



# 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             | <b>NT28E</b><br>LTE-M: B1, B2, B3, B4, B5, B8, B12, B13, B14, B18, B19, B20, B25, B26*, B27, B28, B66, B71<br>NB-IoT: B1, B2, B3, B4, B5, B8, B12, B13, B14, B85 (* Under Development )<br>GSM: 850, 900, 1800, 1900 MHz<br><b>NT28U (Europe &amp; Oceania)</b><br>LTE Cat1: B1, B3, B5, B7, B8, B20, B28                      GSM: 850, 900, 1800, 1900 MHz<br><b>NT28D (Latin America)</b><br>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)