

Geotab GO6 3G: The World's Only Expandable Plug-&-Play Platform



GO6 3G Hardware Device

GO6 3G is a small yet extremely powerful telematics measurement tool. GO6 3G offers state of the art GPS technology, g-force monitoring, IOX expandability, and engine and battery health assessments. Using Geotab's patented tracking algorithm, it accurately recreates the vehicle's trips and analyzes incidents. Like all of Geotab products, GO6 3G offers in-vehicle alerts to notify drivers instantly of infractions. GO6 3G is truly a plug and play technology – it requires no dash mounted antennas and no splicing of wires.

Top Features

- Small form factor device
- Easy plug-and-play installation
- IOX (Input-Output-Expander)
- Intelligent in-vehicle driver coaching
- Breakthrough accident detection and notification
- Ultra-accurate engine diagnostics
- High quality recording (CAN-BUS)
- Live vehicle data
- Fastest GPS acquisition time
- Compatible with Geotab's GPS fleet management software solutions
- Built-in accelerometer

Technical Specifications and Features

Geotab GO6 3G

Compliance	RoHS compliant, lead free
Size	75 mm (L) x 50 mm (W) x 2.3 mm (H)
Weight	70 g (0.15 lb)
Housing	Flame retardant black ABS
Environmental Tests	Operating Temp. -40 °C to 80 °C
32 Mb Non-volatile Flash Memory Store	<ul style="list-style-type: none"> Main Data Memory: Records 4,650 miles (7,500 km) of city driving (40,000 logs). 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.
Engine Management	<p>Diagnostics supported on:</p> <ul style="list-style-type: none"> CAN: ISO 15765 Diesel Engines: SAE J1939 & J1708 Legacy OBD: SAE J1850 PWM/VPW, ISO 9141-2, and ISO 14230 KWP2000. Adapter packs available for GM J2411 protocol vehicles and heavy duty vehicles.
Operating Voltage	8 V to 36 V
Current Consumption	<ul style="list-style-type: none"> Operating Mode: 50 - 500 mA (engine running). Sleeping Mode: 3 mA.
Recording Parameters	Patented, curve-based GPS/voltage/accelerometer/engine data logging algorithm for fewer, more accurate data points.
I/O Expandability Support (IOX)	<ul style="list-style-type: none"> Garmin Iridium Auxiliary – Analogue and Digital Hours of Service (HOS) Serial Port for 3rd party device integration
Over The Air (OTA) Support	<ul style="list-style-type: none"> Firmware: For maintenance, new features, and custom-applications Parameters: For turning additional features on/off Almanac/Ephemeris Data: For quicker GPS latch
In-cab Buzzer	<ul style="list-style-type: none"> Driver Feedback: Harsh braking, harsh acceleration, harsh corners, over-revving, excessive idling and speeding, and engine based seatbelt violations (when available). Test Mode: Diagnostic beeps for system of GPS and wireless connection.

Clock	Internal clock is set by initial GPS latch and counts seconds for time based activity during sleep mode including heartbeat and voltage recording.
Voltage Recording	Curve based voltage logging to detect weak batteries, failing alternators, and failing starters.
Heartbeat	Device wakes out of sleep mode at decaying intervals to send buffered data, such as position and voltage data.
Antennas (GPS and cellular)	Internal
Accelerometer	3-axis accelerometer for low-voltage digital output linear MEMS, housed in an LGA package. Full scale ($\pm 2g$ and $\pm 8g$), capable of measuring accelerations with an output data rate of 100 Hz or 400 Hz.
Installation	Simple plug and play
Intelligent Ignition Detect	Non-engine based ignition detect based on voltage and movement allowing for 2-wire installation. Perfect for older vehicles with no engine information and covert installation for asset recovery.
GPS Receiver	<p><u>NEO-6Q</u></p> <ul style="list-style-type: none"> ▪ Voltage: 2.7 V to 3.6 V ▪ 50-channel u-Blox 6 engine with over 2 million effective correlators. ▪ Under 1 second Time-To-First Fix for hot and aided starts. ▪ SuperSense® Indoor GPS for improved acquisition/reacquisition and tracking sensitivity.
Cellular Module	<p><u>LISA-U200</u></p> <ul style="list-style-type: none"> ▪ Voltage: 3.35 V to 4.2 V ▪ GPRS/Edge: 850/900/1800/1900 MHz ▪ UMTS: FDD I, II, V ▪ Embedded TCP/IP stack ▪ Current Consumption: 1.6 mA idle, 300 mA typical ▪ Certification: R&TTE, CE, GCF, FCC, PTCRB, IC