Queclink
WIRELESS SOLUTIONS

GL501MG

LTE Cat M1/NB1 waterproof GNSS tracker supporting BLE 4.2 with up to 1 year standby time

5.29oz (150g)
6.0oz (170g)
(magnet-mounted version)

3.43"(L) × 2.01"(W) × 1.18"(H)
(87 × 51 × 30mm)
3.43"(L) × 2.01"(W) × 1.32"(H)
(87 × 51 × 33.5mm)(magnetic case mounting version)

-25℃ ~ +60℃

Li-Polymer 3.7V/2400 mAh

Standby Time:

1 Report/ Day ▦▦▦▦▦▦▦▦▦▦▦▦▦▦▦▦▦▦▦ 1 year

- 🔧 Rapid & Covert Installation
- 🔋 1 Year Standby Time
- ⚡ Supports Wireless Charging
- 📡 OTA Control
- 📊 Scheduled Timing Report
- ⛓ Geo-fences
- 💧 IP67 Waterproof
- 📳 Vibration Feedback
- ⚠ Low Power Alarm
- ⏰ Wakeup Report
- 📶 Motion Detection
- 🔘 Automatic Mode Switching
- 🌡 Temperature Monitoring
- 🔨 Tamper Detection
- 🧲 Magnetic mounting (Optional)
- 🐄 Use with Animal Collars
- ✳ BLE 4.2

GL501MG is a waterproof GNSS tracker that features up to 1-year standby time powered by internal batteries and supports wireless charging. The device is ideal for lot management and other tracking applications that require real-time monitoring on temperature and light. It's buit-in Bluetooth can be used for data transmission. GL501MG supports LTE Cat M1/NB1 network on multiple bands for operation globally with a fallback to EGPRS.

📍 Lot Management

📍 Asset Monitoring

📍 Pharmaceutical Transportation

International Telematics Solutions Innovator

GL501MG

Region	Network/Operating Band	GNSS Type	Position Accuracy (CEP)
Worldwide	LTE Cat M1/NB1☒ LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28 LTE TDD: B39 (for Cat M1 only) EGPRS: 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m

Appearance

STATUS LED / GPS LED

Light Sensor

Power Button

Light Sensor

Optional Magnet Holder

Interfaces

Power Button	Used for power on/off and working status checking
LTE Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicators	GNSS, Battery charging and discharging status

Air Interface Protocol

Command Set	@Track protocol command
Transmit Protocol	TCP, UDP, SMS
Working Modes	Power saving mode for long standby time Continuous mode for emergency tracking
Scheduled Timing Report	Report position and status at preset time intervals
Geo-fences	Support up to 5 internal geo-fence regions
Low Power Alarm	Alarm when internal battery is low
Wakeup Report	Report when the device wakes up
Motion Detection	Motion detection based on internal 3-axis accelerometer
Reporting Frequency Adjustment	Intelligent adjustment of reporting frequency