



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. Supporting GPS + BDS + LBS + Wi-Fi positioning, indoor & outdoor signal coverage, and supporting instant alerts of typical 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 the location to be accurately displayed on the cloud platform.



LTE & GSM Network

The device can receive and transmit data in the coverage of 4G and 2G networks.



10,000mAh Rechargeable Battery

With ultra-long standby time, the device can be redeployed after charging.



Remote Listen-in

An inconspicuous Mic allows you to remotely listen to the sounds around the device.



Tamper Alert

When the pressure-sensitive button is loose, you'll get notified of device removal.



Multiple Working Modes

Configurable working modes according to your actual demands.



Temperature/Humidity Sensor

Prevent damage to cargo caused by abnormal temperature/humidity.



Multiple Alerts

Instant alerts of typical events such as cover removal, vibration, low battery, etc.

Logistics



Vehicle Rental



Fleet Management



GNSS

Positioning system	GPS+BDS+LBS+WIFI
Frequency	L1
Positioning accuracy	<2.5m CEP
Track sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TIFF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	LTE/GSM
Frequency	LL301-EU FDD: B1/B3/B7/B8/B20/B28 GSM: 900/1800MHz LL301-LA 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: Tracking mode Mode 2: Intelligent mode Mode 3: Power-saving mode
Standby time	Up to 3 years in power-saving 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 C to +70 C
Operating humidity	5% ~ 95%, non-condensing
IP rating	IPX4

Feature

Sensors	3-axis Accelerometer
Scenarios	Low battery alert, Tamper alert, Vibration alert, Cover removal alert, Power off alert
Environment Detection	Temperature -20 C to +70 C, ±0.5 C Humidity 0%~100%RH, ±5%RH