



NT09




4G/LTE-M Big Rechargeable Tracker

The NT09 series 4G/LTE-M high-capacity rechargeable trackers are a rugged, IP65-rated solution for demanding asset and vehicle monitoring. They are centered on a fast-charging 12,000mAh battery and provide GPS, LBS, and Wi-Fi positioning over 4G & 2G networks. Equipped with features like wireless magnetic mounting, tamper detection.



Applications



- **12,000 mAh Battery**
Built-in 12,000 mAh battery with 10W USB-C fast charging.
- **Multi-Tech GPS+LBS+Wi-Fi**
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- **BLE 5.0 Connectivity**
Supports iBeacon broadcasting and gateway mode.
- **Wireless Magnetic Mount**
Installs securely in minutes with strong magnets and backup screws, no wiring required.
- **Light-Sensing Tamper Detection**
Automatically triggers an alert if exposed to light, preventing unauthorized removal.
- **IP65 Water & Dust Resistant**
Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz, C/A Code	
Positioning accuracy	5-10m (5m CEP)	
Sensitivity	Tracking sensitivity: -162 dBm	Acquisition sensitivity: -148 dBm
TTFF (open sky)	Avg. cold start ≤ 35 sec	Avg. hot start ≤ 2 sec
Wi-Fi	2.4 GHz, used for indoors tracking	

Cellular

Communication network	LTE-M/NB-IoT/4G Cat1 + GSM	
Frequency	NT09E LTE-M: B1, B2, B3, B4, B5, B8, B12, B13, B14, B18, B19, B20, B25, B26*, B27, B28, B66, B71 NB-IoT: B1, B2, B3, B4, B5, B8, B12, B13, B14, B85 (* Under Development) GSM: 850, 900, 1800, 1900 MHz NT09U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT09D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	12000 mAh 3.7 V rechargeable Li-poly battery
Self-discharge rate	3.7V DC
Operating current	Active < 50 mA
Working modes	Real-time Track/Sleep/Latent Mode

Interface

LED indication	Cellular (Red), GNSS (Green), Power (Blue)
USB	Type-C (10W fast charging)
Bluetooth	BLE 5.0 (iBeacon & Gateway)
Data storage	2000-packet offline storage capacity

Physical specification

Dimensions	L154 x W85x H30 mm
Weight	494g

Certification

CE, FCC, RoHS