

GL530MG SPECIFICATIONS

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

LTE Specifications

Operating Band	LTE Cat M1/NB2 Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/ B27/B28/B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/ B28/B66/B71/B85
Data Transmission	eMTC (DL) 348kbps eMTC (UL) 1.08Mbps NB2 (DL) 121kbps NB2 (UL) 150kbps NB1 (DL) 74.1kbps NB1 (UL) 101kbps

GNSS Specifications

GNSS Type	u-blox All-in-One GNSS receiver
Sensitivity	Autonomous: -147 dBm Hot Start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m
TTFF (Open Sky)	Cold start: 27s average Warm start: 27s average Hot start: 1s average

EGPRS Specifications

Frequency	EGPRS 850/900/1800/1900 MHz
Data Transmission	GPRS 107 Kbps(DL)/ 85.6 Kbps(UL) EDGE 296 Kbps(DL)/ 236.8 Kbps(UL)

Interfaces

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

General Specifications

Dimensions	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)
Weight	140g (4.94oz) 160g (5.64oz) (magnetic case mounting version)
Backup Battery	3 CR123A lithium batteries, 1400 mAh
Standby Time	1 report per day (GNSS on): 5 years 1 report per day (cell ID only): 7 years
Waterproof	IP67 compliant
Operating Temperature	-20°C ~ +60°C
Internal Temperature Sensor	For temperature monitoring Accuracy: ±1°C
Internal Light Sensor	For tamper detection
Internal Motor	For vibration feedback after successful operation of function button
Magnetic Mounting Case (Optional)	For easy installation on metal surface

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 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



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