



AP5 is a plug-and-play GPS tracker that can be easily installed by simply plugging it into the vehicle's OBDII port. In addition to real-time location tracking and reporting via 4G LTE cellular technology, AP5 also has built-in G-Sensors for the capability to monitor and detect motion and impact events.



**4G LTE Connectivity**

LTE Cat.1 communication.



**Plug & Play Installation**

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



**3-axis Accelerometer**

Built-in 3-axis accelerometer for motion detection.



**Build-in Buzzer**

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



**Power Management**

Configurable power management.

**Application Examples**



Passenger car management



Taxi management



Enterprise car management



Shuttle bus management



Construction vehicle management



Heavy trucks management

# Hardware Specification

# AP5

## CELLULAR

AP5-LJ (SoftBank)	LTE FDD Cat.1 B1, B8
Output Power	Class 3 (0.2 W, 23 dBm) @ LTE
Data Support	UDP / IP, TCP / IP, SMS
Antenna	Embedded cellular antenna

## GPS

Receiver Type	72 channel engine
Location Technology	GPS & GLONASS
SBAS Support	WAAS, EGNOS, GAGAN, MSAS
Tracking Sensitivity	-160dBm
Acquisition Sensitivity	-148dBm
Location Accuracy	2.5m CEP 50%
Antenna	Internal

## INPUTS/OUTPUTS

Panic Button	Built in
LED Indicators	2 LEDs (Cellular, GPS)
Buzzer	>70dB @ 10cm

## SENSORS

Accelerometer	3-axis ±16g
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## ELECTRICAL

Operating Voltage	Vehicle 12V / 24V system
Current Consumption	Operating: 53-204mA @ 12V Deep Sleep : 0.65mA @ 12V

## MEMORY

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

Operating Temperature	-20 to +60 °C
Humidity	95%RH @ 50° C non-condensing

## PHYSICAL

Dimension	45mm × 50mm × 25mm (Exclude Cable) (1.77" × 1.97" × 0.98")
Weight	140g (0.3 lb)
Enclosure	Flame Retardant PC
Vibration/Shock	MIL-STD-810G/SAE J1455

## CONNECTORS

Power Plug	SAE J1962 TypeB Connector (Power Only)
SIM Card Socket	Internal Mini SIM (2FF)
Configuration Interface	UART

## DEVICE MANAGEMENT

Configuration	ADM, SMS, UART
Firmware Update	ADM, FOTA, UART

## CERTIFICATIONS

Standards	TELEC, JATE, RoHS
Carriers (Module Certified)	SoftBank

## 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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