



AP3 is a 4G LTE cigar lighter GPS tracker, which fits all standard vehicles or moving assets that offers cigar power socket. AP3 offers easy plug & play installation and is universally compatible with gasoline, hybrid, and electric vehicles for both consumer as well as commercial market verticals. AP3 provides real-time location tracking and reporting, and also has built-in capability to monitor motion and impact events.



### 4G LTE Connectivity

LTE Cat. M1 communication.



### Plug & Play Installation

Easy plug-and-play installation and compatible with various vehicles that offers cigar lighter 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

# AP3

## CELLULAR

AP3-MJ (Softbank)	LTE FDD Cat.M1 B1, B8, B18, B19
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: 53-120mA @ 12V (AP3-MJ)

## 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	100mm × 50mm × 25mm (3.94" × 1.97" × 0.98")
Weight	70g (0.15 lb)
Enclosure	Flame Retardant PC
Vibration/Shock	MIL-STD-810G/SAE J1455

## CONNECTORS

Cigarette Lighter Plug	5A fuse included
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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