



# JM-VL03

LTE Cat 1 Vehicle Tracker

The JM-VL03 is a 4G LTE GPS tracker mainly designed for the management of vehicles. The ability to work in 9-90V input voltage enables its compatibility with a wide range of vehicles. An advanced GPS antenna gives it strong signal acquisition and more accurate positioning capability. Designed with a driving behavior analysis system and multiple alerts, the JM-VL03 can increase the driving safety and vehicle security further effectively.



### LTE & GSM Network

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



### 9-90V Rated Voltage

Compatible with a wide range of input voltage, able to work on almost all vehicles.



### Driving Behavior Analysis (Basic)

You will receive immediate alert when driver's dangerous driving behavior is detected.



### Vehicle Battery Protection

Optimized battery protection prevents vehicle battery from draining out or damage.



### Remote Cut-off (Fuel/Power)

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



### Ignition Detection

Always keeps you informed of the ACC status of your vehicle.



### Tamper Alert

When device's attitude has (been) changed, e.g. falling or man-made removal, you'll get notified.



### Multiple Alerts

Instant alerts of typical events such as vibration, towing, geo-fence, speeding, etc.

Auto Insurance



Vehicle Tracking



Motorcycle



## GNSS

Positioning system	GPS+BDS+LBS
Frequency	L1
Positioning accuracy	<10 meters
Track sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

## Cellular

Communication network	LTE/GSM
Frequency	<b>JM-VL03E:</b> LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B34/B38/B39/B40/B41 GSM: 900/1800 MHz <b>JM-VL03A:</b> LTE: B1/B3/B7/B8/B28 GSM: 850/900/1800/1900 MHz <b>JM-VL03M:</b> LTE: B2/B4/B5/B7/B12/B13 GSM: 850/900/1800/1900 MHz

## Power

Battery	60mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9-90VDC

## Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Data storage	64+128Mb
Digital inputs	ACC
Digital outputs	Relay

## Physical specification

Dimensions	94,3 x 50,4 x 15,0mm
Weight	69,0g

## Operating environment

Operating temperature	-20 C to +70 C
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