GL300CG

Conf. 5000

A real-time asset tracker that supports LTE CAT1bis with 2G fallback and IP65



- **LTE CAT 1 bis with 2G fallback**
- **Attractive appearance**
- **Compact form factor**

- **LTE CAT1 bis**
- **IP65 Waterproof**
- **Bluetooth 5.1**
- **Compact Size**
- **Covert Installation**
- **Scheduled Report**
- **Rechargeable Battery**
- **OTA Control**

The GL300CG is a real-time asset tracker supporting LTE Cat 1 bis with 2G fallback and IP65-rated ingress protection, completing our LTE Cat 1 asset tracker portfolio. Designed for real-time asset tracking and security applications, it combines LTE Cat 1 bis with GNSS positioning and Wi-Fi scanning to provide timely location visibility for e-bikes, logistics assets, containers, and other high-value equipment. Powered by a rechargeable battery, the GL300CG supports Type-C charging for flexible deployment and convenient maintenance. With its compact form factor and IP65, it delivers a discreet and reliable tracking solution across diverse environments.

Asset Monitoring



E-bike Anti-theft



Container Tracking



Queclink | SPECIFICATIONS

General

Dimensions	73.62(L) x 41.23 (W) x 25.47(H) mm 2.90"(L) x 1.62"(W) x 1.01"(H) inch
Weight	68g
Battery	Lithium Polymer 1200 mAh (Rechargeable Battery)
Standby Time	WIFI/BLE Off Mode Continue Mode 5 Min Reporting: 5 days 30 Min Reporting: 7days ** LTE, TCP&UDP, WIFI & BLE off, G-sensor on GPS open sky, LTE Cat 1&GPRS CSQ>15, operation temperature 10°C~25°C
Water Resistance	IP65 compliant
Charging Voltage	5V DC
Operating Temperature	-20 °C ~ +60 °C
Buffer Messages	Up to 10,000 buffer messages
Region	Global
Certificate	FCC, CE * Planning

Interfaces

Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicators	GPS (Blue) PWR (Red) CEL (Green)
USB Type-C Interface	Used for external power and configuration

LTE

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

GSM

Frequency	EGSM900/GSM850/DCS1800/ PCS1900
Data Transmission	EDGE:(DL)236.8Kbps/(UL)236.8Kbps GPRS:(DL)85.6Kbps/(UL)85.6Kbps

GNSS

GNSS type	All-in-one receiver
Constellation Support	GPS, Beidou, Galileo, GLONASS Cold start: -148 dBm Hot start: -159 dBm Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous:<1.5m
TTFF (Open Sky)	Cold start: 28s average Hot start: 1s average

Connectivity

Model	BLE
Type	2.4GHz
Remark	BLE 5.1, worked as a BLE gateway to connect accessories like beacon, temperature sensor, door sensor, etc.
Model	Wi-Fi
Type	2.4GHz
Remark	Wi-Fi scanning for in-door positioning or triggering mode switch

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals
Geo-fences	Geo-fence alarm, support up to 5 internal geo-fence regions
Low Power Alarm	Alarm when backup battery is low
Power On/Off Report	Report when the device is powered on
SOS Alarm	Alarm message report triggered by panic button in emergency situation
Remote Control	OTA control of digital outputs
Motion Detection	Motion alarm based on internal 3-axis accelerometer