



# JM-LL01

LTE Cat M1 & NB2 Asset GNSS Tracker

The JM-LL01 is a Cat-M1/NB-IoT asset tracker with ultra-long standby time. Depending on reporting frequency, its low consumption internal battery can provide up to 3 years of working time on a single charge. The JM-LL01's strong magnetic mount allows for effortless installation onto almost any metal surface, and a light sensor will be triggered and an alert sent once detachment occurs, helping users to feel totally assured that their assets are under constant protection.



Vehicle Rental



Fleet Management



Logistics



### GPS & LBS Positioning

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



### LTE Cat M1/NB2 & GSM

Communications over IoT-specific LTE networks with reliable 2G GSM fallback.



### 10,000mAh Rechargeable Battery

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



### Tamper Alert

Receive a tamper alert when the light sensor detects device removal.



### IP65 Dust and Water Resistance

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



### Bluetooth Configuration

Fast and simple device configuration via app for iOS.



### Strong Magnetic Base

Fast and easy installation via strong magnetic mount or eyelets.



### Multiple Working Modes

Configurable working modes according to your actual demands.

## Standard Configuration

### Positioning & Location

Technology	GPS, LBS
Accuracy	< 2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start < 1sec; Avg. cold start < 40sec

### Cellular

Technology	LTE Cat M1 & NB2, GSM LTE Cat M1 & NB2:
Frequency	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/ B26/B28/B66 GSM: 850/900/1800/1900 MHz

### Power

Battery	10,000mAh/3.7V industrial-grade Li-Polymer battery (rechargeable)
Working modes	Mode 0: Standby mode Mode 1: Intelligent mode Mode 2: Power-saving mode
Battery life	6 days to 3 years

### Operating environment

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

### Interface

LED indication	Cellular (Red), Battery (Blue)
SIM	Standard-SIM
Memory capacity	1000 GPS data entries
Tamper proof	Light sensor
USB	Micro USB
GNSS antenna	Internal
Bluetooth antenna	Internal

### Feature

Voice monitoring range	N/A
Sensors	3-Axis accelerometer, Light sensor Low battery alert, Tamper alert, Vibrating Alert,
Scenarios	Over-speed alert, Cover removal alert, Installation alert, Geo-fence entry & exit alert
Mount method	Magnet or straps
Bluetooth	BLE 4.2
RFID	N/A
Configuration support	APP, Tracksolid Pro, PC Tools, SMS
Certification	CE, FCC, PTCRB, RoHS, AT&T, TELEC, Orange, WEEE

### Physical specification

Dimensions	109,0 x 61,0 x 30,5mm
Weight	297g

## Standard Packing

LL01 unit	1
Charging cable	1
Magnetic base	1
Double-sided adhesive	1

## Optional Configuration\*

Adapter
Debug cable

\*Optional Configuration required to be customized or purchased separately.