



JM-VL03

LTE Cat 1 Vehicle Tracker

The JM-VL03 is a discretely-installed 4G LTE GPS tracker designed for the management of vehicles of all types. The wide, 9-90V input voltage range is compatible with almost all vehicles, and the features of this device will prove valuable in managing mobile assets of all sorts. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the advanced GPS antenna provides strong signal acquisition and more accurate positioning capability. In addition to these features, Driver Behavior Analysis (DBA) and the suite of event-triggered alerts will make the VL-03 a valuable part of your fleet management strategy.



LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



9-90V Operating Voltage

Wide operating voltage range is suitable for a huge variety of vehicles, including industrial equipment, scooters, golf carts, and more.



Driving Behavior Analysis (Basic)

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



Remote Cut-Off (Fuel/Power)

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



Ignition Detection

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



Multiple Alerts

Instant alerts for atypical events such as device removal, impounding, geo-fence entry/exit, abnormal vibration, speeding, etc.

Auto Insurance



Vehicle Tracking



Motorcycle



GNSS

Positioning system	GPS+BDS+LBS
Frequency	L1
Positioning accuracy	< 2,5m CEP
Track sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	LTE/GSM
Frequency	JM-VL03E: LTE-FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B34/B38/B39/B40/B41 GSM: GSM900/DCS1800 JM-VL03ME: LTE-FDD: B1/B3/B7/B8/B20/B28 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
Driving behavior analysis	Harsh acceleration, Harsh braking, Harsh cornering, Collision