



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 suite of event-triggered alerts will make the VL01 a valuable part of your fleet management strategy.



LTE, UMTS & GSM Network

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



Driving Behavior Analysis (Basic)

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



Ignition Detection

Constantly detect the ACC/ignition status of 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 rot and damage caused by excessive temperature.



Panic Button

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



Multiple Alerts

Instant alerts for atypical events such as geo-fence entry/exit, abnormal vibration, speeding, power supply disconnection, etc.

Vehicle Tracking



Fuel Monitoring & Control



Logistics



GNSS

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

Cellular

Communication network	LTE/UMTS/GSM
Frequency	JM-VL01LA: LTE: B1/B2/B3/B4/B5/B7/B8/B28A UMTS/HSPA: 850/900/1900/2100 MHz GSM: 850/900/1800/1900 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