



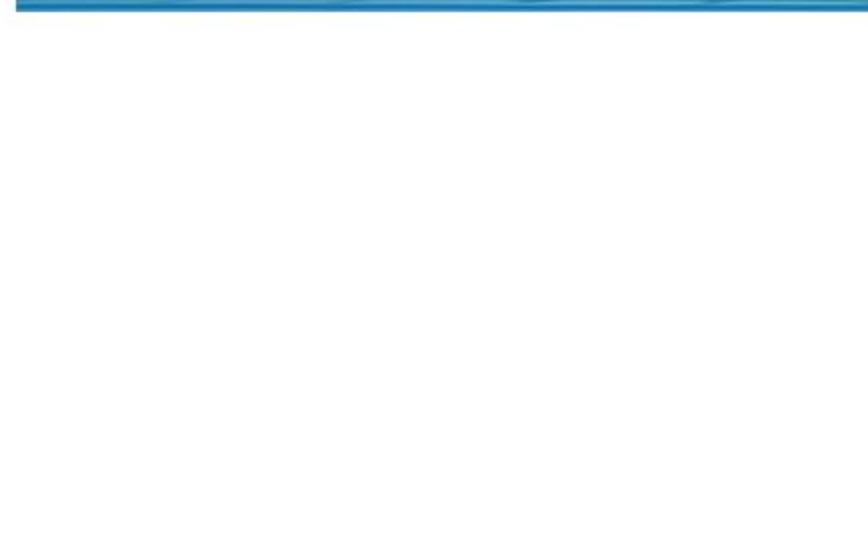
NT52

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.



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	
TTFF (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	

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Specifications, appearance and accessories subject to change without notice.