



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
Tracking 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: Power-saving mode
Standby time	Up to 2 years in power-saving 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℃ to +70℃
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