



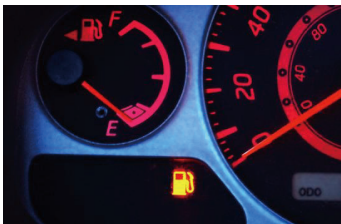
# JM-VL01

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.



Vehicle Tracking



Fuel Monitoring & Control



Logistics



### 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.

## Standard Configuration

### Positioning & Location

<b>Technology</b>	GPS
<b>Accuracy</b>	< 2.5m CEP
<b>Tracking sensitivity</b>	-162dBm
<b>Acquisition sensitivity</b>	-149dBm
<b>TTF (open sky)</b>	Avg. hot start ≤ 1sec; Avg. cold start ≤ 45sec

### Cellular

<b>Technology</b>	4G Cat 4, 3G (UMTS), 2G (GSM) JM-VL01LA: LTE: B1/B2/B3/B4/B5/B7/B8/B28AB UMTS/HSPA: 850/900/1900/2100 MHz
<b>Frequency</b>	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

<b>Battery</b>	450mAh/3.7V industrial-grade Li-Polymer battery
<b>Input voltage</b>	9-36VDC
<b>Power consumption</b>	Standby: ≤ 10mA

### Operating environment

<b>Operating temperature</b>	-20°C to +70°C
<b>Operating humidity</b>	5% to 95%, non-condensing
<b>IP rating</b>	IP65

### Interface

<b>LED indication</b>	GNSS (Blue), Cellular (Green), Power (Red)
<b>SIM</b>	Micro-SIM
<b>Digital I/Os</b>	1*ACC, 1*SOS, 1*Relay
<b>Analog I/Os</b>	ADC_1: 0-5V (Multiplex with the input for SOS)
<b>Voltage detection</b>	0-36V
<b>Memory capacity</b>	50,000 GPS data entries
<b>USB</b>	Micro-USB
<b>GNSS antenna</b>	Internal
<b>Bluetooth antenna</b>	Internal
<b>Serial ports</b>	RS485

### Feature

<b>Sensors</b>	Accelerometer Vehicle movement alert, Overspeed alert,
<b>Scenarios</b>	Geo-fence, Vehicle battery detection, Power supply disconnection
<b>Driving behavior analysis (DBA)</b>	Harsh acceleration, Harsh braking, Harsh cornering, Collision
<b>Bluetooth</b>	BLE 4.0
<b>Configuration support</b>	SMS, Tracksolid Pro
<b>Certification</b>	CE, FCC

### Physical specification

<b>Dimensions</b>	113,0 x 50,0 x 20,0mm
<b>Weight</b>	105g

## Optional Configuration\*

**RS485 sensor** Fuel sensor, Temperature sensor

\*Optional Configuration required to be customized or purchased separately.