ituran TECHNOLOGY DRIVEN BY PEOPLE

STARLINK TRACKER&SAFETY

Modular Vehicle Tracking & Telematics Device

StarLink Tracker is a versatile telematics device, which supports and enriches fleet management, vehicle diagnostic, driver & passenger safety and many other connected car software applications.

As a safety device, it supports a long list of driving performance maneuvers including: careless driving, lane-changing and hard-breaking, and come with a Blackbox component that records and restores data.

The device transmits alerts to the server whenever abnormal maneuver is detected; in the event of an accident it logs a total of 75 seconds: 50 before the event and 25 after it, with 0.01 sec intervals, providing optimal data for post-accident analysis.

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

With a wide variety of add-ons and accessories to choose from, StarLink Tracker offers comprehensive modular solution for any fleet requirement.

The device comes in various variants with features embedded in the device or sold separately as external add-ons.

Key Features

- Multiple variants
- 2G/3G/4G/ LTE CATM cellular modules
- Vehicle battery voltage diagnostics
- FOTA
- Embedded antennas
- Immobilization system
- Geo-Zone protection
- Driver behavior monitoring
- Dedicated single wire com port suitable for add-ons & accessories
- Wide selection of add-ons & accessories

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Comes in variety of cellular communication technologies 2G (GPRS), 3G (UMTS), 4G (LTE: CAT-4, CAT-1, CAT-M1/NB-1) modules

OPTIONAL: 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

OPTIONAL: 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

3D high sensitivity accelerometer and gyro supported with Ituran's Safety & Driving Behavior analysis and Blackbox feature. The technology can identify 16 maneuver types in 3 levels, and offers event based driving behavior alerts and in addition to detailed histogram reporting features

OPTIONAL: driver identification and management, and supports a list of permitted drivers. The ID variant includes two proximity remote controls (eCom Tag) and supports various identification types.
Additional tags can be added at any time

OPTIONAL: An external speaker and microphone which supports voice communication with driver.

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 outputs for general use, active low, 1A
Analog ports	2 inputs using an external adaptor 0-12V and 0-5V (optional using EDA Analog)
Dedicated ports	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^{O}C
Storage temperature	-40 to 85^{O}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%

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