



- Multiple I/O Interfaces
- RS232/RS485 Serial Ports
- Molex Audio Interface
- CAN and J1708 Bus Port
- 1-wire Interface
- RF 433.92 MHz
- BLE 4.0 (Optional)
- RPM Detection
- OTA Control
- Scheduled Timing Report
- Geo-fences
- Crash Detection
- Driving Behavior Monitoring
- Fuel Level Monitoring
- Support Temperature Sensor
- Driver ID Identify

GV800 Series

Flagship fleet trackers offering support for a wide variety of external peripherals and I/O options including RF short range RF wireless communication

- 136g
- 123mm(L) × 80mm(W) × 21mm(H)
- 30°C ~ +80°C
- Operating Voltage: 8V to 32V DC
Lithium-ion, 3.7V, 1100 mAh

The GV800 series includes two models which support RF short frequencies wireless communication. The devices include multiple I/O interfaces that can be used for monitoring or controlling external devices, including digital I/Os, serial ports, CAN Bus interfaces and a 1-wire interface.



GV800 Series Models

	Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
GV800WG	Worldwide	GSM 850/900/1800/1900 MHz WCDMA 850/1900/2100 MHz	Qualcomm Gen 8C GNSS receiver	Autonomous: < 2.5m	CE/FCC
GV800G	Worldwide	GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	CE/FCC

Multiple Interfaces



Digital Inputs	1 positive trigger input for ignition detection 5 negative trigger inputs for normal uses
Digital Outputs	5 digital outputs, open drain, 150 mA max drive current
Analog Inputs	4 analog inputs (0V-32V)
RPM Input	1 PWM interface for RPM detection
Sensor Output	1 DC 5V output for temperature sensor
Power Outputs	3 5V outputs for external accessories
1-wire Interface	Support 1-wire temperature sensor
Serial Ports	2 RS232 ports for external accessories 1 RS485 port for external accessories
CAN Bus and J1708 Bus Port	CAN Bus and J1708 Bus communication
CAN Bus Interfaces	CAN 2.0A/B, SAE J1939, FMS 3.0, D8 line, CAN open, 1-wire CAN, J1708/J1587
Audio Interfaces	1 speaker interface 1 MIC interface Power 5V output for audio
Cellular Antenna	Internal antenna and optional external antenna
GNSS Antenna	Internal antenna and optional external antenna
Bluetooth Antenna (Optional)	Internal only
LED Indicators	CEL, GNSS, PWR, CAN
Wireless Accessories (Optional)	Panic button, temperature sensor, temperature and humidity sensor