



- 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
- RPM Detection
- OTA Control
- Scheduled Timing Report
- Geo-fences
- Crash Detection
- Driving Behavior Monitoring

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, 1100mAh

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 with a 1-wire interface



GV800 Series Models

	Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
GV800G	Worldwide	GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m SBAS: < 2.0m	CE/FCC
GV800WG	Worldwide	GSM 850/900/1800/1900 MHz WCDMA 850/1900/2100 MHz	Qualcomm Gen 8C GNSS	Autonomous: < 2.5m SBAS: < 2.0m	CE/FCC

Multiple Interfaces



Digital Inputs	1 positive trigger input for ignition detection 5 negative trigger inputs for normal uses
Digital Outputs	5 open drain outputs, 150 mA max drive current
Analog Inputs	4 analog inputs, 0-30V
RPM Input	1 PWM interface for RPM detection
1-Wire Interface	Used for 1-wire temperature sensor and iButton, etc.
Sensor Output	1 DC 5V voltage output interface for temperature sensor
Power Outputs	Three 5V voltage output interfaces for external accessories
Three Communication Ports	2 RS232 ports for external accessories 1 RS485 port for external accessories
CAN Bus and J1708 Bus Ports	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
Cellular Antenna	Internal antenna and optional external antenna
GNSS Antenna	Internal antenna and optional external antenna
LED Indicators	CEL, GNSS, Power, CAN
Audio Interfaces	Two speaker interfaces Two MIC interfaces Power 5V output for audio
Wireless Accessories (Option)	Panic button, temperature sensor, temperature and humidity sensor, door sensor