



# GV75MG

LTE Cat M1/NB1 waterproof advanced GNSS tracker for motorcycle, quad bikes, watercraft and heavy machinery applications

Weight: 110g (3.88oz)

Dimensions: 102 × 46 × 20.5mm  
4.02" (L) × 1.81" (W) × 0.81" (H)

Operating Temperature: -30°C ~ +80°C

Operating Voltage: 8V to 32V DC  
Li-Polymer, 700 mAh

- IP67 Waterproof
- Multiple I/O Interfaces
- Zero Power Consumption
- OTA Control
- Scheduled Report
- Geo-fences
- Crash Detection
- Driving Behavior Monitoring
- Up to 10,000 Buffer Messages

The GV75MG is the LTE version of the GV75W motorcycle tracker. The product's dependability brings peace of mind to motorcycle owners around the world. It features Queclink's revolutionary zero power consumption, allowing bikers to leave their motorcycles unattended for long periods of time without having to worry about a flat battery. The product's waterproof and dustproof enclosure makes it suitable not only for motorcycles but also for quad bikes, watercraft and heavy machinery.



## GV75MG

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

## Appearance



## Interfaces

|                        |  |
|------------------------|--|
| Digital Inputs         | 2 digital inputs including<br>1 positive trigger input for ignition detection<br>1 negative trigger input 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                                       |
| Serial Port            | 1 RS232 serial port used for external devices  |
| Cellular Antenna       | Internal only  |
| GNSS Antenna           | Internal only  |
| LED Indicators         | CEL, GNSS, PWR   |

## Accessories

**WTS100**

433.92MHz Wireless Temperature Sensor

**WTH100**

433.92MHz Wireless Temperature and Humidity Sensor

**WPB100**

433.92MHz Wireless Panic Button

**WRT100**

The WRT100 is a transceiver based on 433.92MHz radio frequency. It's required for wireless communication between 433.92MHz wireless accessories such as WTS 100/WTH100/WPB100 and Queclink products.

**1-wire Temperature Sensor Kit**

Parts list: AC100  
Cable length: 1m;  
1-wire temperature sensor  
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

**DR102**

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

**iButton Kit**

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

**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

**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

**EIO100**

Expander for input and output can connect with tracking device through UART or 1-Wire  
Digital input x4 Digital output x 4  
Cable Length: 1.2m

**AC100 Kit**

RS232 to 1-wire conversion cable  
Cable length: 1m

**GV75\_PWR\_RS232\_Kit**

This kit includes the data cable and power supply Part list: Data\_Cable\_DB9\_RS232;  
Power\_Supply\_12V\_US\_DCJACK; GV75\_UART\_PWR\_Convert\_Cable