



LT42

4G/BLE Multifuncational 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, along-side optional RS485/TTL interfaces for advanced peripheral integration.



Applications



- 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