

# GL533CG

LTE Cat 1 waterproof asset tracker supporting RF433 and BLE



- LTE CAT 1/2G
- 4 Years Battery Life
- IP67 Waterproof
- BLE 5.2
- RF433 Transmission
- Tamper Detection
- Jamming Detection
- Motion Detection
- Battery Level Report
- Up to 10,000 Buffer Messages
- OTA Control

**LTE CAT 1/2G**

**RF433**

**Up to 4-Year**

The GL533CG is a new member of the Queclink Asset Tracker family, using future-proof LTE Cat 1 technology to ensure reliable coverage. Built with Queclink's innovative power management technology, this easy-to-deploy asset tracker has a battery life of up to 4 years. Additionally, the product features a built-in RF433MHz transmitter, which extends the visibility of your asset when GNSS signals are blocked indoors, making it ideal for SVR applications. It also supports BLE for connecting various accessories.

Stolen Vehicle Recovery



Asset Monitoring





<b>Dimensions</b>	87 × 51 × 30mm 3.43(L) × 2.01(W) × 1.18(H)inch
<b>Weight</b>	87 × 51 × 33.5mm 3.43(L) × 2.01(W) × 1.32(H)inch (magnetic case mounting version)
<b>Backup Battery</b>	150g (5.29oz) 170g (5.99oz) (magnetic case mounting version)
<b>Standby Time</b>	3 × CR123A lithium batteries, 1400 mAh
<b>Operating Temperature</b>	Power saving mode(1 report/day): 4 years Emergency mode((1 report/min, RF433 on): 42 hours
<b>Waterproof</b>	-20°C~+60°C (-4°F~140°F)
<b>Buffer Messages</b>	IP67
<b>BLE</b>	Up to 10,000 buffer messages
<b>Region</b>	Support BLE 5.2 protocol
<b>Certification</b>	Except North America
	FCC (Planning) CE (Planning)

## LTE

<b>Operating Band</b>	Cat 1: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28
<b>Data Transmission</b>	LTE-FDD:Max 10Mbps(DL)/Max 5Mbps (UL)

## GSM

<b>Frequency</b>	EGPRS:850/900/1800/1900 MHz
<b>Data Transmission</b>	EDGE:(DL)236.8Kbps/(UL)236.8Kbps GPRS:(DL)85.6Kbps/(UL)85.6Kbps

## GNSS

<b>GNSS type</b>	All-in-One GNSS receiver
<b>Constellation Support</b>	GPS, Glonass, Galileo, Beidou
<b>Sensitivity</b>	Autonomous: -148 dBm Hot Start: -163 dBm Tracking: -165 dBm
<b>Position Accuracy (CEP)</b>	Autonomous: < 2.0m
<b>TTF (Open Sky)</b>	Cold Start: 24s average Hot Start: 1s average

## Connectivity

Model	BLE
Type	2.4GHz

## Interfaces

Function Button Vibration	Used for power on/off and working status checking
Cellular Antenna	Internal only
GPS Antenna	Internal only
RF433 Antenna	Internal only
LED Indicators	GNSS, Status
Micro USB	Used for configuration

## Air Interface Protocol

Command Set	@Track protocol Pro command
Transmit Protocol	TCP, UDP, SMS
Geo-Fences	Support up to 20 internal geo-fence regions
Low Power Alarm	Alarm when internal 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
Jamming Detection	Alert based on interference detection
Motion Detection	Motion detection based on internal 3-axis accelerometer
Tamper Detection	Alarm when device is removed

1. The standby time is estimated under the condition of operating with LTE CAT1 and the CSQ is greater than 15, working at a constant ambient temperature of 25°C, where GNSS signal is strong enough and under open sky.
2. The battery life estimation is based on LTE CAT1 Connectivity and may be influenced by several factors such as network coverage, 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.