



NT28

4G/LTE-M Trailer/Chasis Tracker

NT28 4G/LTE-M trailer/chassis tracker series is a rugged IP65 hub for comprehensive cargo and condition monitoring. It features dual power modes (vehicle or built-in battery) and a unified interface for both wired (RS485) and wireless (BLE) sensors, supporting temperature, door status, and more.



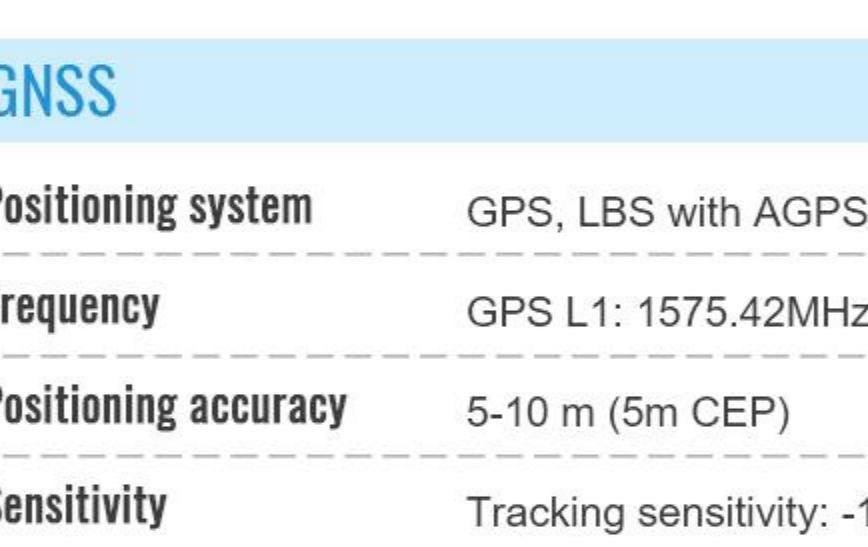
Applications



Trailer Tracking



Cold Chain Transportation



Container Management



4G & 2G Network

Different versions available for multiple regions.



GPS & LBS Positioning

Reliable positioning solution leveraging both satellite and terrestrial technologies.



Wired & Wireless Power Modes

Runs on power or built-in 5200mAh battery to maintain tracking during power loss.



Unified Sensor Hub

Connects to both wired (RS485) and wireless (BLE) sensors for monitoring.



Remote OTA Management

Enables remote configuration and firmware upgrades for easy maintenance.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LBS with AGPS	
Frequency	GPS L1: 1575.42MHz, 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

Cellular

Communication network	LTE-M/NB-IoT/4G Cat1 + GSM	
Frequency	NT28E	
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		
NT28U (Europe & Oceania)	LTE Cat1: B1, B3, B5, B7, B8, B20, B28	GSM: 850, 900, 1800, 1900 MHz
NT28D (Latin America)	LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66	GSM: 850, 900, 1800, 1900 MHz

Power

Battery	5200 mAh 3.7 V rechargeable Li-poly battery (Fast-Charge Supported)	
Power source switching	Auto-switch between external power supply and built-in high-capacity battery	
Input voltage	9-36V DC (applicable to 12V/24V vehicles)	
Operating current	< 40 mA @ 12V DC (BLE OFF); < 90 mA @ 12V DC (BLE ON)	
Sleep current	< 5 mA @ 12V DC (BLE OFF); < 8 mA @ 12V DC (BLE ON)	

Interface

LED indication	Cellular (Yellow), GNSS (Green), Power (Red)	
Serial port	2 RS232 and 1 RS485	
Data storage	2000-packet offline storage capacity	
Connector	2PIN/4PIN waterproof connector	

Physical specification

Dimensions	L118 x W106 x H44mm	
Weight	317.5 g	

Certification

FCC, CE (NT28E)

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