



StarlinkTracker



Modular Vehicle Tracking and Telematics Device

StarLink Tracker is a versatile telematics device, with highly configurable functionality and various variants to enrich and support any requirement and challenge in the Fleet Management, Vehicle Diagnostic, Driver and Passenger Safety and many additional automotive Connected Car solutions requirements.

These additional features can come embedded in the device or as external Add-Ons, added at any time after installation, from ERM's growing portfolio of Add-Ons and Accessories.

StarLink Tracker is compatible with most vehicle types and complies with automotive, radio and safety standards worldwide.

With a wide variety of Add-Ons and Accessories StarLink Tracker offers a highly modular solution for any fleet requirement.

StarLink Tracker can come with multiple variants to choose from:



Key Features:

- Multiple variants to choose from
- 2G / 3G / 4G cellular module
- Output Logic Programming (OLP) for complex output signal generation
- Vehicle battery diagnostics: charge, voltage and battery life (SoH)
- FOTA
- Embedded antennas
- Immobilization system
- Geo-Zone protection
- Dedicated single wire com port, to use wide range of Add-Ons and Accessories

Manage your fleet
in a different way

2G 3G 4G The device comes with variety of options for cellular communication technology to choose from: 2G (GPRS), 3G (UMTS), 4G (LTE: CAT-4 , CAT-1, CAT-M1/NB-1) modules.

WF Wi-Fi hot spot with ability to support up to 8 concurrent users. In addition, as an option, the technology can be configured to act as a client instead of host, in order to connect with third party Wi-Fi hotspot

BT The device comes with two way Bluetooth communication module. Which can be used to transmit data between the device and a mobile phone/tablet or read data from variety of external Bluetooth/BLE sensors and tags.

EA External GPS and Cellular antennas plugs. Used to enhance the communication capability of vehicles in which the communication of the internal antennas is limited, such as in armored vehicles

EC ERM's patented RF solution (eConnect) to track jammed vehicles, by enabling alternative communication between vehicles. The Variant offers 433Mhz or 915Mhz frequency, per request

CAN The device comes with ERM's CAN Engine technology to support CANBUS interface with various protocols such as OBD2, CANBUS, FMSJ1939, J1708, K-Line, VPW, PWM and ability to add additional protocols to support. The technology offers a programmable rule engine, to enable simple creation of data analysis based events

SF 3D high sensitivity accelerometer and gyro supported with ERM's Safety technology for Driving Behavior analysis and BlackBox feature. The technology can identify 20 maneuver types in 3 levels. The functionality offers event based driving behavior alerts and also detailed histogram reporting features.

ID Used for drivers identification and management, and supports list of allowed drivers. The ID variant includes two proximity Remote controls (eCom Tag) and supports various identification types. Additional Tags can be added at any time.

VD Support for voice communication with the driver, enabled by the use of external speaker and dedicated microphone, both inclusive of this variant kit. An option to use ERM's keypad, or a push button is available for fast dialing, manual answer/disconnect of the calls.

Technical Specifications

Hardware

Cellular + Internal antenna	2G variant: GPRS Quad-Band 900/1800/850/1900 3G variant: GPRS/UMTS/HSDPA, 5-Band 900/1800/850/1900/2100 4G variant: LTE Bands 1/3/5/8 CAT-4 , CAT-1, CAT-M1/NB-1
Wifi + Internal antenna	b/g/n 2.4GHz
Location + Internal antenna	GPS/GLONASS/GALILEO, Active antenna, Sensitivity -165 dB, acquisition (normal): cold 34s, warm 34s, hot 1s, accuracy: 2.5m CEP
Communication	TCP/IP, text messages
Connectors	10-pin Molex connector
Input ports	UP to 4 inputs for general use, additional I/Os with external HUB/junction box
Output ports	UP to 2-4 outputs for general use, active low, 1A
Analogs ports	2 inputs using an external adaptor 0-12V and 0-5V (optional using EDA Analog)
Dedicated port	Ignition port, one data wire for ERM accessories (eNet protocol)
Power Supply	9-32VDC, 20-30mA (average), Low power mode (GPS off) < 10mA, Power save mode (Standby) < 3.0mA
Back up battery	Rechargeable, 3.6V, 750mAh (Li-ion)
Car interface	Ignition On/Off, Engine On/Off (by voltage), VSS, CANBUS (optional using eData/CANalog/eCAN)
Configuration/ FOTA	OTA/Via Standard PC USB Port, parameters setup, software programming
Data Logger	Up to 8,000 messages (up to 60,000 messages - optional)

Environment

Operating temperature	-20 to 70°C
Storage temperature	-40 to 85°C
Dimensions	9.2cm x 6.5cm x 2.8cm
Weight (NET)	120g
Durability	Water and vibration resistance, IP65 optional
Max. relative humidity	90+/-5%

