

GV600MA

Trailer Tracking Unit



The GV600 series (LTE) includes three ruggedized waterproof GNSS trackers specially designed for trailer, tanker, reefer and flatbed truck tracking. The series supports LTE Cat M1/NB1 network on multiple bands for operation in America, Europe, and Oceania with a fallback to GPRS.

All models within the series include up to a 120-day standby time using an internal rechargeable 5800 mAh battery pack, and support dual external power sources for redundancy.

Standby Time: (15 Min Online per Day)



	Region	Network/Operating Band	GNSS Type	Certificate
GV600W	Global	UMTS/HSPA/GSM GMS/GPRS: 850/900/1800/1900 UMTS/HSPA: 850(B5)/2100(B1)	U-Blox All-in-One Receiver	FCC/PTCRB/AT&T
GV600MA	North America	Cat M1/Cat NB1: LTE FDD: B1/B2/B3/B4/ B5/B8/B12/B13/B18/B19/B20/B25*/B28	U-Blox All-in-One Receiver	FCC/Verizon
GV600MG	Global	LTE TDD: B39 (For Cat M1 Only) EGPRS: 850/900/1800/1900MHz	U-Blox All-in-One Receiver	FCC/Verizon/CE/E-Mark

Tanker Tracking



Trailer Tracking



Flatbed Truck Tracking



- Wide Operating Voltage Range 8V to 32V DC
- IP67 Compliant Waterproof
- Ruggedized Case
- Multiple I/O Interfaces for Monitoring and Control

- 1-Wire Interface Supporting Temperature Sensor
- 1 RS232 Port for External Accessory
- Dual Power Connector
- Support BLE 4.2

Features

GSM Specs (ME, MB)

Frequency: 850/900/1800/1900 MHz

GSM Feature

GPRS multi-slot class 33 (default)

EDGE multi-slot class 33 (default)

LTE Specs

Operating Band

GV600MA: B2/B4/B5/B12/B13

GV600ME: B3/B8/B20

GV600MB: B3/B28

Data Transmission

eMTC (DL) 375 Kbps

eMTC (UL) 375 Kbps

NB1 (DL) 32 Kbps

NB1 (UL) 70 Kbps

GNSS Specs

GNSS Type: u-blox All-in-One GNSS receiver

Sensitivity:

Autonomous: -147 dBm

Hot start: -156 dBm

Reacquisition: -160 dBm

Tracking: -162 dBm

Position Accuracy (CEP): Autonomous: < 2.5m

TTF (Open Sky)

Cold start: 27s average

Warm start: 27s average

Hot start: 1s average

Air Interface Protocol

Transmit Protocol: TCP, UDP, SMS

Scheduled Report: Report position and status based on preset time intervals, distance, mileage or a combination of these settings

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 digital/analog inputs, preset speed and internal 3-axis accelerometer

Remote Control: OTA control of digital outputs

Interfaces

Digital Input

1 positive trigger input for ignition detection

Analog Input: 1 analog input (0V-32V)

1-wire Interface: Support 1-wire temperature sensor (maximum 8 channels)

Power Output: 1 power output (3.3V) for external devices

Digital Inputs/Outputs:

4 negative trigger inputs for normal use, or 4 open drain outputs 150mA max drive current

Serial Port: 1 RS232 port

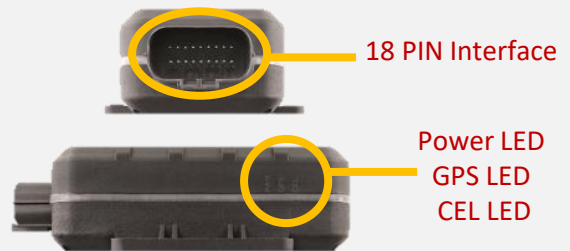
Cellular Antenna: Internal only

GNSS Antenna: Internal only

BLE Antenna: Internal only

LED Indicators: CEL, GNSS, PWR

Connector: 18 pin waterproof connector



General Specs

Dimensions: 138mm(L) x 66mm(W) x 38mm(H)

Weight: 320g

Backup Battery: Li-ion, 3.7V, 5800 mAh, 18650 battery pack

Internal G-sensor: Used for speed alarm and motion alarm

Standby Time: 120 days, report one location and online 15 minutes per day

Waterproof: IP67 compliant

Operating Voltage: DC 8V to 32V

Operating Temperature:

-30°C~+80°C

-40°C ~+85°C for storage

BLE: Support BLE 4.2 protocol