



# 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 networks.



## 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

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.

### Vehicle Tracking



### Fuel Monitoring & Control



### Logistics



## GNSS

Positioning system	GPS+WiFi
Frequency	L1
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-162dBm
Acquisition sensitivity	-149dBm
TTFF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 45sec

## Cellular

Communication network	LTE/UMTS/GSM
Frequency	<b>JM-VL01LA:</b> LTE: B1/B2/B3/B4/B5/B7/B8/B28AB UMTS/HSPA: 850/900/1900/2100 MHz GSM: 850/900/1800/1900 MHz <b>JM-VL01E:</b> 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, Overspeed alert, Geo-fence, Vehicle battery detection, Power supply disconnection
Driving behavior analysis	Harsh acceleration, Harsh braking, Harsh cornering, Collision
WiFi hotspot	2.4GHz