



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 & WiFi & LBS Positioning

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



10,000mAh Rechargeable Battery

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



IP65 Dust and Water Resistance

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



Strong Magnetic Base

Fast and easy installation via strong magnetic mount or eyelets.



LTE Cat M1/NB2 & GSM

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



Tamper Alert

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



Bluetooth Configuration

Fast and simple device configuration via app for iOS.



Multiple Working Modes

Configurable working modes according to your actual demands.

Vehicle Rental



Fleet Management



Logistics



GNSS

Positioning system	GPS+WIFI+LBS
Frequency	L1
Positioning accuracy	<2.5m CEP
Track 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 power-saving 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