



GV500

Vehicle OBD Geo Tracker

- Compact design, Plug and Play
- Real-time vehicle status monitoring via the OBDII port.
- Wide Operating Voltage Range: 8 to 32V DC
- Perfect for car insurers and leasing applications



The GV500 is a vehicle locator that connects directly to the OBDII port of vehicles. Its compact design allows for quick and easy installation. Its internal OBD reader allows you to obtain real-time vehicle on-board computer information and transmit it over the GPRS network. It features a high-sensitivity GPS chipset, ensuring fast TTFF (Time to First Fix) and 850/900/1800/1900 quad-band GSM module. Your location can be monitored periodically to a server in real time, or to any other device via SMS. Its built-in 3-axis accelerometer enables motion detection and long battery life using sophisticated power-saving algorithms. System integration is simple, as complete protocol documentation is provided @Track with all its functions. The @Track protocol supports a wide variety of reports, including emergency alerts, geographical barrier transfers, low battery alert, periodic GPS positions, GSM network information such as Cell ID, as well as many other advanced tracking features.

Advantages



- OBDII port connection for easy installation
- Quad GSM/GPRS 850/900/1800/1900 MHz
- Wide Operating Voltage Range: 8 to 32V DC
- Internal chipset u-blox
- Low power consumption, long standby time with internal battery
- Integrated with all the functions of the @Track protocol
- Built-in 3-axis accelerometer for energy saving and motion detection technology
- GSM Internal Antenna
- GPS Internal Antenna
- CE/E-Mark certified

GV500

Vehicle OBD Geo Tracker



GSM Specifications

Frequency	Quad-Band: 850/900/1800/1900 Mhz Compatible with GSM Phase 2/2+ -Class 4 (2W x 850/900 MHz) -Class 1 (1W x 1800/1900 MHz)
Gprs	GPRS multi-slot class 12 GPRS class B mobile station
RMS phase error	5 deg
Maximum RF output power	GSM850/GSM900: 33.0-2 dBm DCS/PCS: 30.0.2 dBm
Dynamic input range	-15 x -108 dBm
Reception sensitivity	Class II. RBER 2% (-107 dBm)
Frequency stability	< 2.5 ppm
Maximum frequency deviation	0.1 ppm

GPS Specifications

Chipset GPS	All-In-One u-blox receiver
Sensitivity	Autonomous: -147 dBm Readquisition: -160 dBm Tracking: -162 dBm
Position accuracy	Autonomous: <3m SBAS: 2.0m
TTFF (Clear Sky)	Cold start: 25s on average Warm start: <25s Hot start: <1s

Interfaces

OBDII port	Allows reading of OBDII port information and feeds the equipment Supported protocols: J1850 PWM, J1850 VPW, ISO 9141-2, ISO 14230, ISO 15765, J1939, CAN_USER1, CAN_USER2, VW TP2.0
GSM antenna	Internal
GPS antenna	Internal
Led	CEL, GPS and OBD
Mini USB port	Mini USB port for configuration and upgrade.

General Specifications

Dimensions	48 mm*25 mm*48 mm
Weight	42gm
Backup battery	Lithium Polymer 250 m)
Standby time	Unreported: 56 hours Reporting every 5 minutes: 27 hours Reporting every 10 minutes: 36 hours
Operating Voltage	8V to 32V DC
Operating Temperature	-30oC to +80oC (without battery) -40oC to +85oC for storage (without battery)

Communications Protocol

Transmission protocol	TCP, UDP, SMS
Scheduled location reports	The position report follows the predefined interval To Get the Gps position and the sending time of the report
OBDII disconnect alarm	OBDII Port On/Off Alarm
Geo fences	5 geographical barriers can be defined
Low-energy alarm	Sending alarm when battery level is low
Ignition report	Report when the device is turned on
Towing alarm	Alert based on 3-axis accelerometer motion detection