

GV75CG

LTE Cat 1/2G rechargeable waterproof tracking device supporting BLE 5.2

- LTE Cat 1
- IP67
- BLE 5.2



The GV75CG is the LTE Cat 1 & 2G version of the GV75W motorcycle tracker. Its reliability gives peace of mind to motorcycle owners worldwide. With Queclink's zero power consumption technology, bikes can be left unattended for long periods without draining the battery. Its waterproof and dustproof design suits not only motorcycles but also quad bikes, watercraft, and heavy machinery. The wide 9–90V input range supports various electric vehicles, including e-bikes, scooters, and golf carts.

- Multiple I/O Interfaces
- RS232 Port
- DC 9-90V
- Zero Power Consumption
- Up to 10,000 Buffer Messages
- Crash Detection
- Driving Behavior Monitoring
- Jamming Detection

Applications

Motorcycle Monitoring



Watersports Tracking



Asset Tracking



General Specifications

Dimensions	95(L) × 52(W) × 18.3(H) mm
Weight	141.5 g (4.99 oz)
Backup Battery	Li-Polymer, 3.7V, 1100 mAh
Operating Voltage	9 ~ 90V DC
Operating Temperature	-30°C ~+70°C -40°C ~ +80°C for storage
Zero Power Consumption	Vehicle battery drain prevention when ignition is off. Typical<0.7mA@12V
Buffer Messages	UP to 10,000 buffer messages
Waterproof	IP67
Region	Global
Certification	CE, Anatel, FCC

LTE Specifications

Operating Band	LTE Cat 1 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28
Data Transmission	LTE-FDD: Max 150Mbps(DL)/Max 50Mbps(UL)

GSM Specifications

Frequency	850/900/1800/1900MHz
Data Transmission	EDGE: (DL)236.8Kbps/(UL)236.8Kbps GPRS: (DL)85.6Kbps/(UL)85.6Kbps

GNSS Specifications

GNSS Type	u-blox All-in-One GNSS receiver
Sensitivity	Cold start: -148 dBm Hot start: -160 dBm Tracking: -167 dBm
Position Accuracy (CEP)	Autonomous: <2.0m
TTFF (Open Sky)	Cold start: 24 seconds average Hot start: 1 second average

Interfaces

Digital Input	1 x positive trigger input for ignition detection
Digital Output	1 x digital output, open drain, 150 mA max drive current drain
Configurable Digital Output/Digital Input	1 x configurable digital output/digital input
Latched Digital Output	1 x digital output with internal latch circuit, open drain, 150 mA max drive current drain
Serial Port	1 x RS232 serial port used for external devices
Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicators	CEL, GNSS, PWR
Micro USB Interface	Internal only / Used for configuration, upgrade and debug

Air Interface Protocol

Transmission Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals, distance, mileage or a combination of these settings
Geo-fences	Geo-fence alarm and parking alarm, support up to 20 internal geo-fence regions
Special Alarm	Special alarm based on digital/analog inputs
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
Tow Alarm	Alarm for tow event in ignition-off state
Driving Behavior Monitoring	Aggressive driving behavior detection, including harsh braking, acceleration, etc.
Crash Detection	Accident data collection for reconstruction and analysis
Remote Control	OTA control of digital outputs
Jamming Detection	Alert based on interference detection
MQTT	Report data to the MQTT server
TLS	TLS Data Encryption,supported TLS1.2