ATrack
Connecting the Future

AX300
LTE-M OBD Tracker

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.
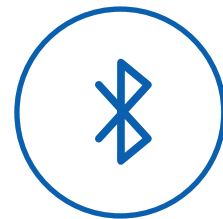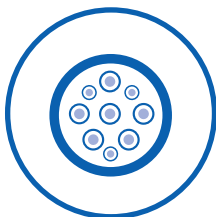
| Truck | Pickup Truck | Excavator | Passenger Car |

AX300

TAIWAN EXCELLENCE 2023

Features

LTE-M
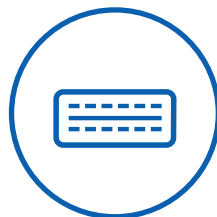
LTE Cat. M1 connectivity

Dual CAN

Supports Dual CAN bus for getting detail vehicle engine data

Bluetooth

Bluetooth for wireless sensors or Mobile App

Support SAE J1939 /J1708

Compliance with RP1226 connector through external adapter

AUTO

CAN BUS auto detect

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, B71, B85
AX300-MX (N.America)	LTE FDD Cat.M1
	B2, B4, B5, B12, B13
AX300-MT (LATAM)	LTE FDD Cat. M1
	B2, B3, B4, B5, B7, B8, B28, B66
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 *	Low Energy v5.0, Class 3

SENSORS

Accelerometer	3-axis ±16g

* Optional

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

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 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

Ordering Information

Model	Region	Connectivity	Interface Comparison		
			CAN Bus	J1708	Bluetooth
AX300-MGCSB-AT02	Global	LTE Cat.1 M1	2	1	●
AX300-MGCXB-AT02	Global	LTE Cat.1 M1	2	1	—
AX300-MXCSB-AT02	N.America	LTE Cat.1 M1	2	1	●
AX300-MXCXB-AT02	N.America	LTE Cat.1 M1	2	1	—
AX300-MTCSB-AT02	LATAM	LTE Cat.1 M1	2	1	●
AX300-MTCXB-AT02	LATAM	LTE Cat.1 M1	2	1	—