



LTE Vehicle Terminal

VEHICLE TRACKER



PRODUCT DESCRIPTION

The Vehicle Tracker is a compact 4G LTE Cat1 Vehicle GNSS Terminal designed for the management of vehicles of all types. The wide 9-90V input voltage range is compatible with almost all vehicles. The communication with GSM (2G) fallback ensures a solid connection in almost all cases. It is a perfect tracker for a wide range of use cases - stolen vehicle recovery and the management of motorcycles passenger cars and light commercial vehicles.

APPLICATIONS

- Fleet Management
- Stolen Vehicle Recovery
- Vehicle Dealership Security

FEATURES

- LTE & GSM Network
- Remote Cut-Off (Fuel / Power)
- 9-90V Operating Voltage
- Vehicle Battery Protection
- IP65 Water & Dust Resistance
- GNSS/ LTE Jamming Detection



TECHNICAL DATA

POSITIONING & LOCATION

Technology	GPS, BDS, GLONASS, LBS
Accuracy	<2.5m CEP
Tracking Sensitivity	-165dBm
Acquisition Sensitivity	-148dBm
TIFF (open sky)	Avg. hot start < 2sec; Avg. cold start <38sec

CELLULAR

Technology	LTE Cat1 & GSM
Frequency	LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41 GSM: B2/B3/B5/B8

POWER

Battery	270mAh / 3.7V Industrial-Grade Li-Polymer Battery
Input Voltage	9-90 VDC
Power Consumption	Standby: <5mA

OPERATING ENVIRONMENT

Operating Temperature	-20°C up to +70°C
Operating Humidity	5% up to 95%, non-condensing
IP Rating	IP65

INTERFACE

LED Indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Nano-SIM
Digital I/Os	1x ACC, 1x Relay
Analog I/Os	N/A
Voltage Detection	N/A
Data Storage	3000+ GNSS Data Entries
USB	Type-C (for firmware upgrade)
Microphone	N/A
No. of relays	N/A
GNSS Antenna	Internal
Bluetooth Antenna	N/A
Serial Ports	N/A

FEATURE

Sensors	Accelerometer
Scenarios	Vehicle Movement Alert, Speeding Alert, Geo-fence Entry/ Exit, Vehicle Battery Detection, LTE Jamming Detection, GPS Jamming Detection
Driving Behavior Analysis	Harsh Acceleration, Harsh Braking, Harsh Cornering, Collision
Bluetooth	N/A
Configuration Support	N / A
Certification	CE, FCC, RoHS

PHYSICAL SPECIFICATIONS

Dimensions	94.0 x 34.0 x 15.0mm
Weight	44g

ORDER CODES

VERSIONEN

Vehicle Tracker

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IOT-TR-CE-VE-4102
