



# 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



Shipment Tracking



Car Rental



Personal Cars



#### 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
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