871019) (48.7871019 deg)
      longitude: Unknown (92110588) (9.2110588 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (381) (3.81 m)
        semiMinorConfidence: Unknown (381) (3.81 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30700) (307.00 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (24) (0.24 m/s, 0.86 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-63) (-0.0000063 deg)
                deltaLongitude: Unknown (-140) (-0.0000140 deg)
                deltaAltitude: Unknown (-90) (-0.90 m)
                pathDeltaTime: Unknown (560) (5.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (74) (0.0000074 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (420) (4.20 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
141	42.000249467	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 141: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:54.482000099 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423234.482000099 seconds

[Time delta from previous captured frame: 1.000011273 seconds]

[Time delta from previous displayed frame: 1.000011273 seconds]

[Time since reference or first frame: 42.000249467 seconds]

Frame Number: 141

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6e2c (28204)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x34ab [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x7e1d [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 42.000249467 seconds]

[Time since previous frame: 1.000011273 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (16415) (0x401f, 16.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871027) (48.7871027 deg)
      longitude: Unknown (92110601) (9.2110601 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (378) (3.78 m)
        semiMinorConfidence: Unknown (378) (3.78 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30700) (307.00 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (10) (0.10 m/s, 0.36 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-70) (-0.0000070 deg)
                deltaLongitude: Unknown (-152) (-0.0000152 deg)
                deltaAltitude: Unknown (-90) (-0.90 m)
                pathDeltaTime: Unknown (660) (6.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (74) (0.0000074 deg)
                deltaLongitude: Unknown (18) (0.0000018 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (420) (4.20 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
142	43.000384315	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 142: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:55.482134947 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423235.482134947 seconds
[Time delta from previous captured frame: 1.000134848 seconds]
[Time delta from previous displayed frame: 1.000134848 seconds]
[Time since reference or first frame: 43.000384315 seconds]
Frame Number: 142
Frame Length: 190 bytes (1520 bits)
Capture Length: 190 bytes (1520 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 176
Identification: 0x6e80 (28288)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3457 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 156
Checksum: 0xf1ef [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 43.000384315 seconds]
[Time since previous frame: 1.000134848 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 100
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (17415) (0x4407, 17.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871027) (48.7871027 deg)
      longitude: Unknown (92110604) (9.2110604 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (376) (3.76 m)
        semiMinorConfidence: Unknown (376) (3.76 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30680) (306.80 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (13) (0.13 m/s, 0.47 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (5) (0.5 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-70) (-0.0000070 deg)
                deltaLongitude: Unknown (-155) (-0.0000155 deg)
                deltaAltitude: Unknown (-70) (-0.70 m)
                pathDeltaTime: Unknown (760) (7.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (74) (0.0000074 deg)
                deltaLongitude: Unknown (18) (0.0000018 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (420) (4.20 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-250) (-2.50 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-170) (-1.70 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
143	44.000107266	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 143: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:53:56.481857898 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423236.481857898 seconds

[Time delta from previous captured frame: 0.999722951 seconds]

[Time delta from previous displayed frame: 0.999722951 seconds]

[Time since reference or first frame: 44.000107266 seconds]

Frame Number: 143

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6ed2 (28370)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3405 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x1fd6 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 44.000107266 seconds]

[Time since previous frame: 0.999722951 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (18415) (0x47ef, 18.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871027) (48.7871027 deg)
      longitude: Unknown (92110602) (9.2110602 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (372) (3.72 m)
        semiMinorConfidence: Unknown (372) (3.72 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30660) (306.60 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (7) (0.07 m/s, 0.25 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-10) (-1.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-70) (-0.0000070 deg)
                deltaLongitude: Unknown (-154) (-0.0000154 deg)
                deltaAltitude: Unknown (-50) (-0.50 m)
                pathDeltaTime: Unknown (860) (8.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (74) (0.0000074 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (50) (0.50 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (139) (0.0000139 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
144	45.000098975	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 144: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:53:57.481849607 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423237.481849607 seconds
[Time delta from previous captured frame: 0.999991709 seconds]
[Time delta from previous displayed frame: 0.999991709 seconds]
[Time since reference or first frame: 45.000098975 seconds]
Frame Number: 144
Frame Length: 190 bytes (1520 bits)
Capture Length: 190 bytes (1520 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... ..0. = LG bit: Globally unique address (factory default)
.... ..0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 176
Identification: 0x6ef2 (28402)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x33e5 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 156
Checksum: 0x13bf [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 45.000098975 seconds]
[Time since previous frame: 0.999991709 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 100
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam


```
generationDeltaTime: Unknown (19415) (0x4bd7, 19.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871026) (48.7871026 deg)
      longitude: Unknown (92110598) (9.2110598 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (370) (3.70 m)
        semiMinorConfidence: Unknown (370) (3.70 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30630) (306.30 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (4) (0.4 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-69) (-0.0000069 deg)
                deltaLongitude: Unknown (-149) (-0.0000149 deg)
                deltaAltitude: Unknown (-20) (-0.20 m)
                pathDeltaTime: Unknown (960) (9.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (74) (0.0000074 deg)
                deltaLongitude: Unknown (18) (0.0000018 deg)
                deltaAltitude: Unknown (50) (0.50 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (255) (0.0000255 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-250) (-2.50 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time          Source          Destination      Protocol Length Info
 145 46.000232962    192.168.11.11    192.168.11.10    ITS      190    CAM(v2)
Frame 145: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:58.481983594 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423238.481983594 seconds
    [Time delta from previous captured frame: 1.000133987 seconds]
    [Time delta from previous displayed frame: 1.000133987 seconds]
    [Time since reference or first frame: 46.000232962 seconds]
    Frame Number: 145
    Frame Length: 190 bytes (1520 bits)
    Capture Length: 190 bytes (1520 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 176
    Identification: 0x6f34 (28468)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x33a3 [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 156
    Checksum: 0x97c3 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 46.000232962 seconds]
      [Time since previous frame: 1.000133987 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 100
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```

```
generationDeltaTime: Unknown (20415) (0x4fbf, 20.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871031) (48.7871031 deg)
      longitude: Unknown (92110597) (9.2110597 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (368) (3.68 m)
        semiMinorConfidence: Unknown (368) (3.68 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30620) (306.20 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (11) (0.11 m/s, 0.40 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredBackward (-1) (-0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-75) (-0.0000075 deg)
                deltaLongitude: Unknown (-149) (-0.0000149 deg)
                deltaAltitude: Unknown (-10) (-0.10 m)
                pathDeltaTime: Unknown (1060) (10.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (50) (0.50 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
  146 47.000254319 192.168.11.11 192.168.11.10    ITS      190    CAM(v2)
Frame 146: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:53:59.482004951 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423239.482004951 seconds
    [Time delta from previous captured frame: 1.000021357 seconds]
    [Time delta from previous displayed frame: 1.000021357 seconds]
    [Time since reference or first frame: 47.000254319 seconds]
    Frame Number: 146
    Frame Length: 190 bytes (1520 bits)
    Capture Length: 190 bytes (1520 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
  Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
        .... ..0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
  Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 176
    Identification: 0x6f96 (28566)
    Flags: 0x4000, Don't fragment
      0... .... = Reserved bit: Not set
      .1.. .... = Don't fragment: Set
      ..0. .... = More fragments: Not set
      ...0 0000 0000 0000 = Fragment offset: 0
    Time to live: 64
    Protocol: UDP (17)
    Header checksum: 0x3341 [validation disabled]
    [Header checksum status: Unverified]
    Source: 192.168.11.11
    Destination: 192.168.11.10
  User Datagram Protocol, Src Port: 48343, Dst Port: 4400
    Source Port: 48343
    Destination Port: 4400
    Length: 156
    Checksum: 0x3329 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
      [Time since first frame: 47.000254319 seconds]
      [Time since previous frame: 1.000021357 seconds]
  Cohda Wireless proprietary (UDP-BTP DataInd)
    BTPType: BTP-B (2)
    PktTransport: SHB (7)
    TrafficClass: 0x02
    MaxPktLifetime: 0
    DstPort: 2001
    DstInfo: 0
    GNSecureProfile: 0
    GNSecureParseResult: 0
    GNSecureVerifyResult: 0
    GNSecureSSPLen: 0
    GNSecureITSAID: 0x00000000
    GNSecureSSPBits: <MISSING>
    GNSecureCertId8: 0000000000000000
    Length: 100
  ETSI ITS (CAM)
    CAM
      header
        protocolVersion: 2
        messageID: cam (2)
        stationID: 1210064174 (0x48201d2e)
      cam

```

```
generationDeltaTime: Unknown (21415) (0x53a7, 21.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871034) (48.7871034 deg)
      longitude: Unknown (92110600) (9.2110600 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (367) (3.67 m)
        semiMinorConfidence: Unknown (367) (3.67 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30600) (306.00 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (20) (0.20 m/s, 0.72 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-77) (-0.0000077 deg)
                deltaLongitude: Unknown (-152) (-0.0000152 deg)
                deltaAltitude: Unknown (0) (0.00 m)
                pathDeltaTime: Unknown (1160) (11.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
147	48.001165263	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 147: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:00.482915895 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423240.482915895 seconds

[Time delta from previous captured frame: 1.000910944 seconds]

[Time delta from previous displayed frame: 1.000910944 seconds]

[Time since reference or first frame: 48.001165263 seconds]

Frame Number: 147

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6fa6 (28582)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3331 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0xe928 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 48.001165263 seconds]

[Time since previous frame: 1.000910944 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (22415) (0x578f, 22.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871034) (48.7871034 deg)
      longitude: Unknown (92110585) (9.2110585 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (364) (3.64 m)
        semiMinorConfidence: Unknown (364) (3.64 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30560) (305.60 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (13) (0.13 m/s, 0.47 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-77) (-0.0000077 deg)
                deltaLongitude: Unknown (-137) (-0.0000137 deg)
                deltaAltitude: Unknown (30) (0.30 m)
                pathDeltaTime: Unknown (1260) (12.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (70) (0.70 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-250) (-2.50 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 148 48.001242404 192.168.11.10 192.168.11.11    ICMP      218      Destination unreachable (Port unreachable)
Frame 148: 218 bytes on wire (1744 bits), 218 bytes captured (1744 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:54:00.482993036 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423240.482993036 seconds
    [Time delta from previous captured frame: 0.000077141 seconds]
    [Time delta from previous displayed frame: 0.000077141 seconds]
    [Time since reference or first frame: 48.001242404 seconds]
    Frame Number: 148
    Frame Length: 218 bytes (1744 bits)
    Capture Length: 218 bytes (1744 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
    [Coloring Rule Name: ICMP errors]
    [Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
  Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      ....0. .... = LG bit: Globally unique address (factory default)
      ....0. .... = IG bit: Individual address (unicast)
  Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      ....0. .... = LG bit: Globally unique address (factory default)
      ....0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
  0100 .... = Version: 4
  ....0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
    1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
    ....000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 204
  Identification: 0xd1e0 (53728)
  Flags: 0x0000
    0... .... = Reserved bit: Not set
    .0.. .... = Don't fragment: Not set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: ICMP (1)
  Header checksum: 0x102b [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.10
  Destination: 192.168.11.11
Internet Control Message Protocol
  Type: 3 (Destination unreachable)
  Code: 3 (Port unreachable)
  Checksum: 0x9510 [correct]
  [Checksum Status: Good]
  Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
  0100 .... = Version: 4
  ....0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    ....000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 176
  Identification: 0x6fa6 (28582)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x3331 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.11
  Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
  Source Port: 48343
  Destination Port: 4400
  Length: 156
  Checksum: 0xe928 [unverified]
  [Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 100
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (22415) (0x578f, 22.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871034) (48.7871034 deg)
            longitude: Unknown (92110585) (9.2110585 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (364) (3.64 m)
              semiMinorConfidence: Unknown (364) (3.64 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30560) (305.60 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (13) (0.13 m/s, 0.47 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 6 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-77) (-0.0000077 deg)
      deltaLongitude: Unknown (-137) (-0.0000137 deg)
      deltaAltitude: Unknown (30) (0.30 m)
    pathDeltaTime: Unknown (1260) (12.60 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (75) (0.0000075 deg)
      deltaLongitude: Unknown (17) (0.0000017 deg)
      deltaAltitude: Unknown (70) (0.70 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.0000254 deg)
      deltaLongitude: Unknown (140) (0.0000140 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-250) (-2.50 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
149	49.000194460	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 149: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:54:01.481945092 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423241.481945092 seconds
[Time delta from previous captured frame: 0.998952056 seconds]
[Time delta from previous displayed frame: 0.998952056 seconds]
[Time since reference or first frame: 49.000194460 seconds]
Frame Number: 149
Frame Length: 190 bytes (1520 bits)
Capture Length: 190 bytes (1520 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 176
Identification: 0x6ff1 (28657)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
..1. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x32e6 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 156
Checksum: 0x4993 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 49.000194460 seconds]
[Time since previous frame: 0.999029197 seconds]
Cohda Wireless proprietary (UDP-BTP DataInd)
BTPTType: BTP-B (2)
PktTransport: SHB (7)
TrafficClass: 0x02
MaxPktLifetime: 0
DstPort: 2001
DstInfo: 0
GNSSecureProfile: 0
GNSSecureParseResult: 0
GNSSecureVerifyResult: 0
GNSSecureSSPLen: 0
GNSSecureITSAID: 0x00000000
GNSSecureSSPBits: <MISSING>
GNSSecureCertId8: 0000000000000000
Length: 100
ETSI ITS (CAM)
CAM
header
protocolVersion: 2
messageID: cam (2)
stationID: 1210064174 (0x48201d2e)
cam

```
generationDeltaTime: Unknown (23415) (0x5b77, 23.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871038) (48.7871038 deg)
      longitude: Unknown (92110565) (9.2110565 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (361) (3.61 m)
        semiMinorConfidence: Unknown (361) (3.61 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30540) (305.40 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (18) (0.18 m/s, 0.65 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-81) (-0.0000081 deg)
                deltaLongitude: Unknown (-117) (-0.0000117 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (1360) (13.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 150 49.000249814 192.168.11.10 192.168.11.11    ICMP      218      Destination unreachable (Port unreachable)
Frame 150: 218 bytes on wire (1744 bits), 218 bytes captured (1744 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:54:01.482000446 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423241.482000446 seconds
[Time delta from previous captured frame: 0.000055354 seconds]
[Time delta from previous displayed frame: 0.000055354 seconds]
[Time since reference or first frame: 49.000249814 seconds]
Frame Number: 150
Frame Length: 218 bytes (1744 bits)
Capture Length: 218 bytes (1744 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 204
Identification: 0xd20b (53771)
Flags: 0x0000
0... .... = Reserved bit: Not set
.0.. .... = Don't fragment: Not set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x1000 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x9510 [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 176
Identification: 0x6ff1 (28657)
Flags: 0x4000, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x32e6 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 156
Checksum: 0x4993 [unverified]
[Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 100
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (23415) (0x5b77, 23.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871038) (48.7871038 deg)
            longitude: Unknown (92110565) (9.2110565 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (361) (3.61 m)
              semiMinorConfidence: Unknown (361) (3.61 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30540) (305.40 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (18) (0.18 m/s, 0.65 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 6 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-81) (-0.0000081 deg)
      deltaLongitude: Unknown (-117) (-0.0000117 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (1360) (13.60 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (75) (0.0000075 deg)
      deltaLongitude: Unknown (17) (0.0000017 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.0000254 deg)
      deltaLongitude: Unknown (140) (0.0000140 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
151	49.999929984	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 151: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:02.481680616 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423242.481680616 seconds

[Time delta from previous captured frame: 0.999680170 seconds]

[Time delta from previous displayed frame: 0.999680170 seconds]

[Time since reference or first frame: 49.999929984 seconds]

Frame Number: 151

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x6ffe (28670)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x32d9 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x263c [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 49.999929984 seconds]

[Time since previous frame: 0.999735524 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (24415) (0x5f5f, 24.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871038) (48.7871038 deg)
      longitude: Unknown (92110545) (9.2110545 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (358) (3.58 m)
        semiMinorConfidence: Unknown (358) (3.58 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30500) (305.00 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (21) (0.21 m/s, 0.76 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-81) (-0.0000081 deg)
                deltaLongitude: Unknown (-97) (-0.0000097 deg)
                deltaAltitude: Unknown (100) (1.00 m)
                pathDeltaTime: Unknown (1460) (14.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (140) (0.0000140 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-350) (-0.0000350 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 152 49.999973353 192.168.11.10 192.168.11.11    ICMP      218      Destination unreachable (Port unreachable)
Frame 152: 218 bytes on wire (1744 bits), 218 bytes captured (1744 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:54:02.481723985 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423242.481723985 seconds
    [Time delta from previous captured frame: 0.000043369 seconds]
    [Time delta from previous displayed frame: 0.000043369 seconds]
    [Time since reference or first frame: 49.999973353 seconds]
    Frame Number: 152
    Frame Length: 218 bytes (1744 bits)
    Capture Length: 218 bytes (1744 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
    [Coloring Rule Name: ICMP errors]
    [Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
  Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      ....0. .... = LG bit: Globally unique address (factory default)
      ....0. .... = IG bit: Individual address (unicast)
  Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      ....0. .... = LG bit: Globally unique address (factory default)
      ....0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
  0100 .... = Version: 4
  ....0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
    1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
    ....0000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 204
  Identification: 0xd217 (53783)
  Flags: 0x0000
    0... .... = Reserved bit: Not set
    .0.. .... = Don't fragment: Not set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: ICMP (1)
  Header checksum: 0x0ff4 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.10
  Destination: 192.168.11.11
Internet Control Message Protocol
  Type: 3 (Destination unreachable)
  Code: 3 (Port unreachable)
  Checksum: 0x9510 [correct]
  [Checksum Status: Good]
  Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
  0100 .... = Version: 4
  ....0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    ....0000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 176
  Identification: 0x6ffe (28670)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x32d9 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.11
  Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
  Source Port: 48343
  Destination Port: 4400
  Length: 156
  Checksum: 0x263c [unverified]
  [Checksum Status: Unverified]

```



```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 100
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (24415) (0x5f5f, 24.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871038) (48.7871038 deg)
            longitude: Unknown (92110545) (9.2110545 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (358) (3.58 m)
              semiMinorConfidence: Unknown (358) (3.58 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30500) (305.00 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (21) (0.21 m/s, 0.76 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 6 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-81) (-0.0000081 deg)
      deltaLongitude: Unknown (-97) (-0.0000097 deg)
      deltaAltitude: Unknown (100) (1.00 m)
    pathDeltaTime: Unknown (1460) (14.60 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (75) (0.0000075 deg)
      deltaLongitude: Unknown (17) (0.0000017 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.0000254 deg)
      deltaLongitude: Unknown (140) (0.0000140 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
153	51.000303488	192.168.11.11	192.168.11.10	ITS	190	CAM(v2)

Frame 153: 190 bytes on wire (1520 bits), 190 bytes captured (1520 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:03.482054120 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423243.482054120 seconds

[Time delta from previous captured frame: 1.000330135 seconds]

[Time delta from previous displayed frame: 1.000330135 seconds]

[Time since reference or first frame: 51.000303488 seconds]

Frame Number: 153

Frame Length: 190 bytes (1520 bits)

Capture Length: 190 bytes (1520 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 176

Identification: 0x7024 (28708)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x32b3 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 156

Checksum: 0x4de8 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 51.000303488 seconds]

[Time since previous frame: 1.000373504 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 100

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (25415) (0x6347, 25.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871035) (48.7871035 deg)
      longitude: Unknown (92110528) (9.2110528 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (356) (3.56 m)
        semiMinorConfidence: Unknown (356) (3.56 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30460) (304.60 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-5) (-0.5 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 6 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-78) (-0.0000078 deg)
                deltaLongitude: Unknown (-79) (-0.0000079 deg)
                deltaAltitude: Unknown (140) (1.40 m)
                pathDeltaTime: Unknown (1560) (15.60 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (18) (0.0000018 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (254) (0.0000254 deg)
                deltaLongitude: Unknown (141) (0.0000141 deg)
                deltaAltitude: Unknown (430) (4.30 m)
                pathDeltaTime: Unknown (920) (9.20 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (-13) (-0.0000013 deg)
        deltaLongitude: Unknown (-349) (-0.0000349 deg)
        deltaAltitude: Unknown (-240) (-2.40 m)
      pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 154 51.000349544 192.168.11.10 192.168.11.11    ICMP      218      Destination unreachable (Port unreachable)
Frame 154: 218 bytes on wire (1744 bits), 218 bytes captured (1744 bits) on interface 0
  Interface id: 0 (enx00e04c6801dc)
    Interface name: enx00e04c6801dc
    Encapsulation type: Ethernet (1)
    Arrival Time: Jan  5, 2022 23:54:03.482100176 W. Europe Standard Time
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1641423243.482100176 seconds
    [Time delta from previous captured frame: 0.000046056 seconds]
    [Time delta from previous displayed frame: 0.000046056 seconds]
    [Time since reference or first frame: 51.000349544 seconds]
    Frame Number: 154
    Frame Length: 218 bytes (1744 bits)
    Capture Length: 218 bytes (1744 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
    [Coloring Rule Name: ICMP errors]
    [Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
  Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
    Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
      .... 0. .... = LG bit: Globally unique address (factory default)
      .... 0. .... = IG bit: Individual address (unicast)
  Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
    Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
      .... 0. .... = LG bit: Globally unique address (factory default)
      .... 0. .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
    1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 204
  Identification: 0xd2b7 (53943)
  Flags: 0x0000
    0... .... = Reserved bit: Not set
    .0.. .... = Don't fragment: Not set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: ICMP (1)
  Header checksum: 0x0f54 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.10
  Destination: 192.168.11.11
Internet Control Message Protocol
  Type: 3 (Destination unreachable)
  Code: 3 (Port unreachable)
  Checksum: 0x9510 [correct]
  [Checksum Status: Good]
  Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 176
  Identification: 0x7024 (28708)
  Flags: 0x4000, Don't fragment
    0... .... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x32b3 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.11.11
  Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
  Source Port: 48343
  Destination Port: 4400
  Length: 156
  Checksum: 0x4de8 [unverified]
  [Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 100
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (25415) (0x6347, 25.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871035) (48.7871035 deg)
            longitude: Unknown (92110528) (9.2110528 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (356) (3.56 m)
              semiMinorConfidence: Unknown (356) (3.56 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30460) (304.60 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-5) (-0.5 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 6 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-78) (-0.0000078 deg)
      deltaLongitude: Unknown (-79) (-0.0000079 deg)
      deltaAltitude: Unknown (140) (1.40 m)
    pathDeltaTime: Unknown (1560) (15.60 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (75) (0.0000075 deg)
      deltaLongitude: Unknown (18) (0.0000018 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.0000254 deg)
      deltaLongitude: Unknown (141) (0.0000141 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-349) (-0.0000349 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: oneMicrodegreeWest (-10) (-0.0000010 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
155	52.000168727	192.168.11.11	192.168.11.10	ITS	198	CAM(v2)

Frame 155: 198 bytes on wire (1584 bits), 198 bytes captured (1584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:04.481919359 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423244.481919359 seconds

[Time delta from previous captured frame: 0.999819183 seconds]

[Time delta from previous displayed frame: 0.999819183 seconds]

[Time since reference or first frame: 52.000168727 seconds]

Frame Number: 155

Frame Length: 198 bytes (1584 bits)

Capture Length: 198 bytes (1584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x7042 (28738)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x328d [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0x350e [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 52.000168727 seconds]

[Time since previous frame: 0.999865239 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 108

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (26415) (0x672f, 26.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871033) (48.7871033 deg)
      longitude: Unknown (92110515) (9.2110515 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (353) (3.53 m)
        semiMinorConfidence: Unknown (353) (3.53 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30420) (304.20 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 7 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (0) (0.0000000 deg)
                deltaLongitude: Unknown (9) (0.0000009 deg)
                deltaAltitude: Unknown (20) (0.20 m)
                pathDeltaTime: Unknown (80) (0.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-76) (-0.0000076 deg)
                deltaLongitude: Unknown (-76) (-0.0000076 deg)
                deltaAltitude: Unknown (160) (1.60 m)
                pathDeltaTime: Unknown (1580) (15.80 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (75) (0.0000075 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (254) (0.0000254 deg)
        deltaLongitude: Unknown (140) (0.0000140 deg)
        deltaAltitude: Unknown (430) (4.30 m)
      pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.0000046 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 156 52.000215947 192.168.11.10 192.168.11.11    ICMP      226      Destination unreachable (Port unreachable)
Frame 156: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan  5, 2022 23:54:04.481966579 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423244.481966579 seconds
[Time delta from previous captured frame: 0.000047220 seconds]
[Time delta from previous displayed frame: 0.000047220 seconds]
[Time since reference or first frame: 52.000215947 seconds]
Frame Number: 156
Frame Length: 226 bytes (1808 bits)
Capture Length: 226 bytes (1808 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohdawir:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Destination: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Address: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 212
Identification: 0xd351 (54097)
Flags: 0x0000
0... .... = Reserved bit: Not set
.0.. .... = Don't fragment: Not set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x0eb2 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x9518 [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 184
Identification: 0x7042 (28738)
Flags: 0x4000, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x328d [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 164
Checksum: 0x350e [unverified]
[Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 108
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (26415) (0x672f, 26.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871033) (48.7871033 deg)
            longitude: Unknown (92110515) (9.2110515 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (353) (3.53 m)
              semiMinorConfidence: Unknown (353) (3.53 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30420) (304.20 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (15) (0.15 m/s, 0.54 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: noAcceleration (0) (0.0 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 7 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (0) (0.000000 deg)
      deltaLongitude: Unknown (9) (0.000009 deg)
      deltaAltitude: Unknown (20) (0.20 m)
    pathDeltaTime: Unknown (80) (0.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-76) (-0.000076 deg)
      deltaLongitude: Unknown (-76) (-0.000076 deg)
      deltaAltitude: Unknown (160) (1.60 m)
    pathDeltaTime: Unknown (1580) (15.80 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (75) (0.000075 deg)
      deltaLongitude: Unknown (17) (0.000017 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.000254 deg)
      deltaLongitude: Unknown (140) (0.000140 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.000013 deg)
      deltaLongitude: Unknown (-350) (-0.000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.000044 deg)
      deltaLongitude: Unknown (204) (0.000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-46) (-0.000046 deg)
      deltaLongitude: Unknown (-11) (-0.000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
157	53.000150434	192.168.11.11	192.168.11.10	ITS	198	CAM(v2)

Frame 157: 198 bytes on wire (1584 bits), 198 bytes captured (1584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:05.481901066 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423245.481901066 seconds

[Time delta from previous captured frame: 0.999934487 seconds]

[Time delta from previous displayed frame: 0.999934487 seconds]

[Time since reference or first frame: 53.000150434 seconds]

Frame Number: 157

Frame Length: 198 bytes (1584 bits)

Capture Length: 198 bytes (1584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x705f (28767)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3270 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0x0b5d [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 53.000150434 seconds]

[Time since previous frame: 0.999981707 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 108

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (27415) (0x6b17, 27.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871043) (48.7871043 deg)
      longitude: Unknown (92110488) (9.2110488 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (351) (3.51 m)
        semiMinorConfidence: Unknown (351) (3.51 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30390) (303.90 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (25) (0.25 m/s, 0.90 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (6) (0.6 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 7 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: oneMicrodegreeSouth (-10) (-0.0000010 deg)
                deltaLongitude: Unknown (36) (0.0000036 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (180) (1.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-77) (-0.0000077 deg)
                deltaLongitude: Unknown (-76) (-0.0000076 deg)
                deltaAltitude: Unknown (150) (1.50 m)
                pathDeltaTime: Unknown (1580) (15.80 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (76) (0.0000076 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (253) (0.0000253 deg)
        deltaLongitude: Unknown (139) (0.0000139 deg)
        deltaAltitude: Unknown (430) (4.30 m)
      pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-349) (-0.0000349 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
158	53.000197835	192.168.11.10	192.168.11.11	ICMP	226	Destination unreachable (Port unreachable)

Frame 158: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:05.481948467 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423245.481948467 seconds

[Time delta from previous captured frame: 0.000047401 seconds]

[Time delta from previous displayed frame: 0.000047401 seconds]

[Time since reference or first frame: 53.000197835 seconds]

Frame Number: 158

Frame Length: 226 bytes (1808 bits)

Capture Length: 226 bytes (1808 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]

[Coloring Rule Name: ICMP errors]

[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]

Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)

1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 212

Identification: 0xd3df (54239)

Flags: 0x0000

0... = Reserved bit: Not set

.0.. = Don't fragment: Not set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: ICMP (1)

Header checksum: 0x0e24 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.10

Destination: 192.168.11.11

Internet Control Message Protocol

Type: 3 (Destination unreachable)

Code: 3 (Port unreachable)

Checksum: 0x9518 [correct]

[Checksum Status: Good]

Unused: 00000000

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x705f (28767)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3270 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0xb5d [unverified]

[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 108
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (27415) (0x6b17, 27.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871043) (48.7871043 deg)
            longitude: Unknown (92110488) (9.2110488 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (351) (3.51 m)
              semiMinorConfidence: Unknown (351) (3.51 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30390) (303.90 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (25) (0.25 m/s, 0.90 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (6) (0.6 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 7 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: oneMicrodegreeSouth (-10) (-0.0000010 deg)
      deltaLongitude: Unknown (36) (0.0000036 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (180) (1.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-77) (-0.0000077 deg)
      deltaLongitude: Unknown (-76) (-0.0000076 deg)
      deltaAltitude: Unknown (150) (1.50 m)
    pathDeltaTime: Unknown (1580) (15.80 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (76) (0.0000076 deg)
      deltaLongitude: Unknown (17) (0.0000017 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (253) (0.0000253 deg)
      deltaLongitude: Unknown (139) (0.0000139 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-349) (-0.0000349 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
159	54.000180677	192.168.11.11	192.168.11.10	ITS	198	CAM(v2)

Frame 159: 198 bytes on wire (1584 bits), 198 bytes captured (1584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:06.481931309 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423246.481931309 seconds

[Time delta from previous captured frame: 0.999982842 seconds]

[Time delta from previous displayed frame: 0.999982842 seconds]

[Time since reference or first frame: 54.000180677 seconds]

Frame Number: 159

Frame Length: 198 bytes (1584 bits)

Capture Length: 198 bytes (1584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x70a4 (28836)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x322b [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0xfcdd [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 54.000180677 seconds]

[Time since previous frame: 1.000030243 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 108

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (28415) (0x6eff, 28.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871044) (48.7871044 deg)
      longitude: Unknown (92110472) (9.2110472 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (349) (3.49 m)
        semiMinorConfidence: Unknown (349) (3.49 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30360) (303.60 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (7) (0.07 m/s, 0.25 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 7 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-9) (-0.0000009 deg)
                deltaLongitude: Unknown (52) (0.0000052 deg)
                deltaAltitude: Unknown (80) (0.80 m)
                pathDeltaTime: Unknown (280) (2.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-76) (-0.0000076 deg)
                deltaLongitude: Unknown (-76) (-0.0000076 deg)
                deltaAltitude: Unknown (160) (1.60 m)
                pathDeltaTime: Unknown (1580) (15.80 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (76) (0.0000076 deg)
                deltaLongitude: Unknown (17) (0.0000017 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (255) (0.0000255 deg)
        deltaLongitude: Unknown (140) (0.0000140 deg)
        deltaAltitude: Unknown (430) (4.30 m)
      pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-12) (-0.0000012 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-43) (-0.0000043 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 160 54.000236426 192.168.11.10 192.168.11.11    ICMP      226      Destination unreachable (Port unreachable)
Frame 160: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:54:06.481987058 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423246.481987058 seconds
[Time delta from previous captured frame: 0.000055749 seconds]
[Time delta from previous displayed frame: 0.000055749 seconds]
[Time since reference or first frame: 54.000236426 seconds]
Frame Number: 160
Frame Length: 226 bytes (1808 bits)
Capture Length: 226 bytes (1808 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohdawir:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Destination: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Address: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 212
Identification: 0xd425 (54309)
Flags: 0x0000
0... .... = Reserved bit: Not set
.0... .... = Don't fragment: Not set
..0... .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x0dde [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x9518 [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 184
Identification: 0x70a4 (28836)
Flags: 0x4000, Don't fragment
0... .... = Reserved bit: Not set
.1... .... = Don't fragment: Set
..0... .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x322b [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 164
Checksum: 0xfcdd [unverified]
[Checksum Status: Unverified]

```



```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSSecureProfile: 0
  GNSSecureParseResult: 0
  GNSSecureVerifyResult: 0
  GNSSecureSSPLen: 0
  GNSSecureITSID: 0x00000000
  GNSSecureSSPBits: <MISSING>
  GNSSecureCertId8: 0000000000000000
  Length: 108
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (28415) (0x6eff, 28.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871044) (48.7871044 deg)
            longitude: Unknown (92110472) (9.2110472 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (349) (3.49 m)
              semiMinorConfidence: Unknown (349) (3.49 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30360) (303.60 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (7) (0.07 m/s, 0.25 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: pointOneMeterPerSecSquaredForward (1) (0.1 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .. brakePedalEngaged: False
              .0.. .. gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .. lowBeamHeadlightsOn: False
              .0.. .. highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 7 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-9) (-0.0000009 deg)
      deltaLongitude: Unknown (52) (0.0000052 deg)
      deltaAltitude: Unknown (80) (0.80 m)
    pathDeltaTime: Unknown (280) (2.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-76) (-0.0000076 deg)
      deltaLongitude: Unknown (-76) (-0.0000076 deg)
      deltaAltitude: Unknown (160) (1.60 m)
    pathDeltaTime: Unknown (1580) (15.80 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (76) (0.0000076 deg)
      deltaLongitude: Unknown (17) (0.0000017 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (255) (0.0000255 deg)
      deltaLongitude: Unknown (140) (0.0000140 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-12) (-0.0000012 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-43) (-0.0000043 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
161	55.000351660	192.168.11.11	192.168.11.10	ITS	198	CAM(v2)

Frame 161: 198 bytes on wire (1584 bits), 198 bytes captured (1584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:07.482102292 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423247.482102292 seconds

[Time delta from previous captured frame: 1.000115234 seconds]

[Time delta from previous displayed frame: 1.000115234 seconds]

[Time since reference or first frame: 55.000351660 seconds]

Frame Number: 161

Frame Length: 198 bytes (1584 bits)

Capture Length: 198 bytes (1584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x70e3 (28899)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x31ec [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0x2bdd [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 55.000351660 seconds]

[Time since previous frame: 1.000170983 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 108

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (29415) (0x72e7, 29.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871048) (48.7871048 deg)
      longitude: Unknown (92110463) (9.2110463 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (347) (3.47 m)
        semiMinorConfidence: Unknown (347) (3.47 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30340) (303.40 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (10) (0.10 m/s, 0.36 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 7 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-15) (-0.0000015 deg)
                deltaLongitude: Unknown (61) (0.0000061 deg)
                deltaAltitude: Unknown (100) (1.00 m)
                pathDeltaTime: Unknown (380) (3.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-77) (-0.0000077 deg)
                deltaLongitude: Unknown (-76) (-0.0000076 deg)
                deltaAltitude: Unknown (150) (1.50 m)
                pathDeltaTime: Unknown (1580) (15.80 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (76) (0.0000076 deg)
                deltaLongitude: Unknown (16) (0.0000016 deg)
                deltaAltitude: Unknown (70) (0.70 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (254) (0.0000254 deg)
        deltaLongitude: Unknown (141) (0.0000141 deg)
        deltaAltitude: Unknown (430) (4.30 m)
      pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-250) (-2.50 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time      Source      Destination      Protocol Length Info
 162 55.000394579 192.168.11.10 192.168.11.11    ICMP      226      Destination unreachable (Port unreachable)
Frame 162: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:54:07.482145211 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423247.482145211 seconds
[Time delta from previous captured frame: 0.000042919 seconds]
[Time delta from previous displayed frame: 0.000042919 seconds]
[Time since reference or first frame: 55.000394579 seconds]
Frame Number: 162
Frame Length: 226 bytes (1808 bits)
Capture Length: 226 bytes (1808 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohdawir:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Destination: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Address: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. .... = LG bit: Globally unique address (factory default)
.... 0. .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 212
Identification: 0xd4c6 (54470)
Flags: 0x0000
0... .... = Reserved bit: Not set
.0.. .... = Don't fragment: Not set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x0d3d [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x9518 [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 184
Identification: 0x70e3 (28899)
Flags: 0x4000, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x31ec [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 164
Checksum: 0x2bdd [unverified]
[Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 108
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (29415) (0x72e7, 29.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871048) (48.7871048 deg)
            longitude: Unknown (92110463) (9.2110463 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (347) (3.47 m)
              semiMinorConfidence: Unknown (347) (3.47 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30340) (303.40 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (10) (0.10 m/s, 0.36 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (2) (0.2 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 7 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-15) (-0.0000015 deg)
      deltaLongitude: Unknown (61) (0.0000061 deg)
      deltaAltitude: Unknown (100) (1.00 m)
    pathDeltaTime: Unknown (380) (3.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-77) (-0.0000077 deg)
      deltaLongitude: Unknown (-76) (-0.0000076 deg)
      deltaAltitude: Unknown (150) (1.50 m)
    pathDeltaTime: Unknown (1580) (15.80 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (76) (0.0000076 deg)
      deltaLongitude: Unknown (16) (0.0000016 deg)
      deltaAltitude: Unknown (70) (0.70 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.0000254 deg)
      deltaLongitude: Unknown (141) (0.0000141 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-250) (-2.50 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```


No.	Time	Source	Destination	Protocol	Length	Info
163	56.001174767	192.168.11.11	192.168.11.10	ITS	198	CAM(v2)

Frame 163: 198 bytes on wire (1584 bits), 198 bytes captured (1584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:08.482925399 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423248.482925399 seconds

[Time delta from previous captured frame: 1.000780188 seconds]

[Time delta from previous displayed frame: 1.000780188 seconds]

[Time since reference or first frame: 56.001174767 seconds]

Frame Number: 163

Frame Length: 198 bytes (1584 bits)

Capture Length: 198 bytes (1584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... 0. = LG bit: Globally unique address (factory default)

.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x712b (28971)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x31a4 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0xbad7 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 56.001174767 seconds]

[Time since previous frame: 1.000823107 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 108

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (30415) (0x76cf, 30.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871042) (48.7871042 deg)
      longitude: Unknown (92110467) (9.2110467 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (345) (3.45 m)
        semiMinorConfidence: Unknown (345) (3.45 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30320) (303.20 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (11) (0.11 m/s, 0.40 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 7 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-9) (-0.0000009 deg)
                deltaLongitude: Unknown (57) (0.0000057 deg)
                deltaAltitude: Unknown (130) (1.30 m)
                pathDeltaTime: Unknown (480) (4.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-77) (-0.0000077 deg)
                deltaLongitude: Unknown (-77) (-0.0000077 deg)
                deltaAltitude: Unknown (150) (1.50 m)
                pathDeltaTime: Unknown (1580) (15.80 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (76) (0.0000076 deg)
                deltaLongitude: Unknown (18) (0.0000018 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 3
            PathPoint
```

```
      pathPosition
        deltaLatitude: Unknown (254) (0.0000254 deg)
        deltaLongitude: Unknown (139) (0.0000139 deg)
        deltaAltitude: Unknown (430) (4.30 m)
      pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-14) (-0.0000014 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-12) (-0.0000012 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

```

No.      Time          Source          Destination      Protocol Length Info
 164 56.00122251    192.168.11.10    192.168.11.11    ICMP      226    Destination unreachable (Port unreachable)
Frame 164: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan  5, 2022 23:54:08.482972883 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423248.482972883 seconds
[Time delta from previous captured frame: 0.000047484 seconds]
[Time delta from previous displayed frame: 0.000047484 seconds]
[Time since reference or first frame: 56.00122251 seconds]
Frame Number: 164
Frame Length: 226 bytes (1808 bits)
Capture Length: 226 bytes (1808 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohdawir:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 ||
icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Destination: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
Address: Cohdawir_20:1d:48 (04:e5:48:20:1d:48)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0... = LG bit: Globally unique address (factory default)
.... 0... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 212
Identification: 0xd4f8 (54520)
Flags: 0x0000
0... .... = Reserved bit: Not set
.0.. .... = Don't fragment: Not set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x0d0b [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x9518 [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 184
Identification: 0x712b (28971)
Flags: 0x4000, Don't fragment
0... .... = Reserved bit: Not set
.1.. .... = Don't fragment: Set
..0. .... = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x31a4 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 164
Checksum: 0xbad7 [unverified]
[Checksum Status: Unverified]

```

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 108
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (30415) (0x76cf, 30.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871042) (48.7871042 deg)
            longitude: Unknown (92110467) (9.2110467 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (345) (3.45 m)
              semiMinorConfidence: Unknown (345) (3.45 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30320) (303.20 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (11) (0.11 m/s, 0.40 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (3) (0.3 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 7 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-9) (-0.0000009 deg)
      deltaLongitude: Unknown (57) (0.0000057 deg)
      deltaAltitude: Unknown (130) (1.30 m)
    pathDeltaTime: Unknown (480) (4.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-77) (-0.0000077 deg)
      deltaLongitude: Unknown (-77) (-0.0000077 deg)
      deltaAltitude: Unknown (150) (1.50 m)
    pathDeltaTime: Unknown (1580) (15.80 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (76) (0.0000076 deg)
      deltaLongitude: Unknown (18) (0.0000018 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (254) (0.0000254 deg)
      deltaLongitude: Unknown (139) (0.0000139 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-14) (-0.0000014 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (205) (0.0000205 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-12) (-0.0000012 deg)
      deltaAltitude: Unknown (-180) (-1.80 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
165	57.001289692	192.168.11.11	192.168.11.10	ITS	198	CAM(v2)

Frame 165: 198 bytes on wire (1584 bits), 198 bytes captured (1584 bits) on interface 0

Interface id: 0 (enx00e04c6801dc)

Interface name: enx00e04c6801dc

Encapsulation type: Ethernet (1)

Arrival Time: Jan 5, 2022 23:54:09.483040324 W. Europe Standard Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1641423249.483040324 seconds

[Time delta from previous captured frame: 1.000067441 seconds]

[Time delta from previous displayed frame: 1.000067441 seconds]

[Time since reference or first frame: 57.001289692 seconds]

Frame Number: 165

Frame Length: 198 bytes (1584 bits)

Capture Length: 198 bytes (1584 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:cohda:etsiits]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: CohdaWir_20:1d:48 (04:e5:48:20:1d:48), Dst: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Destination: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Source: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)

.... ..0. = LG bit: Globally unique address (factory default)

.... ..0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 184

Identification: 0x713a (28986)

Flags: 0x4000, Don't fragment

0... = Reserved bit: Not set

.1.. = Don't fragment: Set

..0. = More fragments: Not set

...0 0000 0000 0000 = Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0x3195 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.11.11

Destination: 192.168.11.10

User Datagram Protocol, Src Port: 48343, Dst Port: 4400

Source Port: 48343

Destination Port: 4400

Length: 164

Checksum: 0x84c1 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 57.001289692 seconds]

[Time since previous frame: 1.000114925 seconds]

Cohda Wireless proprietary (UDP-BTP DataInd)

BTPTType: BTP-B (2)

PktTransport: SHB (7)

TrafficClass: 0x02

MaxPktLifetime: 0

DstPort: 2001

DstInfo: 0

GNSecureProfile: 0

GNSecureParseResult: 0

GNSecureVerifyResult: 0

GNSecureSSPLen: 0

GNSecureITSAID: 0x00000000

GNSecureSSPBits: <MISSING>

GNSecureCertId8: 0000000000000000

Length: 108

ETSI ITS (CAM)

CAM

header

protocolVersion: 2

messageID: cam (2)

stationID: 1210064174 (0x48201d2e)

cam

```
generationDeltaTime: Unknown (31415) (0x7ab7, 31.415 sec)
camParameters
  basicContainer
    stationType: passengerCar (5)
    referencePosition
      latitude: Unknown (487871043) (48.7871043 deg)
      longitude: Unknown (92110460) (9.2110460 deg)
      positionConfidenceEllipse
        semiMajorConfidence: Unknown (343) (3.43 m)
        semiMinorConfidence: Unknown (343) (3.43 m)
        semiMajorOrientation: wgs84North (0) (0.0 deg)
      altitude
        altitudeValue: Unknown (30300) (303.00 m)
        altitudeConfidence: alt-005-00 (8)
    highFrequencyContainer: basicVehicleContainerHighFrequency (0)
      basicVehicleContainerHighFrequency
        heading
          headingValue: unavailable (3601)
          headingConfidence: unavailable (127)
        speed
          speedValue: Unknown (6) (0.06 m/s, 0.22 km/h)
          speedConfidence: unavailable (127)
        driveDirection: unavailable (2)
        vehicleLength
          vehicleLengthValue: Unknown (49) (4.9 m)
          vehicleLengthConfidenceIndication: unavailable (4)
        vehicleWidth: Unknown (18) (1.8 m)
        longitudinalAcceleration
          longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
          longitudinalAccelerationConfidence: unavailable (102)
        curvature
          curvatureValue: unavailable (1023)
          curvatureConfidence: unavailable (7)
        curvatureCalculationMode: unavailable (2)
        yawRate
          yawRateValue: unavailable (32767)
          yawRateConfidence: unavailable (8)
        accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
          0... .... brakePedalEngaged: False
          .0... .... gasPedalEngaged: False
          ..0. .... emergencyBrakeEngaged: False
          ...0 .... collisionWarningEngaged: False
          .... 0... accEngaged: False
          .... .0.. cruiseControlEngaged: False
          .... ..0. speedLimiterEngaged: False
    lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
      basicVehicleContainerLowFrequency
        vehicleRole: default (0)
        exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
          0... .... lowBeamHeadlightsOn: False
          .0... .... highBeamHeadlightsOn: False
          ..0. .... leftTurnSignalOn: False
          ...0 .... rightTurnSignalOn: False
          .... 0... daytimeRunningLightsOn: False
          .... .0.. reverseLightOn: False
          .... ..0. fogLightOn: False
          .... ...0 parkingLightsOn: False
        pathHistory: 7 items
          Item 0
            PathPoint
              pathPosition
                deltaLatitude: oneMicrodegreeSouth (-10) (-0.0000010 deg)
                deltaLongitude: Unknown (64) (0.0000064 deg)
                deltaAltitude: Unknown (140) (1.40 m)
                pathDeltaTime: Unknown (580) (5.80 sec)
          Item 1
            PathPoint
              pathPosition
                deltaLatitude: Unknown (-77) (-0.0000077 deg)
                deltaLongitude: Unknown (-76) (-0.0000076 deg)
                deltaAltitude: Unknown (160) (1.60 m)
                pathDeltaTime: Unknown (1580) (15.80 sec)
          Item 2
            PathPoint
              pathPosition
                deltaLatitude: Unknown (76) (0.0000076 deg)
                deltaLongitude: Unknown (16) (0.0000016 deg)
                deltaAltitude: Unknown (60) (0.60 m)
                pathDeltaTime: Unknown (600) (6.00 sec)
          Item 3
            PathPoint
```



```
      pathPosition
        deltaLatitude: Unknown (253) (0.0000253 deg)
        deltaLongitude: Unknown (141) (0.0000141 deg)
        deltaAltitude: Unknown (430) (4.30 m)
      pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```

No.	Time	Source	Destination	Protocol	Length	Info
166	57.001342514	192.168.11.10	192.168.11.11	ICMP	226	Destination unreachable (Port unreachable)

Frame 166: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface 0
Interface id: 0 (enx00e04c6801dc)
Interface name: enx00e04c6801dc
Encapsulation type: Ethernet (1)
Arrival Time: Jan 5, 2022 23:54:09.483093146 W. Europe Standard Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1641423249.483093146 seconds
[Time delta from previous captured frame: 0.000052822 seconds]
[Time delta from previous displayed frame: 0.000052822 seconds]
[Time since reference or first frame: 57.001342514 seconds]
Frame Number: 166
Frame Length: 226 bytes (1808 bits)
Capture Length: 226 bytes (1808 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:icmp:ip:udp:cohda:etsiits]
[Coloring Rule Name: ICMP errors]
[Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 11 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 3 || icmpv6.type eq 4]
Ethernet II, Src: RealtekS_68:01:dc (00:e0:4c:68:01:dc), Dst: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Destination: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
Address: CohdaWir_20:1d:48 (04:e5:48:20:1d:48)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Source: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
Address: RealtekS_68:01:dc (00:e0:4c:68:01:dc)
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.11.10, Dst: 192.168.11.11
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
1100 00.. = Differentiated Services Codepoint: Class Selector 6 (48)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 212
Identification: 0xd528 (54568)
Flags: 0x0000
0... = Reserved bit: Not set
.0.. = Don't fragment: Not set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: ICMP (1)
Header checksum: 0x0cdb [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.10
Destination: 192.168.11.11
Internet Control Message Protocol
Type: 3 (Destination unreachable)
Code: 3 (Port unreachable)
Checksum: 0x9518 [correct]
[Checksum Status: Good]
Unused: 00000000
Internet Protocol Version 4, Src: 192.168.11.11, Dst: 192.168.11.10
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 184
Identification: 0x713a (28986)
Flags: 0x4000, Don't fragment
0... = Reserved bit: Not set
.1.. = Don't fragment: Set
..0. = More fragments: Not set
...0 0000 0000 0000 = Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x3195 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.11.11
Destination: 192.168.11.10
User Datagram Protocol, Src Port: 48343, Dst Port: 4400
Source Port: 48343
Destination Port: 4400
Length: 164
Checksum: 0x84c1 [unverified]
[Checksum Status: Unverified]

```
[Stream index: 0]
Cohda Wireless proprietary (UDP-BTP DataInd)
  BTPType: BTP-B (2)
  PktTransport: SHB (7)
  TrafficClass: 0x02
  MaxPktLifetime: 0
  DstPort: 2001
  DstInfo: 0
  GNSecureProfile: 0
  GNSecureParseResult: 0
  GNSecureVerifyResult: 0
  GNSecureSSPLen: 0
  GNSecureITSID: 0x00000000
  GNSecureSSPBits: <MISSING>
  GNSecureCertId8: 0000000000000000
  Length: 108
ETSI ITS (CAM)
  CAM
    header
      protocolVersion: 2
      messageID: cam (2)
      stationID: 1210064174 (0x48201d2e)
    cam
      generationDeltaTime: Unknown (31415) (0x7ab7, 31.415 sec)
      camParameters
        basicContainer
          stationType: passengerCar (5)
          referencePosition
            latitude: Unknown (487871043) (48.7871043 deg)
            longitude: Unknown (92110460) (9.2110460 deg)
            positionConfidenceEllipse
              semiMajorConfidence: Unknown (343) (3.43 m)
              semiMinorConfidence: Unknown (343) (3.43 m)
              semiMajorOrientation: wgs84North (0) (0.0 deg)
            altitude
              altitudeValue: Unknown (30300) (303.00 m)
              altitudeConfidence: alt-005-00 (8)
          highFrequencyContainer: basicVehicleContainerHighFrequency (0)
          basicVehicleContainerHighFrequency
            heading
              headingValue: unavailable (3601)
              headingConfidence: unavailable (127)
            speed
              speedValue: Unknown (6) (0.06 m/s, 0.22 km/h)
              speedConfidence: unavailable (127)
            driveDirection: unavailable (2)
            vehicleLength
              vehicleLengthValue: Unknown (49) (4.9 m)
              vehicleLengthConfidenceIndication: unavailable (4)
            vehicleWidth: Unknown (18) (1.8 m)
            longitudinalAcceleration
              longitudinalAccelerationValue: Unknown (-2) (-0.2 m/s/s)
              longitudinalAccelerationConfidence: unavailable (102)
            curvature
              curvatureValue: unavailable (1023)
              curvatureConfidence: unavailable (7)
              curvatureCalculationMode: unavailable (2)
            yawRate
              yawRateValue: unavailable (32767)
              yawRateConfidence: unavailable (8)
            accelerationControl: 00 [bit length 7, 1 LSB pad bits, 0000 000. decimal value 0]
              0... .... brakePedalEngaged: False
              .0.. .... gasPedalEngaged: False
              ..0. .... emergencyBrakeEngaged: False
              ...0 .... collisionWarningEngaged: False
              .... 0... accEngaged: False
              .... .0.. cruiseControlEngaged: False
              .... ..0. speedLimiterEngaged: False
          lowFrequencyContainer: basicVehicleContainerLowFrequency (0)
          basicVehicleContainerLowFrequency
            vehicleRole: default (0)
            exteriorLights: 00 [bit length 8, 0000 0000 decimal value 0]
              0... .... lowBeamHeadlightsOn: False
              .0.. .... highBeamHeadlightsOn: False
              ..0. .... leftTurnSignalOn: False
              ...0 .... rightTurnSignalOn: False
              .... 0... daytimeRunningLightsOn: False
              .... .0.. reverseLightOn: False
              .... ..0. fogLightOn: False
              .... ...0 parkingLightsOn: False
            pathHistory: 7 items
```

```
Item 0
  PathPoint
    pathPosition
      deltaLatitude: oneMicrodegreeSouth (-10) (-0.0000010 deg)
      deltaLongitude: Unknown (64) (0.0000064 deg)
      deltaAltitude: Unknown (140) (1.40 m)
    pathDeltaTime: Unknown (580) (5.80 sec)
Item 1
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-77) (-0.0000077 deg)
      deltaLongitude: Unknown (-76) (-0.0000076 deg)
      deltaAltitude: Unknown (160) (1.60 m)
    pathDeltaTime: Unknown (1580) (15.80 sec)
Item 2
  PathPoint
    pathPosition
      deltaLatitude: Unknown (76) (0.0000076 deg)
      deltaLongitude: Unknown (16) (0.0000016 deg)
      deltaAltitude: Unknown (60) (0.60 m)
    pathDeltaTime: Unknown (600) (6.00 sec)
Item 3
  PathPoint
    pathPosition
      deltaLatitude: Unknown (253) (0.0000253 deg)
      deltaLongitude: Unknown (141) (0.0000141 deg)
      deltaAltitude: Unknown (430) (4.30 m)
    pathDeltaTime: Unknown (920) (9.20 sec)
Item 4
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-13) (-0.0000013 deg)
      deltaLongitude: Unknown (-350) (-0.0000350 deg)
      deltaAltitude: Unknown (-240) (-2.40 m)
    pathDeltaTime: Unknown (800) (8.00 sec)
Item 5
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-44) (-0.0000044 deg)
      deltaLongitude: Unknown (204) (0.0000204 deg)
      deltaAltitude: Unknown (0) (0.00 m)
    pathDeltaTime: Unknown (1300) (13.00 sec)
Item 6
  PathPoint
    pathPosition
      deltaLatitude: Unknown (-45) (-0.0000045 deg)
      deltaLongitude: Unknown (-11) (-0.0000011 deg)
      deltaAltitude: Unknown (-190) (-1.90 m)
    pathDeltaTime: Unknown (1320) (13.20 sec)
```