



NT52

4G/LTE-M Vehicle Tracker with CANBUS

The NT52 series 4G/LTE-M vehicle trackers are rugged IP67 devices for advanced fleet and commercial vehicle management. Featuring an expandable CAN bus port for direct vehicle data integration and driver behavior analysis. With 9-100V wide voltage input, they deliver GPS & LBS positioning over regional 4G & 2G networks.



Applications



- Ultra-Wide Voltage Input**
9-100V DC input range ensures reliable operation in various vehicles or machinery.
- GPS & LBS Positioning**
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- 4G & 2G Network**
Different versions available for multiple regions.
- IP67 Water & Dust Resistant**
Advanced waterproof and dustproof for reliable operation in wet and harsh conditions.
- Driving Safety Guardian**
Monitors harsh driving and provides alerts with behavior analysis for fleet safety.
- CAN**
Expandable CAN Bus Ports
Features 1 standard CAN port, expandable to 2 for flexible vehicle data integration.

GNSS

Positioning system	GPS, LBS with AGPS	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m (5m CEP)	
Tracking sensitivity	-162 dBm	
Acquisition sensitivity	-148 dBm	
TTF (open sky)	Avg. cold start ≤ 35 sec	Avg. hot start ≤ 2 sec

Cellular

Communication network	LTE-M/NB-IoT/4G Cat1 + GSM	
Frequency	NT52E 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 NT52U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT52D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	300 mAh rechargeable Li-poly battery	
Input voltage	9-100V DC	
Battery protection	200V reverse connection protection, main power voltage detection	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC

Interface

LED indication	Cellular (Red), GNSS (Green)
SIM	Nano-SIM
Bluetooth	Bluetooth 4.2 (supported on NT52U/D models only)
Serial ports	1x RS485 port
CAN Bus	1 port (default), expandable to 2

Physical specification

Dimensions	L85 x W56 x H20 mm
Weight	56g