



GL505

Waterproof shadow tracking device with more than 1800 days battery life

140g	118mm(L) × 69.5mm(W) × 26.8mm(H)
-20°C ~ +60°C	CR123A Lithium Battery Pack, 1500 mAh

Standby Time:

1 SMS Report/Day		1950 Days (> 5 Years)
1 TCP Report/Day		1800 Days (≈ 5 Years)
4 TCP Reports/Day		510 Days (> 1 Year)
5 Min TCP Reporting		11 Days

- Rapid Installation
- Covert Install
- IPX7 Waterproof
- Power Saving Mode
- Continuous Mode
- OTA Control
- Scheduled Timing Report
- Geo-fences
- Motion Detection
- Wakeup Report
- Low Power Alarm

The GL505 is a waterproof GNSS tracker that is designed for fixed asset tracking applications. The model is powered by an internal battery pack allowing more than 1800 days standby time. It supports a flexible switch between continuous mode (real time monitoring) and power save mode which periodically confirms asset status.



GL505

Region	Operating Band	GNSS Type	Position Accuracy (CEP)	Certificate
Worldwide	GSM 850/900/1800/1900 MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m SBAS: < 2.0m	CE/FCC

Optional Accessory

Optional Magnetic Holder Kit to Fix the Device

**Interfaces**

GSM Antenna	Internal only
GNSS Antenna	Internal only
LED Indicators	GSM, GNSS, battery status
Serial Port	Internal 8 pin connector for upgrading and debugging

Air Interface Protocol

Command Set	@Track protocol command
	Simple SMS 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
Motion Detection	Motion alarm trigger and optional change of working mode
Wakeup Report	Report when the device wakes up