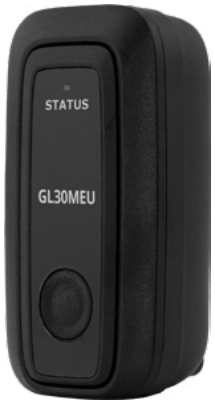


GL30MEU

LTE Cat M1/NB2 Micro Real-Time Asset Tracker

- **BLE 5.2**
- **Small Size**
- **Wi-Fi Scan**



GL30MEU is a micro real-time tracker with LTE Cat M1/NB2 and 2G fallback. It is designed for diverse applications requiring accurate location tracking, such as personal safety, animal management, asset monitoring, and package delivery.

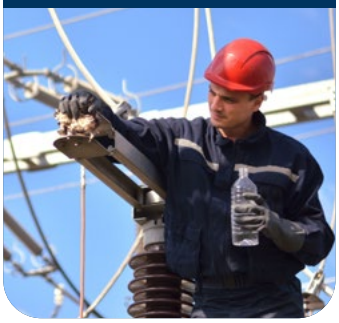
- **LTE CAT M1/NB2 Fallback 2G**
- **IP67 Waterproof**
- **Neighbor Cell Info Report (Location)**
- **Function Button**
- **Internal Buzzer**
- **Up to 10,000 Buffer Messages**
- **Motion Detection**
- **Low Power Alarm**
- **Battery Level Report**
- **Supports OTA Update**

Applications

Asset Monitoring



Personal Safety



Pet Tracking



Sports Tracking



1. The standby time is estimated under the condition of operating with LTE Cat M1/NB2 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 Cat M1 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.

General Specifications

Dimensions	60x31.7x19.66mm 2.36x1.25x0.77inch
Weight	37.6g(1.33oz)
Internal Battery	Li-Polymer 650mAh (Rechargeable Battery)
Standby Time	Continue Mode 5 Min Reporting: 5 days 10 Min Reporting: 8 days Power Saving Mode 1 Report per Hour: 16 days 1 Report per Day: 190 days ** eMTC, UDP, WIFI & BLE off, GPS open sky, LTE Cat M1/NB2 CSQ>15, operation temperature 10 °C ~25 °C
Charging Voltage	5V DC
Waterproof	IP67 compliant
Operating Temperature	-20 °C ~ +60 °C -20 °C ~ +60 °C for storag
Buffer Messages	Up to 10,000 buffer messages
Sensor	Built-in 3-axis Accelerometer
Region	EMEA
Certification	CE(Planning)

Connectivity

Technology	BLE 5.2
Frequency	2.4GHz
Technology	Wi-Fi
Frequency	2.4GHz
Remark	Wi-Fi scanning for in-door positioning or triggering mode switch

LTE Specifications

Frequency	Cat M1: LTE FDD:B1/B3/B8/B20/B28 Cat NB2: LTE FDD:B1/B3/B8/B20/B28
Data Transmission	eMTC (DL) 588kbps eMTC (UL) 1119kbps NB2 (DL) 127kbps NB2 (UL) 158.5kbps NB1 (DL) 34kbps NB1 (UL) 66.6kbps

EGPRS Specifications

Frequency	EGPRS: 900/1800MHz
Data Transmission	EDGE: (DL) 296 Kbps (UL) 236.8 Kbps GPRS: (DL) 107 Kbps (UL) 85.6 Kbps

GNSS Specifications

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

Interfaces

LTE Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
Wi-Fi Antenna	Internal only
LED Indicator	One RGB LED (CELL, Power, GNSS)
Function Button	One Activation/Alarm Key
I/O Interface	5pin magnetic suction interface 2pin for charging 3pin for I/O (can be used for Download and Debug)
Buzzer	Metal Patch Buzzer
SIM	eSIM chip (MFF2 ESIM)

Working Mode

Continuous Mode	11 days @one report per minute, 2 Working hours per day Up to 15 days @ one report per hour
Sleeping Mode	Up to 170 days @ one report per day

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Low Power Alarm	Alarm when internal battery is low
Power On/Off Report	Report when the device is powered on and off
SOS Alarm	SOS alarm via pressing function button
Command Set	@Track protocol command
Working Modes	Power saving mode for long standby time Continuous mode for emergency tracking
Scheduled Timing Report	Report messages at preset time intervals
Geo-Fence Report	Support up to 20 internal geo-fence regions Automatically reports when entering / exiting Geo-Fence
Motion Detection	Motion alarm based on internal 3-axisaccelerometer
OTA Support	Remote configure parameters to change position interval, measurement interval, active/ deactivate sensor, upgrade FW