



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 JM-LL02. For greater convenience, this device can also be directly configured via Bluetooth, eliminating the need for wired or platform-based configuration.



Asset Tracking



Vehicle Rental



Logistics



GPS & BDS & 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 JM-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.

Standard Configuration

Positioning & Location

Technology	GPS, BDS, 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	B2/B4/B5/B12/B13/B66 GSM: 850/900/1800/1900 MHz

Power

Battery	6,000mAh/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	4,5 days to 1,5 years

Operating environment

Operating temperature	-20°C to +70°C
Operating humidity	5% to 95%, non-condensing
IP rating	IP67

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Nano-SIM
Memory capacity	1000 GPS data entries
Tamper proof	Light sensor
USB	4-Pin magnetic wire (for charging and debugging)
GNSS antenna	Internal
Bluetooth antenna	Internal

Feature

Voice monitoring range	N/A
Sensors	Accelerometer, Light sensor Low battery alert, Tamper alert,
Scenarios	Vibrating alert, Over-speed alert, Geo-fence entry & exit alert
Mount method	Magnet or straps
Bluetooth	BLE 5,0
RFID	N/A
Configuration support	APP, Tracksolid Pro, PC Tools, SMS
Certification	FCC

Physical specification

Dimensions	85,0 x 58,0 x 29,0mm
Weight	158g

Standard Packing

JM-LL02 unit	1
Charging cable	1
Magnetic base	1

Optional Configuration*

Casing	K0901 IP68 waterproof casing
Debug cable	
Adapter	

*Optional Configuration required to be customized or purchased separately.