GL533CG

Queclink

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

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

LTE

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

GSM

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

GNSS

GNSS type	All-in-One GNSS receiver
Constellation Support	GPS, Glonass, Galileo, Beidou
Sensitivity	Autonomous: -148 dBm Hot Start: -163 dBm Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous: < 2.0m
TTFF (Open Sky)	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.