SimplyFuel Solutions®

An E.J. Ward, Inc. Company

All in one GPS device

Geotab GO9

Expandable telematics and GPS device for fleets

Geotab's GO9 features are designed to help you reduce fleet costs, increase productivity and efficiency, improve safety and strengthen compliance. 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.

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.

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)

GEOTAB
management by measurement

Ward
ELEVATE YOUR PROCESS

Specifications

Interfaces	Engine Management
	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)
	Input/Output
	Buzzer
	LEDs — Ignition, GPS, Cellular
	IOX (more details below)
	Internal GPS/Cellular antennas
Cellular	GO9 LTE ATT
	LTE (CAT-1): Bands 2/4/5/12, 3G: Bands 2/5
	GO9 LTE TMO (BETA)
	Single Mode LTE (CAT-1): Bands 2/4/12
	GO9 LTE VZW
	Single Mode LTE (CAT-1): Bands 4/13
	3GPP Compliant
GPS Receiver	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
I/O Expandability Support (IOX)	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
Electrical	*Voltage:* 12 V and 24 V systems supported
	Current: (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

Voltage Recording	Curve-based voltage logging to detect weak batteries, failing alternators, and failing starters.
Environmental and EMC	Operating Temperature
	-40 to +85 °C
	SAE J1455
	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
Accelerometer & Gyroscope	3D accelerometer and 3D gyroscope. Full-scale acceleration range of ±8g and an angular rate range of ±250 dps
	Acceleration and angular rate output data rate of 1.66 kHz
Over-the-Air (OTA) Support	*Firmware Updates:* For maintenance, new features, and custom applications
	Parameters: For turning additional features on/off
	Almanac/Ephemeris Data: For quicker GPS latch
In-cab Buzzer	*Decibel Output:* >85 dBA at 10 cm
	Driver Feedback: Harsh braking, harsh acceleration, harsh corners, over-revving, excessive idling and speeding, engine based seatbelt violations (when available), and custom
	Test Mode: Diagnostic beeps for validating GPS and wireless connection
64-Mb Non-volatile Flash Memory	*Main Data Memory*: Up to 80,000 logs in off-line mode (out of coverage)
	Accident Data Memory: 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.
Recording Parameters	Patented curve-based GPS/voltage/accelerometer/ engine data logging algorithm for fewer, more accurate data points.
Compliance	*Standards:* FCC, IC, PTCRB
	Carriers: T-Mobile, AT&T, Verizon
Mechanical	*Weight:* 70 g (0.15 lb)
	Dimensions: 75 mm L × 50 mm W × 23 mm H
	Housing: Flame retardant black ABS

SF – Geotab Go9 06/2024

Sourcewell
Awarded Contract

Contact

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