



# JM-LL02

CAT M1/NB2 Versatile Asset GNSS Tracker



The JM-LL02 is a 4G asset tracker designed for rugged applications. Featuring a large 6,000 mAh battery and a strong magnetic mount, this device is perfect for a wide range of deployments where long standby time and simple installation are key. A light sensor can alert when the device is removed, further adding to the security and peace-of-mind offered by the LL02. For greater convenience, this device can also be directly configured via Bluetooth, eliminating the need for wired or platform-based configuration.



## GPS & WiFi & LBS Positioning

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



## 6,000mAh Rechargeable Battery

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



## Strong Magnetic Mount

Near-zero installation; the LL02 tightly and effortlessly fastens to most metal surfaces.



## Bluetooth Configuration

Fast and simple device configuration via app for iOS.



## IP67 Dust and Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.



## Magnetic Charging

A handy and efficient charger connects easily and charges quickly.



## Multiple Working Modes

Configurable working modes according to your actual demands.



## Tamper alert

Receive a tamper alert when the light sensor detects 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/GSM
Frequency	LTE CAT M1/NB2: B2/B4/B5/B12/B13/B66 GSM: 850/1900MHz

## Power

Battery	6,000mAh/3.7V industrial-grade Li-Polymer battery
Working modes	Mode 0: Standby mode Mode 1: Tracking mode Mode 2: Powersaving mode
Standby time	Up to 1.5 years in powersaving 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

Sensors	Accelerometer, Light sensor
Bluetooth	Support Bluetooth 5.0
Scenarios	Low battery alert, Tamper alert, Vibration alert, Over-speed alert, Geo-fence
Specialties	On/off button disabling