



Multifunctional BLE Sensor **LTE-M TRACKER**

PRODUCT DESCRIPTION

The LTE-M Tracker is a compact LTE Cat M1 / NB-IoT asset tracker designed for long-term tracking applications with ultra-low power consumption. It enables reliable positioning via GNSS, cellular networks, and LBS, ensuring accurate and continuous asset visibility.

Equipped with a high-capacity rechargeable battery, integrated sensors, and a strong magnetic mounting system, the device is ideal for logistics, fleet management, and mobile asset monitoring. Tamper detection and configurable working modes provide enhanced security and operational flexibility.



APPLICATIONS

- **Vehicle Rental**
- **Fleet Management**
- **Logistics**

FEATURES

- **GNSS, BDS and LBS positioning**
- **LTE Cat M1 / NB2 with GSM fallback**
- **Rechargeable 10,000 mAh battery**
- **Tamper detection via light sensor**
- **IP65 dust and water protection**
- **Bluetooth configuration via app**
- **Compact and easy installation design**
- **Strong magnetic mounting system**
- **Multiple configurable working modes**



TECHNICAL DATA

POSITIONING & LOCATION

Technology	GPS, BDS, LBS
Accuracy	<2.5m CEP
Tracking Sensitivity	-165dBm
Acquisition Sensitivity	-148dBm
TIFF (open sky)	Avg. hot start < 1sec; Avg. cold start <40sec

CELLULAR

Technology	LTE Cat M1 & NB2, GSM
Frequency	LTE Cat M1 & NB2: B1/ B2 / B3/ B4 /B5 / B8 /B12 /B12 / B13 /B18 /B19 /B20 /B26 /B28 /B66 GSM: 850 / 900 /1800 / 1900 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 up to +70°C
Operating Humidity	5% up 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/ USB Type-C
GNSS Antenna	Internal
Bluetooth Antenna	Internal

FEATURE

Voice Monitoring Range	N/A
Sensors	3-Axis Accelerometer, Light Sensor
Scenarios	Low battery Alert, Tamper Alert, Vibrating Alert, Over-speed Alert, Cover Removal Alert, Installation Alert, Geo-fence Entry & Exit Alert
Mount Method	Magnet or Straps
Bluetooth	BLE 4.2
RFID	N/A
Configuration Support	App, Tracksolid Pro, PC Tools, SMS
Certification	CE, FCC, PTCRB, RoHS, AT&T, TELEC, Orange, WEEE

PHYSICAL SPECIFICATIONS

Dimensions	109.0 x 61.0 x 30.5mm
Weight	297g

ORDER CODES

VERSIONEN

LTE-M Tracker	IOT-TR-CE-AT-4102
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