



GL300 Series (LTE)

LTE Cat M1/NB1 GNSS trackers with a user-friendly panic button for personal safety management and asset monitoring applications

Weight | 3.28oz (93g)

Dimensions | 1.57"(L) x 1.05"(W) x 3.07"(H)
(39.9 x 26.7 x 77.9mm)

Temperature | -20°C ~ +55°C

Battery | Li-Polymer, 2600 mAh

Standby Time:

Without Reporting		480 Hours
5 Min Reporting		260 Hours
10 Min Reporting		300 Hours

- Rapid Installation
- SOS Emergency Button
- Water Resistant
- OTA Control
- Scheduled Timing Report
- Geo-fences
- Motion Detection
- Ignition Detection
- Vibration Feedback
- Low Power Alarm
- Use with Animal Collars

The GL300 series (LTE) includes three GNSS asset trackers that are designed for lone worker, vehicle, pet and asset tracking applications. The ergonomically designed button makes the series ideal for applications requiring rapid emergency alert or instant geo-fencing based on current location. The series supports LTE Cat M1/NB1 network on multiple bands for operation globally with a fallback to EGPRS.



GL300 Series Models (LTE)

Region	Sub Model	Certificate	Network/Operating Band	GNSS Type	Position Accuracy (CEP)
North America	GL300MA	FCC/PTCRB/Verizon/AT&T	Cat M1/Cat NB1: LTE FDD: B1/B2/B3/B4/ B5/B8/B12/B13/B18/ B19/B20/B25*/B28 LTE TDD: B39 (For Cat M1 Only) EGPRS: 850/900/1800/1900MHz	u-blox All-in-One GNSS receiver	Autonomous: < 2.5m
	GL300MG_S	FCC/Sprint			
Worldwide	GL300MG	FCC/Verizon/PTCRB/AT&T/CE (Planned)			

* B25 is supported on GL300MG_S.

Appearance



Interfaces

Digital Inputs	1 positive trigger input for ignition detection 1 negative trigger input for normal use
Power Button	Power on and power off, can be disabled via air interface protocol
Function Button with Vibration Feedback	Emergency alert or instant geo-fence setting
Cellular Antenna	Internal only
GNSS Antenna	Internal only
LED Indicators	CEL, GNSS, PWR
Mini USB Interface	Used for external power and configuration

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals, distance, mileage or a combination of these settings
Geo-fences	Support up to 20 geo-fence regions
Low Power Alarm	Alarm when 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
Special Alarm	Special alarm based on digital inputs
Motion Detection	Motion alarm based on internal 3-axis accelerometer

Accessories

**Power_Supply_CBP_5V1500_USB_V2**

Power supply from vehicle battery
 Output: 5V/1.5A
 Input: DC 10V-36V
 Idle power consumption less than 1mA

**GL200EBK**

GL300 external battery kit
 Parts list:
 Pelican 1020 box
 Power control unit with built-in motion sensor
 External battery 17600 mAh
 Wall charger for external battery
 Frame and cables

**GL-HM3G-V3**

High quality magnetic holder
 IP67 waterproof

**Sheath_GL300W**

A sheath for holding GT301, GL300W or GL300M

**Cable_GL200_External_interface**

A Mini USB cable which is used to wire out the interfaces on the mini USB connector of GL300 series
 Include: external charger, external battery, ignition detection, digital input