



NT08

4G/LTE-M Super Long Standby Tracker

NT08 4G/LTE-M long standby tracker series is a rugged IP67 solution for ultra-long-term asset monitoring. It features a 20,000mAh battery for 10+ years' operation, combining GPS with LBS and Wi-Fi for reliable positioning. It supports 4G & 2G networks in various regions. With wireless magnetic mounting, light-sensing tamper detection, and remote OTA.



Applications



Asset Tracking

Heavy Equipment Tracking

Rental Equipment Tracking



10-Year Battery Life

20,000mAh disposable lithium-ion battery, with a once-daily reporting cycle for 10+ years.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



Ultra-Low Self-Discharge

Minimal sleep current and self-discharge rate for long-term, low-maintenance operation.



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.



IP67 Water & Dust Resistant

Tough, reliable design for stable operation in demanding conditions.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz, C/A Code	
Positioning accuracy	5-10 m (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	NT08E 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	
NT08U (Europe & Oceania)	LTE Cat1: B1, B3, B5, B7, B8, B20, B28	GSM: 850, 900, 1800, 1900 MHz
NT08D (Latin America)	LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66	GSM: 850, 900, 1800, 1900 MHz

Power

Battery	20000 mAh 3.6 V disposable lithium-ion battery
Self-discharge rate	< 1% per year (storage temperature < +25°C)
Operating current	Active < 100 mA Sleep < 15 uA
Working modes	Periodic/Clock/Week/Motion & Static/Warehouse/Tracking Mode

Interface

LED indication	Cellular (Red), GNSS (Green)
Bluetooth	Bluetooth 5.0
Data storage	1000-packet offline storage capacity
Antenna	Internal high-gain GNSS & Cellular antenna

Physical specification

Dimensions	L176.8 x W85 x H30.4 mm
Weight	447g

Certification

CE, FCC, RoHS

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