



## FEATURES

-  High-precision GPS/GLONASS tracking device plugs into existing OBDII ports
-  Speeding, harsh braking and cornering, accident and rollover detection
-  Electronic Odometer Readings
-  Accelerometer for Smart Movement Based Tracking
-  Multiple installation options (traditional plug and play, splitter installation, or secure with cable ties)

# Bolt OBD

CELLULAR 2G OR 4G LTE-M / NB-IOT

## OVERVIEW

Compact and affordable vehicle tracking device featuring simple plug and play installation for fleet management, driver safety and behavior monitoring, theft recovery, and more.

## APPLICATIONS



Fleet Management



Real-Time Vehicle Tracking



Theft Recovery



Driver Safety & Behavior



Accident & Rollover Detection



Run Hours Monitoring



Preventative Maintenance



Digital Logbooking

## CONNECTIVITY

<b>2G</b>	2G: SARA-G350-O2S-01 850/900/1800/1900 MHz
<b>4G LTE-M / NB-IoT</b>	uBlox SARA-R410M Modem operates on all major global LTE-M and NB-IoT bands.  Supported LTE bands: 1*, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 26*, 28 (*roaming bands)
<b>SIM SIZE &amp; ACCESS</b>	Internal Nano 4FF SIM

## LOCATION

<b>MODULE</b>	uBlox EVA-M8
<b>CONSTELLATION</b>	Concurrent GPS / GLONASS
<b>CHANNELS</b>	72 Channel High Sensitivity Receiver
<b>TRACKING SENSITIVITY</b>	-167dBm industry-leading tracking performance
<b>ASSISTNOW OFFLINE</b>	GNSS aiding data (such as ephemeris, time, coarse position) for a faster Time To First Fix (TTFF).
<b>LOW NOISE AMPLIFIER</b>	GPS signals are boosted by a unique low-noise amplifier (LNA) allowing operation where other units fail.

## POWER

<b>INPUT VOLTAGE</b>	8-36V DC (max). OBDII connector draws power from vehicle's OBD port.
<b>SELF-RESETTING FUSE</b>	Built-in self-resetting fuse makes installation simple and safe. Stringent automotive power "load dump" tests are conducted to ensure operation in the harshest electrical systems.
<b>OPERATING CURRENT</b>	~25/50mA when moving
<b>SLEEP CURRENT</b>	<1mA

## MECHANICS/DESIGN

<b>DIMENSIONS</b>	L 71 x W 46 x H 24 mm
<b>WEIGHT</b>	48g
<b>HOUSING</b>	ABS Polycarbonate Plastic
<b>OPERATING TEMPERATURE</b>	-20°C to +60°C
<b>INSTALLATION</b>	OBDII standard connector draws power from the OBDII port to operate.
<b>GPS ANTENNA</b>	Internal
<b>CELLULAR ANTENNA</b>	Internal
<b>3-AXIS ACCELEROMETER</b>	3-Axis Accelerometer to detect movement, acceleration, high G-force events, and more.
<b>DIAGNOSTIC LED</b>	Diagnostic LED signifies operation status.
<b>FLASH MEMORY</b>	Store weeks of records if device is out of cellular coverage. Storage capacity for over 10 days of continuous 30-second logging.

## SMARTS

<b>AUTO-APN</b>	Auto-APN allows the device to analyze the SIM card and select the correct APN details from a list that is pre-loaded in the device's firmware.
<b>ACCIDENT &amp; ROLLOVER DETECTION</b>	Configure accident and rollover alerts triggered by extreme changes in velocity and orientation of vehicle or equipment. Second-by-second GPS data is saved on the device's flash memory, with a capacity of approximately 2 hours of data. In the event of an accident, a subset of the data (60 seconds before / 10 seconds after) is uploaded to the server automatically (if configured) or can be requested manually for a detailed reconstruction of the incident.
<b>DRIVER SAFETY &amp; BEHAVIOR</b>	Monitor speeding, harsh acceleration, braking, cornering, idling, and more to improve safety and prevent unnecessary wear on vehicles.
<b>GEOFENCING</b>	Create custom geofences and alerts if an asset enters or leaves specific locations.
<b>PREVENTATIVE MAINTENANCE</b>	Set reminders based on distance traveled and run hours to reduce maintenance and repair costs.
<b>REAL-TIME TRACKING</b>	Device remains continuously connected while on the move for real-time asset tracking.
<b>THEFT RECOVERY</b>	Switch to Recovery Mode in the case of theft or loss to activate real-time tracking at 30-second intervals for asset retrieval.
<b>RUN HOUR MONITORING</b>	Calculate run hours and distance traveled (odometer) to understand and optimize asset utilization.

## DEVICE MANAGEMENT

<b>FLEXIBLE CONFIGURATION</b>	Configure device parameters such as heartbeat rate, movement and accelerometer settings, and more to fit any tracking application.
<b>OEM SERVER</b>	Manage, monitor, configure, debug, update, and restart devices remotely from our cloud-based device management system.

## INTEGRATION

<b>THIRD-PARTY INTEGRATION</b>	Webhook, TCP or HTTPS, Direct and Data Splitting Integration Options
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## SECURITY

<b>DATA SECURITY</b>	Military-level AES-256 Encryption from device to OEM Server to protect the integrity and confidentiality of telematics data.  Data forwarded to third-party systems is sent via HTTPS for end-to-end security.
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## WARRANTY

<b>MANUFACTURER'S WARRANTY</b>	One year manufacturer's warranty.
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## CERTIFICATIONS

Please contact us for a full list of compliance specifications and documentation for your region.	<b>4G</b> - FCC, ISED, CE (DoC) <b>2G</b> - ICASA, CE (DoC)
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