



LL305

LTE Cat 1 Portable Tracker

The LL305 is a 4G LTE Tracker specially designed for asset tracking and fleet management. Its compact size and light weight support concealed installation and allow for easy carrying, expanding more application scenarios. And the multiple positioning systems provide strong signal acquisition and more accurate positioning capability. In addition to these features, multiple working modes, intelligent sound recording, remote listen-in, noise alert and remote update will make this powerful device ideal for managing your fleet and assets.



LTE Cat 1 Network

Stable communication via IoT-specific 4G LTE networks.



GPS & BDS & WiFi & LBS Positioning

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



Multiple Working Modes

Configurable working modes according to your actual demands.



Intelligent Sound Recording

Sound recording can be activated through the platform or automatically triggered when abnormal noise is detected.



Remote Listen-in

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



Multiple Alerts

Instant alerts for atypical events such as ambient noise, low battery, device removal, etc.



Remote Switch On/Off

The device can be switched on and off remotely through the cloud platform.



Remote Update

Support updating the firmware via the delta over-the-air update (DFOTA).

Logistics



Asset Tracking



Fleet Management



GNSS

Positioning system	GPS+BDS+WiFi+LBS
Frequency	L1
Positioning accuracy	< 2.5m CEP
Tracking sensitivity	-165 dBm
Acquisition sensitivity	-145 dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	LTE Cat 1
Frequency	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41

Power

Battery	6,000mAh/3,7V industrial-grade Li-Polymer battery
Working modes	Mode 1: Regular GPS mode Mode 2: Tracking mode Mode 3: Power-saving mode
Standby time	Up to 2 years in power-saving mode

Interface

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

Physical specification

Dimensions	76.0 x 52.0 x 32.0mm
Weight	160g

Operating environment

Operating temperature	-20 C to +70 C
Operating humidity	5%~95% non-condensing
ESD protection	Contact +/-7KV Air +/-14KV
IP rating	IPX5

Feature

Sensors	Accelerometer, Light sensor
Scenarios	Abnormal noise alert, Low battery alert, Tamper alert