



LTE Vehicle GNSS Terminal

VEHICLE DIAGNOSTIC TRACKER

PRODUCT DESCRIPTION

The Vehicle Diagnostic Tracker Is a versatile GPS tracker designed to efficiently manage fleets of passenger vehicles trucks and public buses. It not only rapidly locates fleet vehicles but also boasts a robust interface set with multiple TTL (RS232-compatible) and RS485 Interfaces as well as digital inputs and outputs for more demanding applications. With 4G connectivity and 2G fallback, it ensures a stable connection worldwide.

Real-time alerts for events like harsh braking speeding tampering or unexpected vibrations offer valuable insights into the status of your fleet. As an added benefit, the GNSS and Bluetooth antennas can be customized to be mounted externally, providing more deployment flexibility.

APPLICATIONS

- Bus Fleet Management
- Vehicle Tracking
- Truck Fleet Management

FEATURES

- LTE & GSM Network
- GPS & BDS & GLONASS Positioning
- Remote Cut-Off (Fuel / Power)
- Onboard CAN
- Multiple Inputs & Outputs
- Bluetooth Accessory Support
- Multiple Expansion Interfaces



TECHNICAL DATA

POSITIONING & LOCATION

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

CELLULAR

Technology	LTE Cat 1, 2G (GSM)
Frequency	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 GSM: B2/B3/B5/B8

POWER

Battery	1000mAh
Input Voltage	9-36 VDC
Power Consumption	< 16mA

OPERATING ENVIRONMENT

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

PHYSICAL SPECIFICATIONS

Dimensions	115.0 x 69.0 x 28.0mm
Weight	172g

INTERFACE

LED Indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Digital I/Os	4 (with 2 configurable): ACC Detection, Panic Button, Relay and Door Detection
Analog I/Os	ADC_1: 0-5V ADC_2: 0-36 V
Memory Capacity	3000 GPS Data Entries
USB	Type-C (for configuration)
GNSS Antenna	Internal
Bluetooth Antenna	Internal
Serial Ports	3x (TTL3 can be replaced by CAN) 1x RS485 1x 1-Wire 1x RS232 (which can multiplex with TTL2)
CAN	1

FEATURE

Sensors	Accelerometer
Scenarios	Vibrating Alert, Speed Alert, SOS Alert, Tamper Alert, Geo-fence Entry/ Exit Alert, Remote Immobilization, Power Disconnection Alert, Low Internal Battery Alert, Door Status Detection, Audible Alert (via onboard buzzer)
Driving Behavior Analysis	Harsh Acceleration, Harsh Braking, Harsh Cornering, Collision
Bluetooth	BLE 5.0
Configuration Support	PC Tools, SMS, Trackssolid Pro, BLE
Certification	CE, FCC

ORDER CODES

VERSIONEN

Vehicle Diagnostic Tracker

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IOT-TR-CE-VE-4103
