



LT42

4G/BLE Multifunctional Vehicle Tracker

LT42 series 4G/BLE multifunctional vehicle tracker are rugged IP67-rated devices designed for demanding fleet and electric vehicle monitoring. They feature BLE 5.0 for direct wireless connection to sensors and controls, alongside optional RS485/TTL interfaces for advanced peripheral integration.

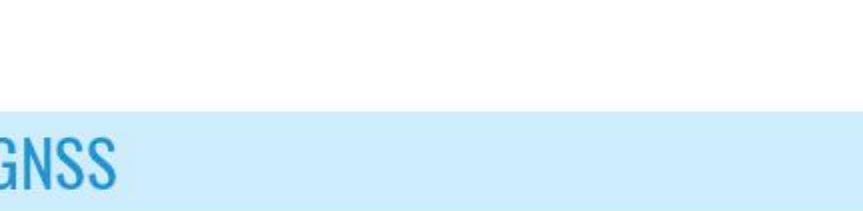
Applications



Fleets Tracking



Commercial Vehicle Tracking



BMS



Ultra-Wide Voltage Input

9-100V DC input range ensures reliable operation in various vehicles or machinery.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



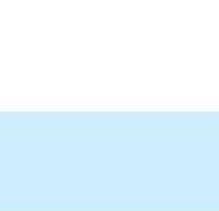
Multi-Band 4G LTE Network

Offers region-specific models with optimized band support for global or local connectivity.



IP67 Water & Dust Resistant

Advanced waterproof and dustproof for reliable operation in wet and harsh conditions.



BLE 5.0 for Sensors & Controls

Connects to Bluetooth devices like fuel sensors and relays for expanded functionality.



Optional RS485/TTL Interfaces

Easily connect various peripherals and sensors, enabling expanded functionality.

GNSS

Positioning system	GPS, LBS, Wi-Fi 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
Wi-Fi	2.4 GHz, used for indoors tracking

Cellular

Communication network	4G LTE
Frequency	LT42G (Asia): FDD LTE: B1, B3, B5, B8 TDD LTE: B34, B38, B39, B40, B41
	LT42U (Europe & Oceania): LTE B1, B3, B5, B7, B8, B20, B28
	LT42D (Latin America): LTE B2, B3, B4, B5, B7, B8, B28, B66

Power

Battery	60 mAh 3.7 V 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
Working modes	Motion & Static Auto-Switch

Interface

LED indication	Cellular (Red), GNSS (Green)
SIM	Micro-SIM
Bluetooth	BLE 5.0 supports connection to devices like fuel/T&H sensors and relay
I/O Interface	2 Digital Output (Fuel/Electric Cutoff, Reserved) 2 Digital Inputs (ACC, Active-Low Input)
Data storage	1000-packet offline storage capacity for each communication link
Connector	8PIN
Antenna	Internal high-gain GNSS & Cellular antenna

Physical Specification

Dimensions	L85 x W56 x H20 mm
Weight	56g

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