



GV350MG

LTE Cat M1/NB1 advanced vehicle tracker supporting BLE for wide variety of external peripherals and I/O options

75g (2.65oz)

-30°C ~ +80°C



80 x 48 x 25mm
3.15"(L) x 1.89"(W) x 0.98"(H)



Operating Voltage: 8V to 32V DC
Li-Polymer, 250 mAh

BLE 5.0 (Optional)

Multiple I/O Interfaces

1-wire Interface

2 RS232 Serial Ports

J1939 Bus Port

OTA Control

Scheduled Timing Report

Geo-fences

Crash Detection

Driving Behavior Monitoring

Tow Alarm

Fuel Level Monitoring

Support Temperature Sensor

Driver ID Identity

The GV350MG improves on the GV300 based on customer feedback and adds LTE capability to our successful GV300 2G product. The GV350MG's CAN interface can be customized to suit specific protocols required by customers. This interface customization has been utilized in tractor integration and other unique situations with specific CAN requirements. Its built-in BLE allows connectivity to diverse wireless accessories. Heavy trucks supporting J1939 FMS can be integrated with GV350MG and its multiple accessories such as dual fuel sensors, Garmin FMI products, cameras and Queclink's I/O extenders.



Fleet Management



Cold Chain

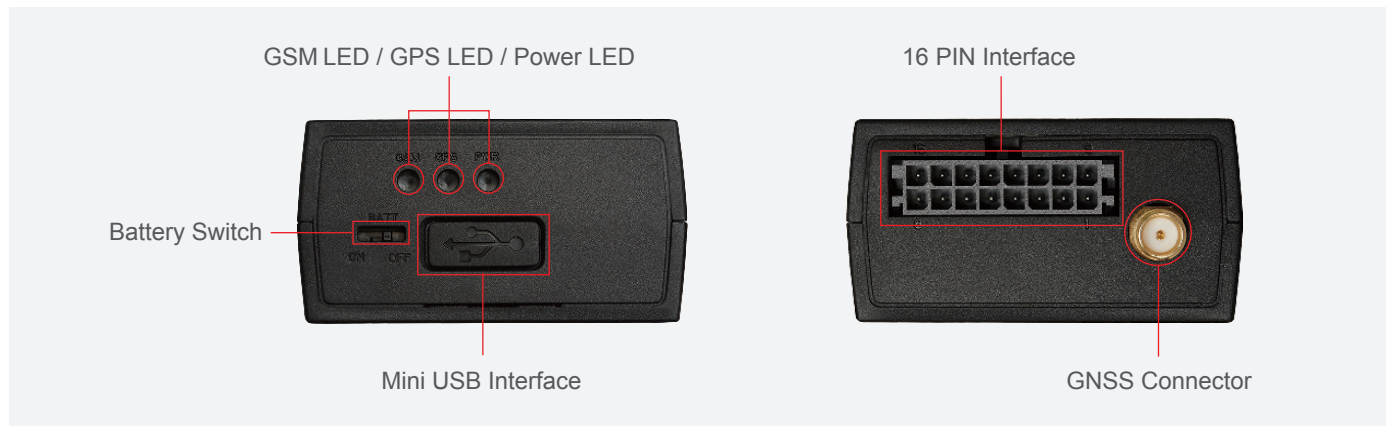


Transportation Monitoring



GV350MG

Region	Network/Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
Worldwide	Cat M1/Cat NB1: B1/B2/B3/B4/B5/B8/B12/B13/B18/ B19/B20/B25/B28 EGPRS: 850/900/1800/1900MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	CE/FCC/Verizon/E-mark/ Anatel

Multiple Interfaces

Digital Inputs	1 positive trigger input for ignition detection 3 negative trigger inputs for normal use
Digital Output	1 digital output, open drain, 150 mA max drive current
Latched Digital Output	1 digital output with internal latch circuit, open drain, 150 mA max drive current
Configurable Input/Output	1 special I/O can be configured as a 0V-32V analogue input or an open drain output with 150 mA max drive current
Serial Ports	2 RS232 serial ports on 16 pin Molex type connector, for external devices (GARMIN protocol support)
CAN Bus Interface	CAN 2.0A/B, SAE J1939
1-wire Interface	Support 1-wire temperature sensor and iButton driver ID(maximum 8 channels)
Cellular Antenna	Internal only
GNSS Antenna	Internal antenna and optional external antenna
BLE Antenna	Internal only
LED Indicators	CEL, GNSS, PWR
Mini USB Interface	Used for upgrading and debugging

Accessories

1-wire Temperature Sensor



1-wire temperature sensor (DS18B20)
Cable length: 8m

Ultra Sonic Fuel Sensor UFS300



Ultra Sonic Fuel Sensor
Operating voltage: 9V-36V DC
Measurement range: 5cm - 100cm
Level accuracy: $\pm 0.5\%$
IP rating: IP66 (detector)
Output interface:
- RS232 Interface: Baud rate: 19200

CAN100_STD



Decodes information from vehicle bus (CAN bus and J1708) for tracking device
Power supply voltage: 7V to 36V
Current consumption (operating mode @12V) 6.5mA
Current consumption (operating mode @24V) 4mA
Current consumption (sleep mode) below 1mA
Output current (outputs OUT1, OUT2, OUT3) 50mA
Operating temperature: -40°C to +80°C
Serial port: RS232 compatible



CAN Click 5V

Accessory for use with CAN100 STD
It allows to connect CAN100 to vehicle's CAN bus without cutting or soldering the cables.
Operating voltage: 5V

GV350MA_J1939_cable_9PIN



SAE J1939 9pin cable compatible with Queclink GV350 LTE series for diagnostic purpose.
Cable length: 1.5M

RS232 Camera



RS232 camera with power supply
Power supply input voltage: 10-24V
Communication baud rate: 115200
Camera lens: 2.8mm infrared R940 light
Angle of view: 110°
Wire length: 2m
Pixel: 300k

DR102



RFID reader kit
Parts list:
RFID reader x1; RS232 interface
RF card x2

iButton Kit without AC100



Used for driver ID identification (Dallas keys)
Parts list: iButton reader x 1pc; 1-wire interface
iButton (with handle) x 2pcs
Cable length: AC100 1M; iButton reader 18cm

RFID Card



RF card for use with DR102
Conform to ISO 14443A

iButton



iButton with handle (Dallas keys)
Be used with iButton reader

Active_Buzzer_1M



Active buzzer with 1m cable
Can be driven by the digital output on GV350LTE Series devices

Relay with Socket



Cable length: 14.5cm
NO/NC 40A/30A (14V DC)
With internal freewheeling diode

Antenna_GPS_SMA_3M



GPS active antenna with SMA type
RF connector
Cable length: 3m