



LL301

LTE Cat 1 Asset GNSS Tracker

The LL301 is a 4G Cat 1 Asset GNSS Tracker that allows for ultra-long standby time via 10,000mAh large-capacity battery and durable housing. Featuring the multiple positioning systems and indoor & outdoor signal coverage, the device also supports instant alerts of atypical events like device removal, vibration, etc. We also offer the users remote monitoring of the target through our cloud platform and mobile APP, which is 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.



10,000mAh Rechargeable Battery

High-capacity battery supports long standby applications, and is easily recharged for re-deployment.



Remote Listen-in (VoLTE)

Inconspicuous mic allows for remote audio monitoring of the environment around the device.



Multiple Alerts

Instant alerts for atypical events such as cover removal, device removal, abnormal vibration, low battery, etc.



Multiple Working Modes

Configurable working modes according to your actual demands.



Strong Magnetic Base

Near-zero installation; the LL301 tightly and effortlessly fastens to most metal surfaces.



Bluetooth Configuration

Fast and simple device configuration via app for iOS.

Logistics



Vehicle Rental



Fleet Management



GNSS

Positioning system	GPS+BDS+LBS+WIFI
Frequency	L1
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/GSM
Frequency	LL301-E LTE-FDD: B1/B3/B7/B8/B20/B28 GSM: 900/1800MHz LL301-L LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850/900/1800/1900MHz

Power

Battery	10,000mAh/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 2 years in powersaving mode

Interface

LED indication	1 status indicator (Red), 4 battery indicators (Blue)
SIM	Nano-SIM
Tamper proof	Pressure-sensitive button

Physical specification

Dimensions	108.5 x 61.1 x 30mm
Weight	260g

Operating environment

Operating temperature	-20℃ to +70℃
Operating humidity	5%~95%, non-condensing
IP rating	IP65

Feature

Sensors	3-axis Accelerometer
Bluetooth	Support Bluetooth 5.0
Scenarios	Low battery alert, Tamper alert, Vibration alert, Cover removal alert, Power off alert