



NT53

4G/LTE-M Rechargeable Magnets Tracker

The NT53 series 4G/LTE-M rechargeable magnetic trackers are a versatile solution for fleet and asset monitoring.

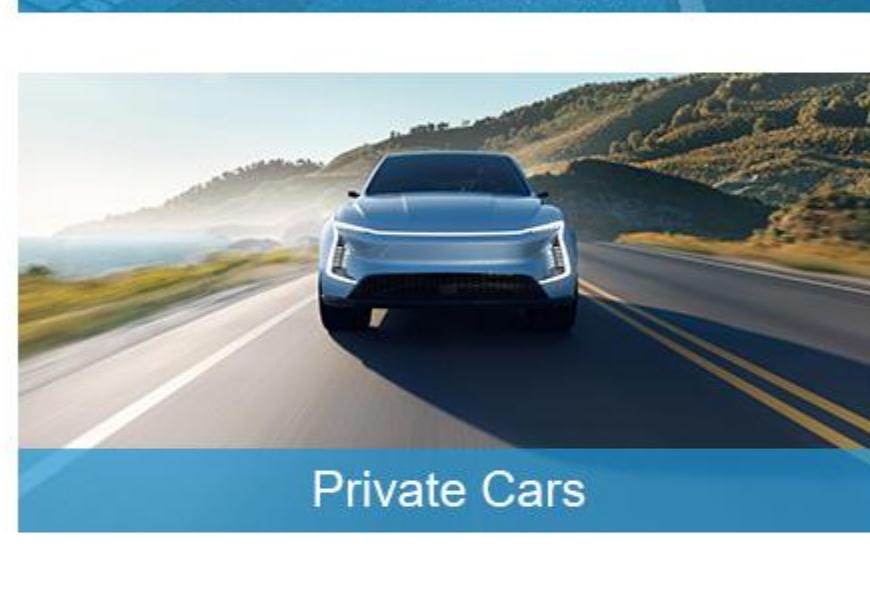
Designed with a robust IP65-rated magnetic base for instant attachment, it features a 5,200mAh fast-charging battery for sustained operation. It delivers reliable multi-tech positioning across regional 4G & 2G networks.



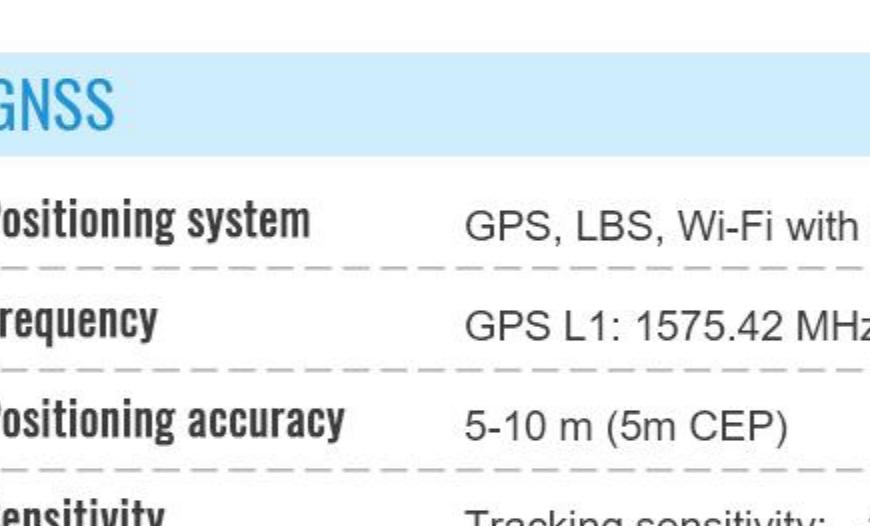
Applications



Shipment Tracking



Car Tracking



Private Cars



5,200 mAh Battery

Built-in 5,200 mAh battery with 10W USB-C fast charging.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



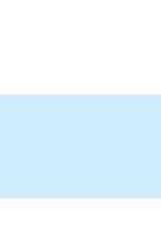
4G & 2G Network

Different versions available for multiple regions.



Strong Magnet Mount

A wireless magnetic base for simple, tool-free installation on the metal surface.



BLE 5.0 Connectivity

Built-in Bluetooth iBeacon for broadcasting and proximity detection.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

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	NT53E	
	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	
	NT53U (Europe & Oceania)	
	LTE Cat1: B1, B3, B5, B7, B8, B20, B28	GSM: 850, 900, 1800, 1900 MHz
	NT53D (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
Input voltage	3.7V DC
Operating current	Active < 50 mA
Working modes	Real-time Track/Sleep/Latent Mode

Interface

LED indication	Cellular (Red), GNSS (Green), Power (Blue)
USB	Type-C (10W fast charging)
Bluetooth	BLE 5.0 (iBeacon supported)
Data storage	2000-packet offline storage capacity

Physical specification

Dimensions	L110 x W68 x H24.8 mm
Weight	230g

Certification

CE, FCC, RoHS

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