



GL501 Series (LTE)

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



- 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

	5.29oz (150g)		3.43"(L) × 2.01"(W) × 1.18"(H)
	6.0oz (170g) (magnet-mounted version)		3.43"(L) × 2.01"(W) × 1.32"(H) (87 × 51 × 33.5mm)(magnetic case mounting version)
	-25°C ~ +60°C		Li-Polymer 3.7V/2400 mAh

Standby Time:

1 Report/ Day 1 year

GL501 series (LTE) includes two waterproof GNSS trackers that feature up to 1-year standby time powered by internal batteries and supports wireless charging. The series is ideal for lot management and other tracking applications that require real-time monitoring on temperature and light. It's built-in Bluetooth can be used for data transmission. The GL501 series supports LTE Cat M1/NB1 network on multiple bands for operation globally with a fallback to EGPRS.



Lot Management



Asset Monitoring



Pharmaceutical Transportation

GL501 Series Models (LTE)

Region	Sub Model	Certificate	Network/Operating Band	GNSS Type	Position Accuracy (CEP)
North America	GL501MG_S	FCC/Sprint	Cat M1/Cat NB1: LTE FDD: B1/B2/B3/B4/B5/ B8/B12/B13/B18/B19/B20/ B25*/B28	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m
Worldwide	GL501MG	FCC/Verizon/ PTCRB/AT&T/CE (Planned)	LTE TDD: B39 (For Cat M1 Only) EGPRS: 850/900/1800/1900MHz		

* B25 is supported on GL501MG_S.

Appearance



Interfaces

Power Button	Used for power on/off and switch of device working mode
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

Accessories



BLE temperature and humidity sensor



Wireless Charger Accessories Kit_US

This Kit includes the Type-C USB cable, USB charger and wireless charger. It's used for device charging

Parts list:

GL501_Type-C USB cable

Cable length: 100mm; Color: white

GL501MG_USB charger For US

Model: RCL-U050100C

AC:100-240V; DC:5V-1A; Color: white

GL501MG_Wireless charger

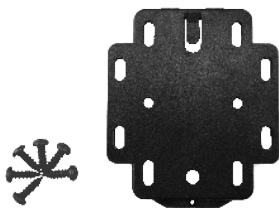
Model: RCL-WXC5WF

Input: 5W~1A; Output: 5V-800~1000mA



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