



# 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.



PTCRB & AT&T certified



## 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.

### Vehicle Rental



### Fleet Management



### Logistics



## GNSS

Positioning system	GPS+LBS
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 40sec

## Cellular

Communication network	LTE/EGPRS
Frequency	LTE Cat M1/NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28/B66 EGPRS: 850/900/1800/1900 MHz

## Power

Battery	10,000mAh/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 3 years in powersaving mode

## Interface

LED indication	1 status indicator (Red), 4 battery indicators (Blue)
SIM	Standard-SIM
Data storage	32+32Mb
Tamper proof	Light sensor

## Physical specification

Dimensions	109.0 x 61.0 x 30.5mm
Weight	297g

## Operating environment

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

## Feature

Certificates	FCC, CE, PTCRB, AT&T, TELEC
Sensors	3-Axis Accelerometer
Scenarios	Low battery alert, Tamper alert, Vibrating Alert, Over-speed alert, Cover removal alert, Installation alert, Geo-fence