



GPS TRACKERS ARE SUPPOSED TO BE THIS STABLE



Covering 147+ countries and expanding
Partnered with 1,200+ customers
Deployed 500,000+ devices

Who We Are

ATrack Technology Inc. specializes in GPS telematics hardware designing and manufacturing, and has a product portfolio including solutions for cars, trucks, containers & non-powered assets, trailers, and motorcycles. In addition to a line of stable and robust hardware, we are also experienced in firmware and hardware modifications, and customized product developments. For System Integrators & Telematics Service Providers who value vendor responsiveness and flexibility, and are looking for a hardware partner who does not have a competing business model, ATrack is globally proven to be the best choice.



Global Endorsements:

- ▶ Deloitte - Ranks ATrack as one of the fastest growing technology companies in Asia Pacific
- ▶ IoT Evolution - Presented ATrack's AX7 with IoT Evolution Asset Tracking Award
- ▶ Garmin - Invited ATrack as the exclusive co-exhibitor at Connected Fleet Amsterdam
- ▶ Ptolemy - Ranks ATrack as one of top 3 telematics technology providers in Asia
- ▶ Research and Markets - Recognized ATrack as a forerunner in OBD telematics in a Telematics Industry Report
- ▶ Intel - Promoted ATrack at the Taipei Intelligent Systems Summit
- ▶ Toyota ITC Japan - Speaker for ATrack and AX7 at our October media/investor conference
- ▶ Certified by The Land Transportation Franchising and Regulatory Board in Philippines
- ▶ Qualified by The Norwegian Electric Vehicle Association
- ▶ TU-Automotive Awards 2016 - Nominated ATrack's AX9 as Best Aftermarket Telematics Product/Service
- ▶ E-Tech Awards 2016 - Nominated ATrack's AX9 for Mobile Enterprise Innovation Award

Deployment Examples:

- ▶ Norcross Police Department USA - Improve officer safety and call response times with built-in Wi-Fi module
- ▶ City of Detroit USA - Announced ATrack as official OBDII GPS Telematics hardware provider since 2015
- ▶ Chevron Indonesia - Largest oil producer in the country
- ▶ BHP Billiton Australia - One of the largest mining companies in the world
- ▶ Bridgestone World Solar Challenge Australia - Exclusively used ATrack product to monitor racers
- ▶ Rental cars throughout New Caledonia
- ▶ Motorist accident monitor throughout UK
- ▶ Municipality snow plows in Canada

ATrack Differentiators:

- ▶ Zero-Conflict - We specialize in hardware, you specialize in bundled-services
- ▶ Leads Generation - We offer business referrals to help you increase recurring revenue base
- ▶ Strong R&D - We frequently launch new products to help you offer new value-added services
- ▶ Flexibility - We provide product modification services to help you meet various project requirements
- ▶ Quality Driven - All products are 100% designed, manufactured, and inspected in Taiwan

Plug & Play

	3G /2G / OBD / J1939 / Cigar Power-Telematics		
Model	AX7P	AX9	AP1
Photo			
Brief	2G/3G GPS tracking unit with OBD-II Interface and plug-n-play installation. Options of OBD SAE J1939 Track data acquisition, Bluetooth connectivity , driver ID and Garmin PND.	2G/3G GPS tracking unit with OBD-II Interface and plug-n-play installation. Options of OBD & SAE J1939 Track data acquisition, Bluetooth connectivity ,driver ID and Garmin PND.	2G/3G Cigar Lighter GPS Tracker with plug & play installation. Compatible with gasoline, hybrid, and electric vehicles. Real-time location tracking and reporting. Built-in capability for motion and impact detection.
Target Industry	Usage-based insurance Fleet management Car rental / finance	Usage-based insurance Fleet management Car rental / finance	Usage-based insurance Fleet management Car rental / finance
Specifications			
Dimension (L x W x H)	50 x 46 x 25mm (1.97 x 1.81 x 0.98")	63 x 54 x 28mm (2.48 x 2.13 x 1.1")	100 x 50 x 25mm (3.94 x 1.97 x 0.98")
Housing	PC (UL 94 V-0)	PC (UL 94 V-0)	PC (UL 94 V-0)
Antenna Type	Internal GPS and cellular antenna	Internal GPS and cellular antenna	Internal GPS and cellular antenna
Operating Temp (w/o battery)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Power Supply	8~36V DC	8V~40V DC	8~36V DC
Power Consumption	60mAh @12V in working mode 1.8mAh @12V in deep sleep mode	50mAh @12V in working mode 1.8mAh @12V in deep sleep mode	51mAh @12V in working mode 1.8mAh @12V in deep sleep mode
Backup Battery	90 mAh	90 mAh	90 mAh
Connectivity	3G/2G	3G/2G/CMDA	3G/2G
GPS System	GPS or GPS / GLONASS	GPS or GPS / GLONASS	GPS or GPS / GLONASS
GPS Sensitivity	66 Channels, -165dBm sensitivity	56 Channels, -161dBm sensitivity	66 Channels, -165dBm sensitivity
GPS Accuracy	3.0 m CEP	2.5 m CEP	3.0 m CEP
Accelerometer	3-Axis, +/- 16g	3-Axis, +/- 16g	3-Axis, +/- 16g
Memory Size	8MB	8MB	8MB
Report Data Format	SMS, TCP/IP, UDP/IP	MS, TCP/IP, UDP/IP	SMS, TCP/IP, UDP/IP
Ignition Input	Auto ignition detect	Auto ignition detect	Auto ignition detect
Digital Input	Optional with RS4, RS5 cable	Optional with RS4A, RS5A cable	1 push button input for emergency event
Digital Output			
Analog Input			
1-Wire		Optional with RS4A cable	
RS-232	Optional with RS3, RS4 cable	Optional with RS3A, RS4A cable	
Micro USB	V		
Mini USB		Mini-A/Mini-B type	
Bluetooth	(Optional)	(Optional)	
Wireless Module			
Key Features			
Geofence Zones	32 zones, circular and rectangular shapes	32 zones, circular and rectangular shapes	32 zones, circular and rectangular shapes
Voice Communication			
Garmin FMI Support	Optional with RS3, RS4 cable	Optional with RS3A, RS4A cable	
Iridium Modem Support			
Squarell Support			
JBus Protocol Support	FMS / J1939 (for heavy-duty trucks)	FMS / J1939 (for heavy-duty trucks)	
OBD Protocol Support	ISO 15765-4, ISO 14230-4,ISO 9141-2, SAE J1850 VPW,SAE J1850 PWM	ISO 15765-4, ISO 14230-4,ISO 9141-2, SAE J1850 VPW,SAE J1850 PWM	
Message Queue	Queue: 21,000 positions / Log: 135,000 positions	Queue: 21,000 positions / Log: 135,000 positions	Queue: 21,000 positions / Log: 135,000 positions
Harsh Driving Behavior Detection	V	V	V
Preferred Roaming Networks	V	V	V
Data Encryption (AES 128 bit)			
Events On I/O Detection	Optional with RS4, RS5 cable	Optional with RS4A, RS5A cable	
Events On Motion/Impact Detection	V	V	V
Low Power Deep Sleep Mode	V	V	V
Pass Through Mode	Optional with RS3, RS4 cable	Optional with RS3A, RS4A cable	
Superpassword To Limit Directing	V	V	V
FOTA	V	V	V
Plug-n-Play Installation	V	V	V

*The Supporting band Frequency will be different according to models
Specifications are subject to change without prior notice

Hardwire

4G / 3G-Telematics			
Model	AK11	AU7	AK7
Photo			
Brief	4G LTE/3G Flagship fleet tracking device is suitable for real-time management of both small and large fleets across various market verticals. Additional WiFi hotspot feature offers other in-vehicle devices LTE network access, and BT feature offers communication with mobile Android/iOS applications.	3G/LTE* fleet tracking unit and monitoring gateway, featuring expandability and flexibility. Support two-way voice communication, Squarell, and FMS data acquisition. (Optional function:	3G economical, full-featured fleet tracking unit offers driver behavior management, supporting Garmin FMI and dispatching.
Target Industry	Heavy-duty engine vehicle Construction equipment Public safety vehicle	Heavy-duty engine vehicle Construction equipment Public safety vehicle	Fleet management Car rental / finance Delivery service
Specifications			
Dimension (L x W x H)	176 x 89 x 30mm (6.93" x 3.50" x 1.18")	100 x 65 x 26mm (3.94 x 2.56 x 1.02")	80 x 48 x 26mm (3.15 x 1.89 x 1.02")
Housing	ABS+PC (UL 94 V-0)+Silicon	Aluminum alloy	ABS+PC (UL 94 V-0)
Antenna Type	Built-in internal antenna and optional external antenna	External GPS and cellular antenna	Internal cellular antenna and external GPS antenna
Operating Temp (w/o battery)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Power Supply	8V~40V DC	8V~40V DC	8V~40V DC
Power Consumption	89 mAh @12V in working mode (estimated) 2.5 mAh @12V in deep sleep mode(estimated)	67mAh @12V in working mode 7mAh @12V in deep sleep mode	45mAh @12V in working mode 4mAh @12V in deep sleep mode
Backup Battery	1050mAh	900mAh	650mAh
Connectivity	LA - LTE/3G / LE - LTE/2G	LTE/3G/2G/CDMA	3G/CDMA
GPS System	GPS or GPS / GLONASS	GPS or GPS / GLONASS	GPS or GPS / GLONASS
GPS Sensitivity	72 Channels, -165dBm sensitivity	66 Channels, -165dBm sensitivity	56 Channels, -161dBm sensitivity
GPS Accuracy	3.0 m CEP	3.0 m CEP	2.5 m CEP
Accelerometer	3-Axis, +/- 16g	3-Axis, +/- 16g	3-Axis, +/- 16g
Memory Size	8MB	8MB	2MB
Report Data Format	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP, USSD
Ignition Input	V	V	V
Digital Input	1 x Positive (3.7V) / 3 x Negative (0.8V)	3 x Positive (3.7V) / 3 x Negative (0.8V)	2 x Positive (3.7V) / 2 x Negative (0.8V)
Digital Output	Up to 5, Max. sink current 300mA	Up to 4, Max. sink current 300mA	2, Max. sink current 300mA
Analog Input	1, 0~40VDC/0~5VDC, 12 bits resolution	2, 0~40VDC, 12 bits resolution	1, 0~40VDC, 12 bits resolution
1-Wire	V	V	V
RS-232	V	V	V
Micro USB	V	LTE Model only	
Mini USB	(Optional)		
Bluetooth	(Optional)		
Wi-Fi	(Optional)		
Key Features			
Geofence Zones	64 zones, polygonal shapes	64 zones, polygonal shapes	32 zones, circular and rectangular shapes
Voice Communication		V	
Garmin FMI Support	V	V	V
Iridium Modem Support		V	
Squarell Support	V	V	V
JBus Protocol Support	FMS / SAE J1939 / J1708	FMS/ SAE J1939 (Optional)	
OBD Protocol Support	ISO 15765-4, ISO 14230-4, ISO 9141-2, SAE J1850 VPW, SAE J1850 PWM		
Message Queue	Queue: 21,000 positions / Log: 135,000 positions	Queue: 21,000 positions / Log: 134,000 positions	Queue: 9,000 positions / Log: 16,000 positions
Harsh Driving Behavior Detection	V	V	V
Preferred Roaming Networks	V	V	V
Data Encryption (AES 128 bit)	V	V	
Events On I/O Detection	V	V	V
Events On Motion/Impact Detection	V	V	V
Low Power Deep Sleep Mode	V	V	V
Pass Through Mode	V	V	V
Superpassword To Limit Directing	V	V	V
FOTA	V	V	V
Plug-n-Play Installation	Optional with OBDII interface cable		Optional with cigar/OBDII power cable

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Hardwire



2G-Telematics			
Model	AT5	AK1	AL1
Photo			
Brief	2G Flagship fleet tracking unit and monitoring gateway, featuring expandability and flexibility. Support two-way voice communication, Squarel, and FMS data acquisition. (Optional function: Iridium satellite communication)	2G economical, full-featured fleet tracking unit offers driver behavior management, supporting Garmin FMI and dispatching.	2G economical and flexible fleet tracking unit with features on demand. Optional RS-232 for advanced application.
Target Industry	Heavy-duty engine vehicle Construction equipment Public safety vehicle	Fleet management Car rental / finance Delivery service	Fleet management Car rental / finance Small and medium-sized business
Specifications			
Dimension (L x W x H)	100 x 65 x 26mm (3.94 x 2.56 x 1.02")	80 x 48 x 26mm (3.15 x 1.89 x 1.02")	80 x 48 x 26mm (3.15 x 1.89 x 1.02")
Housing	Aluminum alloy	ABS+PC (UL 94 V-0)	ABS+PC (UL 94 V-0)
Antenna Type	External GPS and cellular antenna	Internal cellular antenna and external GPS antenna	Internal cellular antenna and external GPS antenna
Operating Temp (w/o battery)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Power Supply	8V~40V DC	8V~40V DC	8V~40V DC
Power Consumption	67mAh @12V in working mode 7mAh @12V in deep sleep mode	45mAh @12V in working mode 4mAh @12V in deep sleep mode	45mAh @12V in working mode 4mAh @12V in deep sleep mode
Backup Battery	900mAh	650mAh	3.7V 650mAh Rechargeable Li-ion battery
Connectivity	*Quad-band GSM/GPRS	*Quad-band GSM/GPRS	*Quad-band GSM/GPRS
GPS System	GPS or GPS / GLONASS	GPS or GPS / GLONASS	GPS or GPS / GLONASS
GPS Sensitivity	66 Channels, -165dBm sensitivity	66 Channels, -165dBm sensitivity	66 Channels, -165dBm sensitivity
GPS Accuracy	3.0 m CEP	3.0 m CEP	3.0 m CEP
Accelerometer	3-Axis, +/- 16g	3-Axis, +/- 16g	3-Axis, +/- 16g
Memory Size	8MB	2MB	2MB
Report Data Format	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP, USSD
Ignition Input	V	V	V
Digital Input	3 x Positive (3.7V) / 3 x Negative (0.8V)	2 x Positive (3.7V) / 2 x Negative (0.8V)	2 x Positive (3.7V) / 2 x Negative (0.8V)
Digital Output	Up to 4, Max. sink current 300mA	2, Max. sink current 300mA	2, Max. sink current 300mA
Analog Input	1, 0~40VDC/0~5VDC, 12 bits resolution	1, 0~40VDC, 12 bits resolution	1, 0~40VDC, 12 bits resolution
1-Wire	V	V	V
RS-232	V	V	Optional (RS-232 Cable)
Micro USB			
Mini USB			
Bluetooth			
Wireless Module			
Key Features			
Geofence Zones	64 zones, polygonal shapes	32 zones, circular and rectangular shapes	32 zones, circular and rectangular shapes
Voice Communication	V		
Garmin FMI Support	V	V	V
Iridium Modem Support	V		
Squarell Support	V	V	V
JBus Protocol Support	FMS/SAE J1939 (Optional)		
OBD Protocol Support			
Message Queue	Queue: 21,000 positions / Log: 134,000 positions	Queue: 9,000 positions / Log: 16,000 positions	Queue: 9,000 positions / Log: 16,000 positions
Harsh Driving Behavior Detection	V	V	V
Preferred Roaming Networks	V	V	V
Data Encryption (AES 128 bit)	V		
Events On I/O Detection	V	V	V
Events On Motion/Impact Detection	V	V	V
Low Power Deep Sleep Mode	V	V	V
Pass Through Mode	V	V	V
Superpassword To Limit Directing	V	V	V
FOTA	V	V	V
Plug-n-Play Installation		Optional with cigar/OBDII power cable	Optional with cigar/OBDII power cable

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IP Rated

	3G / 2G Asset Tracker		4G / 3G / 2G Vehicle / Motorcycle Tracker	
Model	AS1 (E)	AS3 (E)	AL11	AL7
Photo				
Brief	2G/3G self-contained IP67 waterproof tracking unit, featuring theft detection and fast recovery.	2G/3G rugged trailer tracker with IP67 casing and large rechargeable battery.	4G LTE/ 3G IP rated tracking device is suitable for monitoring various types of mobile assets. It can be easily and covertly installed with a 3 wire connection and flexible and reliable device for diverse tracking applications.	2G/3G GPS tracking unit with IP66 waterproof casing, an ideal solution for Motorcycle Tracking, Fleet Management, Car Rental, and Small & Medium-Sized Enterprises.
Target Industry	Container and high value asset tracking	Oil, gas, mining asset tracking and trailer tracking	Fleet management Car rental / finance Small & Medium-Sized Enterprises	Fleet management Car rental / finance Motorcycle Tracking Small & Medium-Sized Enterprises
Specifications				
Dimension (L x W x H)	120 x 80 x 32mm (4.72 x 3.15 x 1.26")	120 x 80 x 32mm (4.72 x 3.15 x 1.26")	105 x 72 x 21mm (4.13 x 2.83 x 0.83")	88 x 65 x 25mm (3.46 x 2.56 x 0.98")
Housing	ABS+PC (UL 94 V-0)	ABS+PC (UL 94 V-0)	PC (UL 94 V-0)	PC (UL 94 V-0)
Antenna Type	AS1-Internal GPS & cellular AS1(E)-External GPS & internal cellular antenna	AS3-Internal GPS & cellular antenna AS3(E)-External GPS & internal cellular antenna	Internal GPS and cellular antenna	Internal GPS and cellular antenna
Operating Temp (w/o battery)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 80°C (-40°F ~ 176°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Power Supply	8V~40V DC	8V~40V DC	6~30V DC	6~30V DC
Power Consumption	39mAh @3.6V in working mode 0.11mA @3.6V in Deep Sleep mode	39mAh @12V in working mode 4mA @12V in sleep mode	250mA@12V in working mode 2.6mA@12V in sleep mode	30mAh @12V in working mode 0.5mA @12V in deep sleep mode
Backup Battery	3.6V 8800mAh Primary battery	3.7V 2050mAh Li-ion battery	3.7V 1050mAh Li-ion battery	920mAh
Connectivity	3G/2G/CDMA/LoRa/SIGFOX	3G/2G/CDMA	4G LTE/ 3G	3G/2G/CDMA
GPS System	GPS or GPS / GLONASS	GPS or GPS / GLONASS	GPS / GLONASS	GPS or GPS / GLONASS
GPS Sensitivity	66 Channels, -165dBm sensitivity	66 Channels, -165dBm sensitivity	99 Channels, -165dBm sensitivity	56 Channels, -161dBm sensitivity
GPS Accuracy	3.0 m CEP	3.0 m CEP	3.0 m CEP	2.5 m CEP
Accelerometer	3-Axis, +/- 2g	3-Axis, +/- 16g	3-Axis, +/- 16g	3-Axis, +/- 16g
Memory Size	8MB	2MB	8MB	2MB
Report Data Format	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP, USSD	SMS, TCP/IP, UDP/IP
Ignition Input	V	V	V	V
Digital Input	1 x Positive (3.7V) / 2 x Negative (0.8V)	2 x Positive (3.7V) / 2 x Negative (0.8V)	2 x Positive (3.7V) / 2 x Negative (0.8V)	2 x Positive (3.7V) / 2 x Negative (0.8V)
Digital Output	2, Max. sink current 300mA	2, Max. sink current 300mA	2, Max. sink current 300mA	2, Max. sink current 300mA
Analog Input	1, 3V~40VDC, 12 bits resolution	1 Analog input (0~40VDC)	1 (optional)	1 (optional)
1-Wire	V	V	V	V
RS-232	V			
Micro USB	For data download and configuration		V	V
Bluetooth				
Wireless Module				
Key Features				
Waterproof	IP67	IP67	IP66	IP66
Geofence Zones	5 zones, circular and rectangular shapes	32 zones, circular and rectangular shapes	64 zones, circular and rectangular shapes	32 zones, circular and rectangular shapes
Auto Geofence	V	V	V	V
Battery Life for Long Deployment	3.5 years with 1 report per day	26 days with 1 report per day		15 days with 1 report per day
Garmin FMI Support				
Squarell Support				
JBus Protocol Support				
Message Queue	Queue: 21,000 positions / Log: 99,000 positions	Queue: 9,000 positions / Log: 16,000 positions	Queue: 9,000 positions / Log: 16,000 positions	Queue: 9,000 positions / Log: 16,000 positions
Harsh Driving Behavior Detection		V	V	V
Preferred Roaming Networks		V	V	V
Data Encryption (AES 128 bit)				
Events On I/O Detection		V	V	V
Events On Motion/Impact Detection	V	V	V	V
Low Power Deep Sleep Mode	V	V		V
Pass Through Mode				
Superpassword To Limit Directing	V	V	V	V
FOTA	V	V	V	V
Integrated mounting flange	V	V	V	

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Accessories

I/O Expansion



OBDII Extension Cable



OBDII Passthrough Cable



RS1: 1-3 RS232 Expander Cable



RS2: RS232-to-RS485 Adapter



RS3: Micro USB-to-RS232 Adapter



RS4: Micro USB-to-RS232 Adapter + 1 Digital Input Adapter



RS5: Micro USB-to-1 Digital Input Adapter



RS3A: Micro USB-to-RS232 Adapter



RS4A: Micro USB-to-RS232 Adapter + 1 Digital Input Adapter



RS3: Micro USB-to-1 Digital Input Adapter



OBDII to J1939 Adapter Cable



OBD to J1939 Y Cable



AC1P - OBDII_J1939 Diagnostic adaptor (DB 9-pin)



AC1R - OBDII_J1939 Diagnostic adaptor (JST 4-Pin)

Safety



12V / 24V Relay



Wireless Relay (for AX7)



Wireless Module (for AX7)



CMOS Camera CAM7570



CMOS Camera CAM5650



External Drive Buzzer



SOS Push Button Cable (Unlocked)



Privecyn ON / OFF Button Cable (Locked)

Identification



1-wire iButton Tag & Reader



1-wire Magnetic iButton Tag & Reader



RFID Reader (Mifare/Desfire/ISO & Tag)



Active RFID Reader & Tag



Trailer ID

Utility



Speaker



Microphone



Cigar Power Cable



OBDII Power Cable



1-wire Temp Sensor



Iridium Solution Kit



Magent Kit



Mounting Bracket



Solar Panel



Rechargeable Battery (for testing purpose)



Rechargeable Battery charger (for testing purpose)



Power Dust Cap (for AS3)



Waterproof Case

Sensor

Why ATrack

0

channel conflict with customers and partners, professional telematics hardware provider

2G/3G/4G/
LPWA

network support, full-featured product line for dynamic customer requirements

24 Hours

responsive technical support, expertise service in all domains

100%

in-house R&D and Taiwan manufacturing, world class production facility

1,200+

customers in more than 147 countries worldwide, rich global experience

Partnership

Tracking Platform Partner



M2M Global SIM Partner



Device Partner



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