Queclink

LTE Cat M1/NB2	LTE Cat M1/NB2 with 2G Fallback
	*BLE 5.0 (Optional)
	Rapid & Covert Installation
	7 Years Standby Time
	OTA Control
	Scheduled Timing Report
	Geo-fences
	Waterproof
	Vibration Feedback
	Low Power Alarm
	Wakeup Report
	Motion Detection
	Automatic Mode Switching
	Temperature Monitoring
	Tamper Detection
	Magnetic mounting (Optional)
	Use with Animal Collars
	Up to 10,000 Buffer Messages
	*Support Queclink SVR protocol (Optional)

GL520MG

LTE Cat M1/NB2 waterproof GNSS tracker with up to 7 years standby time

	140g (4.94oz) 160g (5.64oz) (magnetic case mounting version)		87 × 51 × 30mm 3.43''(L) × 2.01''(W) × 1.18''(H) 87 × 51 × 33.5mm 3.43''(L) × 2.01''(W) × 1.32''(H) (magnetic case mounting version)
	-20℃ ~ +60℃		3 CR123A lithium batteries, 1400 mAh

*Standby Time:

1 Report/ Day (GNSS on)	/////////////////////////	5 Years
1 Report/ Day (Cell ID Only)	/////////////////////////	7 Years

The GL520MG is an easy-to-deploy asset tracker built on Queclink's innovative power management technology. It lasts for up to seven years and features one of the longest battery lives among devices of its size in the market. The built-in light sensors make the product sensitive to tamper attempts and its waterproof design allows it to be used in harsh environments. With internal temperature and light sensors, the product is ideal for a wide range of environmental monitoring applications such as cold chain logistics, warehouse management, cargo trucking, high-value static asset monitoring and more. The GL520MG supports several mounting alternatives which use unique clip on design to securely attach the device to any asset.

Cold Chain

Asset Monitoring

Pharmaceutical Transportation

GL520MG

Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
Worldwide	**Cat M1:** LTE-FDD: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/B25/B26/ B27/B28/B66/B85 **Cat NB2:** LTE-FDD: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/B25/B28/ B66/B71/B85 **EGPRS:** 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m	CE, FCC

Appearance

STATUS LED / GPS LED

Light Sensor

Power Button

Light Sensor

Optional Magnetic Bracket

Interfaces

Power Button	Used for power on/off and working status checking
LTE Antenna	Internal only
GNSS Antenna	Internal only
*BLE Antenna (Optioinal)	Internal only
LED Indicators	GNSS, Status

Air Interface Protocol

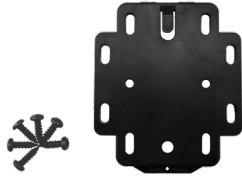|	
Command Set	@Track protocol command
Transmit Protocol	TCP, UDP, SMS
Working Modes	Power saving mode for long standby time
Continuous mode for emergency tracking	Report position and status at preset time intervals
Scheduled Timing Report	Report position and status at preset time intervals
Geo-fences	Support up to 20 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
*Support SVR protocol (Optional)	Support stolen vehicle recovery function base on BLE 5.0

*Notes:
1. The standby time is estimated under the condition of operating with LTE CAT M1/NB-IoT and the CSQ is greater than 15, working at a constant ambient temperature of 25°C and reporting once a day without any sensors.
2. The battery life estimation is based on LTE CAT M1/NB-IoT Connectivity and may be influenced by several factors such as network coverage, report sent interval, ambient temperature, sensors' setting, peripherals, installation location and orientation, etc. If you're interested in power consumption calculation of our device, please contact with our sales or FAE to get more information.

Accessories

GL500M Magnetic Mounting Bracket

It's used for mounting GL500 and GL501 LTE series

GL500M Mounting Bracket

It's used for mounting GL500 and GL501 LTE series

GL500M Battery Pack

Lithium Battery Pack 1400mAh 9V 12.6Wh 3-Cells

WTH301

BLE temperature and humidity sensor