



GV600W Series

Rechargeable Trailer Tracking Unit



- 📶 **Wide Operating Voltage Range 8V to 32V DC**
- 📶 **Waterproof IP67 Compliant**
- 📶 **Low Power Consumption, Long Standby Time With Internal Battery**

The GV600W Series are a series of compact waterproof GPS trackers designed for a wide variety of vehicle tracking applications. They have multiple I/O interfaces that can be used for monitoring or controlling external devices, including a 1-wire interface used for temperature monitoring. Their built-in GPS receiver has superior sensitivity and fast time to first fix. Their different models allow the GV600W Series' location to be monitored in real time or periodically tracked by a backend server and mobile devices. System integration is straightforward as complete documentation is provided for the full featured @Track protocol. The @Track protocol supports a wide variety of reports including emergency, geo-fence boundary crossings, external power supply monitoring and scheduled GPS position.



Advantages

- Wide operating voltage range 8V to 32V DC
- Low cost solution for basic tracking
- Multiple I/O interfaces for monitoring and controlling including composite input, ignition detection and peripherals input (TTL)
- 1-wire supporting temperature sensors monitoring
- Internal u-blox chipset
- Embedded full featured @Track protocol
- Internal UMTS/HSPA and GSM antennas
- Internal GPS antenna

GV600W Series

Model No.	Region	Technology	Operating Band (MHz)	Certificate
GV608	Worldwide	GSM	GSM/GPRS:850/900/1800/1900	
GV628W	North America	UMTS/HSPA/GSM	GSM/GPRS: 850/1900 UMTS/HSPA: 850(B5)/1900(B2)	FCC/PTCRB/AT&T
GV648W	Worldwide	UMTS/HSPA/GSM	GSM/GPRS: 850/900/1800/1900 UMTS/HSPA: 850(B5)/850(B6)/900(B8)/1900(B2)/2100(B1)	

RF Specifications

Operating Band	GSM/GPRS: 850/900/1800/1900 MHz UMTS/HSPA: 850(B5)/850(B6)/900(B8)/1900(B2)/2100(B1) MHz
Transmitting Power	GSM/GPRS: 850/900, 33 dBm 1800/1900, 30 dBm UMTS/HSPA: All bands, 23 dBm
HSPA Data Rate	5.6 Mbps upload/7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band, EDGE MCS1-MCS9, 3GPP Release 6

General Specifications

Dimensions	135mm*62mm*38mm
Weight	About 189g
Operating Voltage	DC 8V to 32V
Internal Battery	Li-ion, 3.7V, 5200 mAh 18650 battery cell*2
Standby Time	90-day standby time with 15 minutes online and position reported once per day
Waterproof	IP67 compliant
Operating Temperature	-20°C ~ +60°C -20°C ~ +60°C for storage

GPS Specifications

GPS Chipset	u-blox All-In-One GPS receiver
Sensitivity	Autonomous: -148 dBm Hot start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m SBAS: < 2.0m
TTF (Open Sky)	Cold start: 29s average Warm start: 27s average Hot start: 1s average

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report position and status at preset intervals
Geo-fence	Geo-fence alarm and parking alarm, support up to 20 internal geo-fence regions
Low Power Alarm	Alarm when backup battery is almost exhausted
Power On Report	Report when the device is powered on
Special Alarm	Special alarm based on the digital/analog inputs
Remote Control	OTA control of digital outputs

Interfaces

Digital Inputs	One positive trigger for ignition detection
Analog Inputs	One analog input (0 ~ 30V)
1-Wire	Support 1-wire temperature sensor
Power Output	3.3V voltage output for external device
Digital Inputs/Outputs	Four negative trigger inputs for normal use or Four open drain outputs 150 mA max drive current
Communication Ports	Two TTL ports
WCDMA/GSM Antennas	Internal antennas
GPS Antenna	Internal antenna
Indicator LED	CEL, GPS, power
Connectors	18 pin waterproof connector



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