

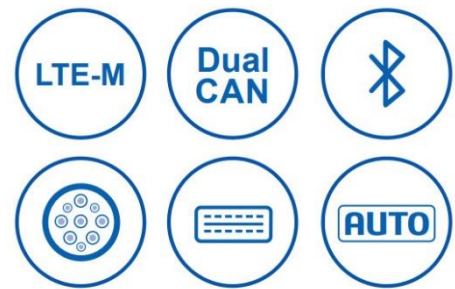


## AX300 is an LTE-M tracker with an OBDII interface

And compliance with the latest RP1226 connector through an external adapter. This product enables retrieve detail vehicle engine data by ISO15765-4, SAE J1939, and SAE J1708 protocols. It is perfect for operators in need of, monitoring location, speed, engine status, and other parameters available from the engine diagnostic port of vehicles.

### Features

- LTE Cat. M1 connectivity
- Supports Dual CAN bus for getting detail vehicle engine data
- Bluetooth for wireless sensors or Mobile App
- Support SAE J1939 /J1708
- Compliance with RP1226 connector through external adapter
- CAN BUS auto detect



### Ordering Information

Model	Version	Region	Interface Comparison		
			CAN Bus	J1708	Bluetooth
AX300-MGCSB-AT02	Standard	Global	2	1	●
AX300-MGCXB-AT02	Standard	Global	2	1	
AX300-MXCSB-AT02	Standard	North America	2	1	●
AX300-MXCXB-AT02	Standard	North America	2	1	

## Specifications

### CELLULAR

AX300-MG (Global)	LTE FDD Cat.M1 B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B85
AX300-MX (North America)	LTE FDD Cat.M1 B2, B4, B5, B12, B13
Data Support	UDP / IP, TCP / IP, SMS
Antenna	Embedded cellular antenna

### GNSS

Receiver Type	33 Tracking channels 99 Acquisition channels
Location Technology	GPS & GLONASS
SBAS Support	WAAS, EGNOS, GAGAN, MSAS
Tracking Sensitivity	-167dBm
Acquisition Sensitivity	-149dBm
Location Accuracy	2.5m CEP 50%
Antenna	Internal

### INPUTS/OUTPUTS

Vehicle BUS Protocols	ISO 15765-4 Dual SAE J1939 SAE J1587/J1708 OEM CAN Data
LED Indicators	3 LEDs (Power, Cellular, GPS)
Buzzer	>70dB @ 10cm
Bluetooth (Optional)	Low Energy v5.0, Class 3

### SENSORS

Accelerometer	3-axis $\pm 16g$
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### ELECTRICAL

Operating Voltage	Vehicle 12V / 24V system
Current Consumption	Operating: 100mA @ 12V Deep Sleep: 3.3mA @ 12V
Backup Battery	3.7V 250mAh

### MEMORY

Internal Flash Memory	16 Megabits
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### ENVIRONMENTAL

Operating Temperature	-40°C to +60°C (connected to primary power) -20°C to +60°C (operating on internal battery)
Humidity	95%RH @ 50° C non-condensing
Vibration/Shock	MIL-STD-810G, SAE J1455

### PHYSICAL

Dimension	66.8 mm × 50mm × 23mm (2.62" x 1.96" x 0.90")
Weight	50g (0.11lb)
Enclosure	Flame Retardant ABS+PC

### CONNECTORS

OBDII connector	SAE J1962 Type B Connector Optional adapter for DEUTSCH 6Pin/9Pin Connector, RP1226 Connector
SIM Card Socket	Internal NanoSIM (4FF)
Configuration Interface	Micro USB connector

### DEVICE MANAGEMENT

Configuration	ADM(ATrack Device Management), SMS, USB Cable
Firmware Update	ADM(ATrack Device Management), FOTA, USB Cable

### CERTIFICATIONS

Standards	FCC, IC, PTCRB, RoHS
Carriers	AT&T, Verizon