



GL500 Series (LTE)

LTE Cat M1/NB1 waterproof GNSS trackers with up to 7 years standby time

4.94oz (140g) 5.64oz (160g) (magnetic case mounting 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)

Standby Time:

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

- 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

GL500 series (LTE) includes three waterproof GNSS trackers that feature an up to 7 years standby time powered by internal batteries. The series is ideal for a range of tracking applications that require real-time monitoring on temperature and light. GL500 series (LTE) supports LTE Cat M1/NB1 network on multiple bands for operation globally with a fallback to EGPRS.



GL500 Series Models (LTE)

Region	Sub Model	Certificate	Network/Operating Band	GNSS Type	Position Accuracy (CEP)
North America	GL500MA	FCC/PTCRB/Verizon/AT&T	Cat M1/Cat NB1: LTE FDD: B1/B2/B3/B4/ B5/B8/B12/B13/B18/ B19/B20/B25*/B28 LTE TDD: B39 (For Cat M1 Only) EGPRS: 850/900/1800/1900MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m
	GL500MG_S	FCC/Sprint			
Worldwide	GL500MG	FCC/Verizon/PTCRB/AT&T/CE (Planned)			

* B25 is supported on GL500MG_S.

Appearance



Interfaces

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

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