



# JM-LL02

LTE Cat 1 Versatile Asset GNSS Tracker



The JM-LL02 is an LTE asset tracker with 6,000mAh large battery. Depending on its strong magnetic cover, it can be effortlessly deployed with almost zero installation. This device can be directly configured via Bluetooth, also a light sensor and vibration detection feature play critical roles in anti-theft campaign, making JM-LL02 a powerful device that brings much convenience to users.



## GPS & WiFi & LBS Positioning

A synergy of multiple positioning systems ensures the locations to be accurately displayed on cloud platform.



## 6,000mAh Rechargeable Battery

High capacity ensures long standby time, also the device can be redeployed after charging.



## Strong Magnetic Mount

Can be attached on metallic surface tightly, you don't have to pay much time for installation.



## Bluetooth Configuration

You can download a designated app and configure the parameters of device on it.



## IP67 Dust and Water Resistance

Rugged and reliable design ensures normal performance in toughest conditions.



## Magnetic Charging

A handy and efficient charger provides higher charging speed.



## Remote Listen-in

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



## Tamper alert

When light exposure is detected by light sensor, you'll get notified of device removal.

Asset Tracking



Vehicle Rental



Logistics



## GNSS

Positioning system	GPS+WIFI+LBS
Frequency	L1
Positioning accuracy	< 2,5m CEP
Track sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 40sec

## Cellular

Communication network	LTE + WCDMA / LTE + GSM
Frequency	<b>JM-LL02A:</b> LTE Cat1: B2/B4/B5/B12/B13 WCDMA: B2/B4/B5 <b>JM-LL02E:</b> LTE Cat 1: B1/B3/B5/B7/B8/B20/B28 GSM: 850/900/1800/1900

## Power

Battery	6,000mAh/3,7V industrial-grade Li-Polymer battery
Working modes	Mode 0: Standby mode Mode 1: Tracking mode Mode 2: Power-saving mode
Standby time	Up to 2 years in power-saving mode

## Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Nano-SIM
Data storage	32+32Mb
Tamper proof	Light sensor
Magnetic charging port	Used for charging and debugging

## Physical specification

Dimensions	85,0 x 58,0 x 29,0mm
Weight	158g

## Operating environment

Operating temperature	-20°C to +70°C
Operating humidity	5%~95%, non-condensing
IP rating	IP67

## Feature

Voice monitoring range	≤ 3 meters
Sensors	Accelerometer, Light sensor
Scenarios	Low battery alert, Tamper alert, Vibration alert, Over-speed alert, Geo-fence
Specialties	On/off button disabling, Voice recording