



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 & BDS & 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	(A) GNSS, Cell, Wi-Fi
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
Frequency	LTE Cat M1 & NB2: B1/B3/B5/B8/B20/B28 GSM: 900/1800 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	Overspeed alert, Cover removal alert, Installation alert, Geo-fence entry & exit alert
Mount method	Magnet or straps
Bluetooth	2402-2480 MHz (BLE 4.2)
Wi-Fi	2.4 GHz. (Receive Only)
Configuration support	APP, Tracksolid Pro, PC Tools, SMS
Certification	CE, FCC, PTCRB, RoHS, AT&T, JATE, 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.