



# LL302

## 4G LTE Cat 1 Asset GNSS Tracker



Designed for vehicle & asset tracking, LL302 is a 4G Wireless Asset GNSS Tracker that supports GPS/BDS/LBS/Wi-Fi positioning, light sensor, and multiple alerts for abnormal vibration, low battery, etc. With our cloud platform and mobile App, LL302 is ideal for remote monitoring of users' targets, and it's also suitable for such application scenarios as vehicle rental, fleet management, logistics transportation, etc.



### GPS & BDS & LBS & Wi-Fi Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



### LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



### Tamper Alert

Receive a tamper alert when the light sensor detects device removal.



### Strong Magnetic Base

Near-zero installation; the LL302 tightly and effortlessly fastens to most metal surfaces.



### Vibrating Alert

You'll get notified when the device detects the abnormal vibration of vehicles.



### Multiple Working Modes

Configurable working modes according to your actual demands.



### Temperature/Humidity Sensor

Optional peripherals to monitor temperature and humidity to gain visibility into your operations and help save money.



### Door Status Detection (Optional)

Automatic notification of door openings or unauthorized movements.

#### Vehicle Rental



#### Logistics



#### Asset Tracking



## GNSS

Positioning system	GPS+BDS+LBS+WIFI
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

## Cellular

Communication network	LTE Cat 1/GSM
Frequency	<b>LL302-C:</b> LTE-FDD: B1/B3/B5/B8    LTE-TDD: B34/B39/B40/B41    GSM: B3/B8 <b>LL302-E:</b> LTE-FDD: B1/B3/B5/B7/B8/B20/B28    LTE-TDD: B38/B40/B41    GSM: B2/B3/B5/B8 <b>LL302-L:</b> LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28    LTE-TDD: B40    GSM: B2/B3/B5/B8

## Power

Battery	6,000mAh/3.7V industrial-grade Li-Polymer battery
Working modes	Mode 1: Regular GPS mode Mode 2: Tracking mode Mode 3: Powersaving mode
Standby time	Up to 1 year in power-saving mode

## Interface

LED indication	GNSS (Blue), Cellular (Green), Power (White)
SIM	Micro-SIM
Tamper proof	Light sensor

## Physical specification

Dimensions	95.0 x 59.0 x 29.2mm (with magnet)
Weight	233g (with magnet)

## Operating environment

Operating temperature	-20℃ to +70℃
Operating humidity	5%~95%, non-condensing
IP rating	IPX5

## Feature

Temperature detection	-20℃ to +70℃ (±0.2℃)
Humidity detection	5%~95% (±1%RH)
Sensors	Accelerometer, Light sensor, Temperature & humidity sensor, Hall effect sensor
Scenarios	Low battery alert, Tamper alert, Vibrating Alert