

GL51CG

Compact LTE Cat 1 GNSS tracker with high-capacity battery — ideal for SVR and asset tracking

- **High-Capacity Battery**
- **Compact Size**
- **Ultra-Low Power**



The GL51CG is a compact GNSS tracker integrated with a high-capacity battery, delivering ultra-long standby performance. Its space-saving form factor facilitates discreet installation at any location within a vehicle—making it an ideal solution for Stolen Vehicle Recovery (SVR) scenarios. Additionally, the device is perfectly suited for a wide range of asset tracking applications, offering reliable positioning and monitoring capabilities for valuable assets.

- **LTE Cat1 only**
- **Impact Sensing**
- **BLE 5.4**
- **Scheduled Report**
- **OTA Control**

Applications

Stolen Vehicle Recovery



Asset Tracking



Auto Finance & Leasing



General Specifications

Dimensions	58(L) x 57.2 (W) x 25.9(H) mm
Weight	102g
Backup Battery	Li-MnO2 Battery, 7000mAh
Standby Time	Continuous Mode Without reporting: 90 days 5 min reporting: 16 days Power Saving Mode 1 Report per Hour: 178 days 1 Report per Day: 2160 days
Operating Voltage	3.0V DC
Operating Temperature	-20°C ~ +60°C
Buffer Messages	Up to 5000 buffer messages
BLE	Support BLE 5.4 protocol
Region	Global
Certification	FCC, CE, RoHS

GNSS Specifications

Constellation Support	BDS, GPS, Galileo, GLONASS, QZSS
Sensitivity	Cold start: -149 dBm Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous: ≤2.0m
TTFF (Open Sky)	Cold start: 29s average Hot start: 1s average

LTE Specifications

Operating Band	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28/B66

Connectivity

Model	BLE
Type	2.4GHz
Remark	BLE 5.4, worked as a BLE accessory.

Interfaces

Cellular Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicators	Red*1

Air Interface Protocol

Scheduled Report	Report position and status based on preset time intervals settings
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
Motion Detection	Motion alarm based on internal 3-axis accelerometer