Queclink | Asset Tracker

Learn more here!

GL530MG

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



- **LTE Cat M1/NB2 with 2G Fallback**
- **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**
- **Ambient Light Monitoring**
- **Tamper Detection**
- **Magnetic mounting (Optional)**
- **Use with Animal Collars**

The GL530MG is the upgraded LTE Cat M1/NB2 version of GL500MG. It integrates the latest low-power wide area network standards and covers a broader area, making it more flexible to deploy. It 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 GL530MG supports several mounting alternatives which use unique clip on design to securely attach the device to any asset.

Asset Monitoring



Cold Chain



Pharmaceutical Transportation



*Note:
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, reporting once a day without any sensors, where GNSS signal is strong enough and under open sky.
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.

Queclink | SPECIFICATIONS

General

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
Region	Worldwide
Certificate	CE, FCC, PTCRB

EGPRS

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)

GNSS

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

LTE

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

Interfaces

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