



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 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.



Vehicle Rental



Logistics



Asset Tracking



GPS & BDS & LBS 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)

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.

Standard Configuration

Positioning & Location

Technology	GPS, BDS, LBS
Accuracy	< 2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec; Avg. cold start ≤ 32sec

Cellular

Technology	LTE Cat 1, GSM LL302-EU: LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41
Frequency	GSM: B2/B3/B5/B8 LL302-LA: 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 (rechargeable) Mode 1: Timing mode
Working modes	Mode 2: Intelligent mode Mode 3: Powersaving mode
Battery life	10 to 300 days

Operating environment

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

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (White)
SIM	Micro-SIM
Memory capacity	1000 GPS data entries
Tamper proof	Light sensor
USB	Micro USB
GNSS antenna	Internal
Bluetooth antenna	Internal

Feature

Voice monitoring range	≤ 5m
Sensors	Accelerometer, Light sensor Low battery alert, Tamper alert, Vibrating Alert, Voice-triggered alert, Temperature & humidity exception alert (optional), Door open & close alert (optional)
Scenarios	
Mount method	Magnet
Bluetooth	BLE 5.0
RFID	N/A
Configuration support	APP: Tracksolid Pro, PC Tools SMS
Certification	CE, FCC

Physical specification

Dimensions	108,5 x 61,1 x 30,0mm
Weight	260g

Standard Packing

LL302 unit	1
Charging cable	1
Magnetic base	1

Optional Configuration*

Casing	K0901 IP68 waterproof casing
Sensors	Hall effect sensor (for door status detection); Temperature & humidity sensor

*Optional Configuration required to be customized or purchased separately.