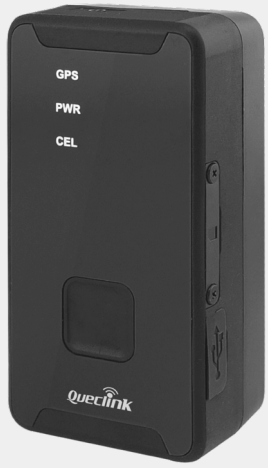
Learn more here!

GL320MG

LTE Cat M1/NB2 GNSS tracker with a user-friendly panic button for personal safety management and asset monitoring applications

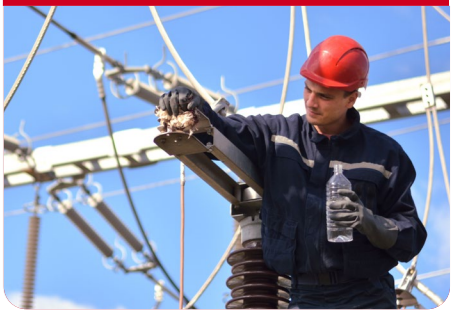


- **LTE Cat M1/NB2 with 2G Fallback**
- **Rapid Installation**
- **Emergency Button**

- **Water Resistant**
- **OTA Control**
- **Scheduled Report**
- **Geo-fences**
- **Motion Detection**
- **Ignition Detection**
- **Vibration Feedback**
- **Low Power Alarm**
- **Use with Animal Collars**
- **Up to 10,000 Buffer Messages**

The GL320MG is the LTE version of our best-selling GL300, which is the most popular series in our range of asset trackers with large deployments worldwide. It is used for a wide range of applications which require real-time location knowledge, such as private investigations, package delivery, temporary tracking of vehicles, long distance transportation, endurance racing and animal management. As one of the market leaders in reliable battery powered asset trackers, our products are targets for imitation, but we are happy to say that up to this day, our GL300 still leads the field in battery life and overall performance.

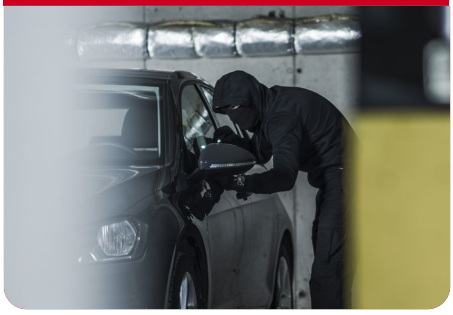
Lone Worker Safety



Asset Monitoring



Stolen Vehicle Recovery



Queclink | SPECIFICATIONS

General

Dimensions	77.9 × 39.9 × 26.7mm 3.07"(L) × 1.57"(W) × 1.05"(H)
Weight	93g (3.28oz)
Internal Battery	Li-Polymer, 2600 mAh
Standby Time	Without reporting: 480 hours 5 min reporting: 260 hours 10 min reporting: 300 hours
Water Resistance	IPX5 Compliant
Charging Voltage	5V DC
External Battery Voltage	3.7V to 4.2V DC
Operating Temperature	-20 °C ~ +60 °C
Buffer Messages	Up to 10,000 buffer messages
Region	Worldwide
Certificate	FCC, CE, Verizon, IC, Orange, Anatel, AT&T, T-Mobile, PTCRB

Interfaces

Digital Inputs	1 positive trigger input for ignition detection 1 negative trigger input for normal use
Power Button	Power on and power off, can be disabled via air interface protocol
Function Button with Vibration Feedback	Emergency alert or instant geo-fence setting
Cellular Antenna	Internal only
GNSS Antenna	Internal only
LED Indicators	CEL, GNSS, PWR
USB Type-C Interface	Used for external power and configuration

LTE

Operating Band	Cat M1: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/ B13/B18/ B19/B20/B25/B26/B27/B28/ B66/B85 Cat NB2: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/ B13/B18/ B19/B20/B25/B28/B66/B71/ B85
Data Transmission	eMTC (DL) 588 Kbps eMTC (UL) 1119 Kbps NB2 (DL) 127 Kbps NB2 (UL) 158.5 Kbps NB1 (DL) 32 Kbps NB1 (UL) 70 Kbps

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

EGPRS

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

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals, distance, mileage or a combination of these settings
Geo-fences	Support up to 20 geo-fence regions
Low Power Alarm	Alarm when battery is low
Power On/Off Report	Report when the device is powered on and off
SOS/Emergency Alarm	SOS alarm via pressing function button
Special Alarm	Special alarm based on digital input
Motion Detection	Motion alarm based on internal 3-axis accelerometer