



NT27

4G/LTE-M Long Standby Magnets Tracker

The NT27 Series delivers 5 years of reliable tracking and easy deployment, intended for asset tracking and management. Its enhanced magnetic mount, while the 8,100mAh battery and robust IP67 design ensure long-lasting performance for monitoring heavy equipment and rental assets via GPS+LBS+Wi-Fi and regional 4G/LTE-M+2G networks.



Applications









Asset Tracking



Heavy Equipment Tracking



Rental Equipment Tracking

- **5-Year Battery Life**
8,100mAh disposable lithium-ion battery, with a once-daily reporting cycle for 5+ years.
- **Multi-Tech GPS+LBS+Wi-Fi**
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- **4G & 2G Network**
Different versions available for multiple regions.
- **Enhanced Magnetic Mount**
Strong magnet base with 3M adhesive, and backup screws for secure installation.
- **Temperature Monitor**
Built-in temperature sensor monitors board temperature.
- **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	NT27E 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 NT27U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT27D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	8100 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	BLE 5.0 (iBeacon & Gateway)
Data storage	1000-packet offline storage capacity
Antenna	Internal high-gain GNSS & Cellular antenna

Physical specification

Dimensions	L116 x W69.2x H32.5 mm
Weight	208g

Certification

CE, FCC, RoHS