



AX7P is a 3G/2G GPS tracking unit with OBDII interface and plug-n-play installation. Featuring OBDII and J1939 data acquisition, optional bluetooth connectivity, driving behavior event management, and user-defined reports, AX7P is an ideal solution for usage based insurance, car rental, fleet management of both passenger vehicles and heavy-duty trucks.



### 3G / 2G Connectivity

3G communication with 2G fallback.



OBDII + J1939

### OBDII / J1939

OBDII and J1939 data acquisition.



### Plug & Play Installation

Easy plug-and-play installation and compatible with various vehicles that offers OBDII ports.



### Built-in Buzzer

Build-in buzzer for notification; basing on configurable event.



### Bluetooth

Bluetooth 4.0 BLE (optional) for IoT application.

### Optional Accessories

#### I/O Expansion

OBDII Extension Cable  
 OBDII Pass through Cable  
 RS3:Micro USB-to-RS232 Adapter  
 RS4:Micro USB-to-RS232 Adapter  
 + 1 Digital Input Adapter  
 RS5:Micro USB-to-1 Digital Input Adapter  
 OBDII to J1939 Adapter Cable  
 OBDII to J1939 Y-Cable

#### Safety

SOS Push Button Cable (Unlocked)  
 Business / Private Trip Switch Button Cable

#### Identification

RFID Reader & Tag

#### 3rd Party Peripherals

Garmin:PND (FMI 2.0)

#### ATrack Proprietary Tool

ACT (ATrack Configuration Tool)  
 ADM (ATrack Device Management Portal)

# Hardware Specification

# AX7P

## CELLULAR

AX7P-UG (Global)	UMTS / HSPA 800, 850, 900, 1900, 2100MHz GSM 850, 900, 1800, 1900MHz
AX7P-GG	GSM 850, 900, 1800, 1900MHz
Data Support	UDP / IP, TCP / IP, SMS
Antenna	Embedded cellular antenna

## GPS

Receiver Type	66 channel engine
Location Technology	GPS
SBAS Support	QZSS, WAAS, EGNOS, MSAS
Tracking Sensitivity	-165dBm
Acquisition Sensitivity	-148dBm
Location Accuracy	3.0m CEP 50%
Antenna	Internal

## INPUTS/OUTPUTS

Vehicle BUS Protocols	ISO 15765-4 (CAN) ISO 14230-4 (KWP2000) ISO 9141-2 SAE J1850 VPW SAE J1850 PWM SAE J1939
Serial Interface (Optional)	RS232
Digital Input (Optional)	1
LED Indicators	3 LEDs (OBD, Cellular, GPS)
Buzzer	>70dB @ 10cm
Bluetooth (Optional)	Bluetooth BLE 4.0

## SENSORS

Accelerometer	3-axis ±16g
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## ELECTRICAL

Operating Voltage	Vehicle 12V / 24V system
Current Consumption	Operating: Max. 110mA @ 12V Deep Sleep: 1.8mA @ 12V
Backup Battery	3.7V 90mAh

## MEMORY

Internal Flash Memory	64 Megabit Up to 135,000 logs Up to 21,000 queues
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## ENVIRONMENTAL

Operating Temperature	-40 to +85 °C (without battery) -20 to +60 °C (with battery)
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## PHYSICAL

Dimension	50mm x 46mm x 25 mm (1.97" x 1.81" x 0.98")
Weight	50g (0.11 lb)
Enclosure	Flame Retardant PC

## CONNECTORS

Vehicle BUS Interface	SAE J1962 Type B connector Optional adapter for DEUTSCH 9 Pin Connector
SIM Card Socket	Internal Mini SIM (2FF)
Configuration Interface	Micro USB Port

## DEVICE MANAGEMENT

Configuration	ADM, SMS, USB Cable
Firmware Update	ADM, FOTA, USB Cable

## CERTIFICATIONS

Standards	CE, FCC, IC, TELEC, JATE, NCC
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## About ATrack

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. ATrack always strives to provide the most reliable hardware and excellent service for our customers and has obtained ISO 9001 Quality Management Systems to enhance product quality and ultimately improve levels of customer satisfaction. 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.

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