

368	1.777647	213.180.204.186	192.168.0.128	TLSv1.3	137 Application Data
369	1.777930	192.168.0.128	213.180.204.186	TCP	54 55077 → 443 [ACK] Seq=2092 Ack=5229 Win=261632 Len=0
370	1.778008	192.168.0.128	213.180.204.186	TLSv1.3	78 Application Data
371	1.778047	192.168.0.128	213.180.204.186	TCP	54 55077 → 443 [FIN, ACK] Seq=2116 Ack=5229 Win=261632 Len=0
372	1.821639	213.180.204.186	192.168.0.128	TLSv1.3	93 Application Data
373	1.821752	213.180.204.186	192.168.0.128	TLSv1.3	78 Application Data

- > Frame 369: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF\_{CD4422C0-E554-43BF-B9DE-08A7FF40E4E6}, id 0
- ▼ Ethernet II, Src: MicroStarINT\_13:93:c2 (04:7c:16:13:93:c2), Dst: DLinkInterna\_9d:df:79 (bc:22:28:9d:df:79)
  - > Destination: DLinkInterna\_9d:df:79 (bc:22:28:9d:df:79) **MAC адресс получателя**
  - > Source: MicroStarINT\_13:93:c2 (04:7c:16:13:93:c2) **MAC адресс отправителя**
  - Type: IPv4 (0x0800) **Длина полезной части и контрольная сумма не указаны?**
  - [Stream index: 0]
- > Internet Protocol Version 4, Src: 192.168.0.128, Dst: 213.180.204.186
- > Transmission Control Protocol, Src Port: 55077, Dst Port: 443, Seq: 2092, Ack: 5229, Len: 0

```

0000 bc 22
0010 00 28
0020 cc ba
0030 03 fe

```

368	1.777647	213.180.204.186	192.168.0.128	TLSv1.3	137 Application Data
369	1.777930	192.168.0.128	213.180.204.186	TCP	54 55077 → 443 [ACK] Seq=2092 Ack=5229 Win=261632 Len=0
370	1.778008	192.168.0.128	213.180.204.186	TLSv1.3	78 Application Data
371	1.778047	192.168.0.128	213.180.204.186	TCP	54 55077 → 443 [FIN, ACK] Seq=2116 Ack=5229 Win=261632 Len=0
372	1.821639	213.180.204.186	192.168.0.128	TLSv1.3	93 Application Data
373	1.821752	213.180.204.186	192.168.0.128	TLSv1.3	78 Application Data

- > Frame 369: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF\_{CD4422C0-E554-43BF-B9DE-08A7FF40E4E6}, id 0
- > Ethernet II, Src: MicroStarINT\_13:93:c2 (04:7c:16:13:93:c2), Dst: DLinkInterna\_9d:df:79 (bc:22:28:9d:df:79)
- ▼ Internet Protocol Version 4, Src: 192.168.0.128, Dst: 213.180.204.186
  - 0100 .... = Version: 4 **версия протокола**
  - .... 0101 = Header Length: 20 bytes (5) **IHL - длина заголовка**
  - > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  - Total Length: 40 **полная длина пакета**
  - Identification: 0x1838 (6200) **идентификатор пакета**
  - > 010. .... = Flags: 0x2, Don't fragment **флаги**
  - ...0 0000 0000 0000 = Fragment Offset: 0 **смещение фрагмента**
  - Time to Live: 128 **время жизни**
  - Protocol: TCP (6) **протокол**
  - Header Checksum: 0x0000 [validation disabled] **контрольная сумма заголовка**
  - [Header checksum status: Unverified]
  - Source Address: 192.168.0.128 **IP адресс отправителя**
  - Destination Address: 213.180.204.186 **IP адресс получателя**
  - [Stream index: 5]
- > Transmission Control Protocol, Src Port: 55077, Dst Port: 443, Seq: 2092, Ack: 5229, Len: 0

```

0000 bc 22 28 9
0010 00 28 18 3
0020 cc ba d7 2
0030 03 fe ee e

```

368	1.777647	213.180.204.186	192.168.0.128	TLSv1.3	137 Application Data
369	1.777930	192.168.0.128	213.180.204.186	TCP	54 55077 → 443 [ACK] Seq=2092 Ack=5229 Win=261632 Len=0
370	1.778008	192.168.0.128	213.180.204.186	TLSv1.3	78 Application Data
371	1.778047	192.168.0.128	213.180.204.186	TCP	54 55077 → 443 [FIN, ACK] Seq=2116 Ack=5229 Win=261632 Len=0
372	1.821639	213.180.204.186	192.168.0.128	TLSv1.3	93 Application Data
373	1.821752	213.180.204.186	192.168.0.128	TLSv1.3	78 Application Data

  

Source Address: 192.168.0.128  
Destination Address: 213.180.204.186  
[Stream index: 5]

Transmission Control Protocol, Src Port: 55077, Dst Port: 443, Seq: 2092, Ack: 5229, Len: 0

Source Port: 55077 **порт отправителя**  
Destination Port: 443 **порт получателя**  
[Stream index: 1]

[Conversation completeness: Complete, WITH\_DATA (63)]  
[TCP Segment Len: 0]  
Sequence Number: 2092 (relative sequence number) **порядковый номер**  
Sequence Number (raw): 884855589  
[Next Sequence Number: 2092 (relative sequence number)]  
Acknowledgment Number: 5229 (relative ack number) **номер подтверждения**  
Acknowledgment number (raw): 1447371344  
0101 .... = Header Length: 20 bytes (5) **длина заголовка**

[Flags: 0x010 (ACK) **флаги**  
Window: 1022  
[Calculated window size: 261632] **размер окна**  
[Window size scaling factor: 256]  
Checksum: 0xeee5 [unverified] **контрольная сумма**  
[Checksum Status: Unverified]  
Urgent Pointer: 0 **указатель на строчные данные**

[Timestamps]  
[SEQ/ACK analysis]

0000 bc 22 28  
0010 00 28 18  
0020 cc ba d7  
0030 03 fe ee

Ethernet (eth), 14 байтов

Пакеты: 13411