GL51B

Micro standby asset GNSS tracker with built in BLE

- Micro Size
- Covert Install
- BLE 4.2
- GNSS Positioning
- Base Station Positioning
- Power Saving Mode
- Continuous Mode
- OTA Control
- Scheduled Timing Report
- Low Power Alarm
- Wakeup Report
- Dual Mode Anti-theft Alarm

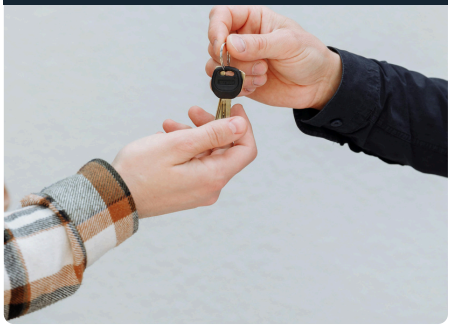
Compact Size | BLE 4.2 | Long Standby Time

The GL51B is the bigger battery version of GL50B. The newly released GL51B is a state-of-the-art micro sized tracking product that has all our customers excited by its possibilities. Smaller than a matchbox, it lasts for up to four years, giving it the longest battery life of any device of its size in the market. The product is an excellent example of Queclink's leading expertise in the design of long standby asset trackers. The product is designed as a "secret weapon" for combatting vehicle theft, helping many of our Latin American customers specializing in SVR to increase their recovery rate. In addition, the product has also proved effective in various applications such as auto financing, asset monitoring, car rental and leasing and more.

Stolen Vehicle Recovery

Asset Monitoring

Automobile Finance



Dimensions	1.84" (L) × 1.65" (W) × 1.06" (H)(46.8 × 41.8 × 26.9mm)
Weight	2.04oz (58g)
Backup Battery	1 lithium manganese dioxide battery, 4400mAh
Standby Time	BLE Off Mode Standby current: < 10 uA SMS reporting standby: 1 SMS report per day: 2100 days (GNSS Location) 1 SMS report per day: 3900 days (Base Station Location) TCP reporting standby: 1 report per day: 1800 days (GNSS Location) 1 report per day: 3600 days (Base Station Location) 4 reports per day: 460 days (GNSS Location) 5 minutes' reporting: 12days (GNSS Location)
	BLE On Mode Standby current: < 12 uA SMS reporting standby: 1 SMS report per day: 1800 days (GNSS Location) 1 SMS report per day: 3400 days (Base Station Location) TCP reporting standby: 1 report per day: 1600 days (GNSS Location) 1 report per day: 2800 days (Base Station Location) 4 reports per day: 450 days (GNSS Location) 5 minutes' reporting: 12days (GNSS Location)
Operating Temperature	-20℃ ~ +60℃
BLE	Support BLE 4.2 protocol
Region	Global Except North America

GSM

Frequency	Quad band GSM/GPRS 850/900/1800/1900MHz Compliant to GSM phase 2/2+ - Class 5（0.8W @ 900 MHz） - Class 1（1W @ 1800 MHz）
GPRS	GPRS multi-slot class 8 GPRS mobile station class B
RMS Phase Error	5 deg
Max RF Output Power	GSM900: 29.0±2 dBm DCS1800: 30.0±2 dBm
Dynamic Input Range	-15 ~ -108 dBm
Receiver Sensitivity	Class II RBER2%（-107 dBm）
Stability of Frequency	< 2.5 ppm
Max Frequency Error	±0.1 ppm

GNSS

GNSS Type	MTK GNSS receiver
Sensitivity	Autonomous: -148 dBm Hot Start: -163 dBm Tracking: -165 dBm
Position Accuracy (CEP)	Autonomous: < 2.5 m
TTFF (Open Sky)	Cold Start: 30s average Warm Start: 30s average Hot Start: 1s average

Interfaces

GSM Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicator	Power on

Air Interface Protocol

Command Set	@Track protocol command
Transmit Protocol	TCP, UDP, SMS
Working Modes	Continuous mode
	Power-saving mode
Scheduled Timing Report	Position and status reports at preset intervals
Low Power Alarm	Alarm when backup battery is low
Wakeup Report	Wake up at preset intervals
Dual Mode Anti-theft Alarm	Alarm when protected device is removed