

# Geotab GO9

Expandable telematics and GPS device for fleets

Geotab's GO9 telematics device is the most powerful yet – offering a 32-bit processor, dramatically increased memory and RAM. GO9 offers state-of-the-art GPS technology, g-force monitoring, Geotab's IOX® expandability, engine and battery health assessments, and communication on the LTE network. GO9 features are designed to help you reduce fleet costs, increase productivity and efficiency, improve safety and strengthen compliance.



## Vehicle Tracking

Using Geotab's patented tracking algorithm, the GO9 accurately recreates vehicle trips and analyzes incidents. The GO9 also offers in-vehicle alerts to notify drivers instantly of infractions and – with hardware Add-Ons – provides live coaching for drivers' on-road performance. The GO9 does not require a dash-mounted antenna or any wire splicing.

## Security

Geotab platform security is designed for end-to-end protection of your data. Key implementations include:

- ✓ GO device and network interfaces use authentication, encryption, and message integrity verification.
- ✓ Each GO device uses a unique ID and non-static security key.
- ✓ Over-the-air updates use digitally-signed firmware to verify that updates come from a trusted source.
- ✓ Independent third-party experts validate the platform from end to end.



Use the GO9 and Ward - Go Fuel - Interface to integrate your GPS and Ward Fuel Management solution. Contact Ward for details!

## KEY FEATURES

- Easy installation
- LTE Connectivity
- Small form factor device
- Intelligent in-vehicle driver coaching
- Breakthrough accident detection and notification
- External device expandability via IOX Technology
- Built-in auto-calibrating accelerometer and gyrometer
- Near-real-time vehicle data
- Fast GPS acquisition time using Almanac OTA support
- Support for GPS+GLONASS connectivity
- Additional native support for more vehicle protocols
- FIPS 140-2 validated by NIST (certificate #3371)



See the Ward Capabilities Brochure for more product offerings.

**GEOTAB**  
management by measurement

Authorized  
Geotab Reseller

# Technical Specifications and Features

<b>Interfaces</b>	<b>Engine Management</b> Legacy OBD (SAE J1850 PWM/VPW, ISO 9141-2, and ISO 14230 (KWP2000)) Single Wire CAN (GM 33.3 kbps, Fiat/Dodge 50 kbps) ISO 15765 CAN (including WWH-OBD, GMLAN, VW TP2.0) @ 125/250/500 kbps Medium Speed CAN @ 125/250/500 kbps J1939-13 Type 2 TTL CAN 2- or 3-wire install support (for older vehicles/asset tracking) <b>Input/Output</b> Buzzer LEDs — Ignition, GPS, Cellular IOX (more details below) Internal GPS/Cellular antennas	<b>Environmental and EMC</b> <b>Operating Temperature</b> –40 to +85 °C <b>SAE J1455</b> Thermal Shock (Section 4.1.3.2) Humidity cycle (Section 4.1) Temperature Cycle (Section 4.2) Mechanical Vibration (Section 4.10) Operational Shock, Transit drop, Handling Drop (Section 4.11.x.x) Inductive Switching, Burst Transients, Starter Motor Engagement (Section 4.13.2.2.1) Coupled Transients (Section 4.13.2.2.2) Electrostatic Discharge Handling, operational and non-operational (Section 4.13.2.2.3) Radiated Immunity Radiated and Conducted Emissions
	<b>Cellular</b> <b>G09 LTE ATT</b> LTE (CAT-1): Bands 2/4/5/12, 3G: Bands 2/5 <b>G09 LTE TMO (BETA)</b> Single Mode LTE (CAT-1): Bands 2/4/12 <b>G09 LTE VZW</b> Single Mode LTE (CAT-1): Bands 4/13 3GPP Compliant <b>GPS Receiver</b> 72-channel engine (GPS/GLONASS) Under 1 second Time-To-First Fix for hot and aided starts Concurrent GPS & GLONASS system A-GNSS Accuracy: ~2.5 m FW upgrade in the field possible <b>I/O Expandability Support (IOX)</b> Supports a combination of up to five of the following: Driver ID Hours of Service (HOS) Garmin Iridium Satellite AUX — 4 per IOX (Digital or Analog) Serial Port and Additional CAN for third-party device integration Driver Feedback via external Buzzer and GOTALK Substance Spreader Relay control Alert	<b>Accelerometer &amp; Gyroscope</b> 3D accelerometer and 3D gyroscope. Full-scale acceleration range of $\pm 8g$ and an angular rate range of $\pm 250$ dps Acceleration and angular rate output data rate of 1.66 kHz <b>Mechanical</b> <b>Weight:</b> 70 g (0.15 lb) <b>Dimensions:</b> 75 mm L x 50 mm W x 23 mm H <b>Housing:</b> Flame retardant black ABS <b>Compliance</b> <b>Standards:</b> FCC, IC, PTCRB <b>Carriers:</b> T-Mobile, AT&T, Verizon <b>Over-the-Air (OTA) Support</b> <b>Firmware Updates:</b> For maintenance, new features, and custom applications <b>Parameters:</b> For turning additional features on/off <b>Almanac/Ephemeris Data:</b> For quicker GPS latch <b>In-cab Buzzer</b> <b>Decibel Output:</b> >85 dBA at 10 cm <b>Driver Feedback:</b> Harsh braking, harsh acceleration, harsh corners, over-revving, excessive idling and speeding, engine based seatbelt violations (when available), and custom <b>Test Mode:</b> Diagnostic beeps for validating GPS and wireless connection <b>Voltage Recording</b> Curve-based voltage logging to detect weak batteries, failing alternators, and failing starters. <b>64-Mb Non-volatile Flash Memory</b> <b>Main Data Memory:</b> Up to 80,000 logs in offline mode (out of coverage) <b>Accident Data Memory:</b> Buffer records over 100 minutes of second-by-second data (6,000 logs). Last 72 records (1.2 minutes) are sent instantly on accelerometer-triggered accident-level events. <b>Recording Parameters</b> Patented curve-based GPS/voltage/accelerometer/engine data logging algorithm for fewer, more accurate data points.
<b>Electrical</b>	<b>Voltage</b> 12 V and 24 V systems supported <b>Current</b> (at 12 V) Operating Mode: 60–300 mA Operating mode + IOX: Up to 2 A Sleep mode: 1.5 mA Resettable overcurrent protection to IOX	



Increase your savings and safety even more with add-ons at [Geotab Marketplace](https://www.geotab.com/marketplace)

PS Geotab Go9 (01/22)

## Contact

[www.ejward.com/contact](https://www.ejward.com/contact)



Awarded Contract # 092920-EJW