



JM-VW01

3G Multifunctional Fleet Tracker

The JM-VW01 is a feature-rich and flexible fleet management device capable of meeting the fleet and logistics monitoring requirements for both current and future markets. Designed with a comprehensive I/O feature set including 1-Wire® and RS232 interfaces, the JM-VW01 supports a wide range of functions like fuel level and temperature monitoring, door status detection, driver ID, and more.



RS232*2 & 1-Wire® /RS485*1 & 1-Wire®

You can select between two versions (2 x RS232 / 1 x RS485) according to your requirements.



Remote Cut-off (Fuel/Power)

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



Dual GPS Antenna Design

External antenna for better GPS acquisition while the backup internal one prevents signal loss.



UMTS & GSM Network

Able to receive and transmit data in the coverage of 3G and 2G network.



Panic Button

A button close to driver allowing him to ask for immediate help with just a single press.



Fuel/Temperature Sensor (Optional)

Prevents fuel theft and leakage, also the damage to goods caused by abnormal temperature.



RFID Reader/iButton (Optional)

Identify drivers when they start vehicles, and collect and upload the drivers' identification.



Multiple Alerts

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

Fleet Management



Fuel Monitoring & Control



Public Transport



GNSS

Positioning system	GPS+LBS
Frequency	L1
Positioning accuracy	<2.5m CEP
Track sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 45sec

Cellular

Communication network	UMTS/GSM
Frequency	UMTS: 850/900/1900/2100 MHz GSM: 850/900/1800/1900 MHz

Power

Battery	500mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	11-36VDC

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Micro-SIM
Data storage	32+32Mb
Digital inputs	ACC, SOS, DIN
Digital outputs	Relay, DOUT

Physical specification

Dimensions	85.0 x 65.0 x 20.0mm
Weight	92g

Operating environment

Operating temperature	-20 C to +70 C
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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