



JM-VL01

LTE Cat 4 Vehicle GNSS Tracker



Improve the performance of your fleet business today with the feature rich and lightning fast JM-VL01. The JM-VL01 is a powerful and easy to install 4G GPS tracker that gives you actionable telematics insights. In addition to standard functions such as GPS location and geo-fence alerts, the JM-VL01 can also act as a WiFi hotspot.



LTE, UMTS & GSM Network

The device can receive and transmit data in the coverage of 4G, 3G, and 2G network.



Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



WiFi Hotspot Feature

Form WiFi coverage on vehicle, so that other devices such as ECU can connect to network.



Ignition Detection

Constant, real-time ACC/ignition status from the vehicle.



Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



RS485 Fuel Sensor (Optional)

Quickly get notified when fuel level is harshly changing.



RS485 Temperature Sensor (Optional)

Prevent the rot and damage leading by excessive temperature.



Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.

Vehicle Tracking



Fuel Monitoring & Control



Logistics



GNSS

Positioning system	GPS+WIFI
Frequency	L1
Positioning accuracy	< 2,5m CEP
Track sensitivity	-162dBm
Acquisition sensitivity	-149dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 45sec

Cellular

Communication network	LTE/UMTS/GSM
Frequency	JM-VL01A: LTE: B1/B2/B3/B4/B5/B7/B8/B28AB UMTS/HSPA: 850/900/1900/2100 MHz GSM: 850/900/1800/1900 MHz JM-VL01A: LTE: B2/B4/B5/B7/B12/B66 UMTS/HSPA: 850/1900 MHz GSM: 850/1900 MHz JM-VL01E: LTE: B1/B3/B5/B7/B8/B20/B28A UMTS/HSPA: 900/1900/2100 MHz GSM: 900/1800 MHz

Power

Battery	450mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9-36VDC

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Data storage	4Gb+2Gb
Digital inputs	ACC, SOS
Digital outputs	Relay

Physical specification

Dimensions	113,0 x 51,0 x 20,0mm
Weight	105g

Operating environment

Operating temperature	-20°C to +70°C
Operating humidity	5%~95%, non-condensing
IP rating	IP65

Feature

Sensors	Accelerometer
Scenarios	Vehicle movement alert, Over-speed alert, Geo-fence, Vehicle battery detection, Power supply disconnection
Driving behavior analysis	Harsh acceleration, Harsh braking, Harsh cornering, Collision
WiFi hotspot	2,4GHz