

## AX9 OBDII Vehicle Telematics

AX9 is an optional 2G/3G GPS tracking unit with OBD-II Interface and plug-n-play installation.

Featuring OBD / CAN Bus J1939 data acquisition, Bluetooth connectivity, driving behavior event management, and user-defined reports, AX9 is an ideal solution for Usage Based Insurance, Car Rental, Fleet Management of both Passenger Vehicles and Heavy-Duty Trucks, and Teenage Driver Tracking.



### Product Features:

- Flexible wireless network options
- Small and easy plug-and-play installation
- Ultra low current consumption in deep sleep mode
- Data communication by SMS/TCP/UDP
- High GPS sensitivity
- Built-in 3-axis G-sensor
- FOTA firmware upgrade using FTP
- Configurable Real Time Tracking & Logging
- 32 user defined geofences
- Build-in buzzer for configurable event
- \*Roaming preference settings
- Harsh driving behavior events
- Configurable power management
- OBDII data collection
- FMS / J1939 data collection
- Fuel economy calculation
- User defined OBDII event transmission
- OBDII Diagnostic trouble code reporting
- Intelligent event control engine
- Buffered event message of 150,000 positions

\*AX9(CV) and AX9(CS) are not supporting roaming preference feature

### Optional Features:

- Backup battery for Tampering Alert application
- Bluetooth support for cell phone user interactive application

### Optional Accessories:

- Low profile OBDII extension cable
- Low profile OBDII pass through cable
- OBDII-to-J1939 adapter

## AX9 Series Hardware Specification:

Model Number	AX9(2G)	AX9(UA)	AX9(UE)	AX9(UG)	AX9(CV)	AX9(CS)
Dimensions (L x W x H)	63 x 54 x 28 mm ( 2.48 x 2.13 x 1.1" )					
Weight	73g(2.57oz)					
Housing	Flame Retardant PC (UL 94 V-0)					
Operating Temperature	-40°C ~ +85°C (-40°F~185°F)					
<b>Electrical Characteristics</b>						
Power Supply	8V ~ 40V DC(±20%)					
Current Consumption	Operating : Max 130mA@12V, Deep Sleep Mode 4.2mA@12V					
<b>Cellular Network Communication</b>						
Technology	GSM/GPRS	WCDMA/HSPA			CDMA2000 1xRTT	
Frequency(MHz)	850/900 1800/1900	850/1900	900/2100	800/850 900/1700 1900/2100	800/1900	
Carrier Support	Worldwide	USA/Canada	EU/APAC Softbank	Worldwide Japan NTT	Verizon	Sprint
GSM/GPRS	Quad-band	850/1900	900/1800	Quad-band	N/A	
Cellular Antenna	Internal Cellular antenna					
SIM Card	1.8V/3V Mini SIM(2FF)				N/A	
<b>GNSS</b>						
Receiver	72 Channels, -167dBm Tracking sensitivity					
Accuracy	2.5m CEP					
GPS Antenna	Internal GPS antenna					
GPS Data Buffer	8 MB					
<b>Accelerometer</b>						
3-Axis	Z,X,Y					
Resolution	±16g, 400Hz					
<b>OBD-II Communication</b>						
Connector Type	SAE J1962 Male Connector (Type B)					
Protocol Supported	ISO 15765-4 (CAN), 11/29Bit ID, 250/500Kbaud					
	ISO 14230-4 (KWP2000)					
	ISO 9141-2 (Asian, European, Chrysler vehicles)					
	SAE J1850 VPW (GM vehicles)					
	SAE J1850 PWM (Ford vehicles)					
	FMS / J1939 (for heavy-duty trucks)					
<b>Device I/O Port</b>						
Mini-AB type USB Port	Mini-A/Mini-B TYPE Plug in + UART port + Digital input					
<b>Standard Accessories</b>						
USB cable	USB-A type 5pin cable 1.2M					
<b>Optional Accessories</b>						
Backup Battery	Internal 3.7V 100mAh Rechargeable Lithium-ion Polymer Battery					
Bluetooth Module	Version 3.0 EDR, 2.4GHz, Class 2, SPP(Serial Port Profile)					