



# VL512

## LTE Plug-in GNSS Tracker

The VL512 is a 4G OBDII tracker designed specifically for use in vehicles. Featuring a compact size body and an OBD port, this device is easy to install on virtually any passenger car and ideal for fleet management. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the GPS+BDS positioning system provides more accurate positioning capability, helping you stay informed about the location or condition of your fleet, telling you exactly where any of your vehicle has been, where it's heading and how fast it's traveling.



Fleet Management



Vehicle Tracking



Usage-based Insurance



### LTE & GSM Network

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



### Driving Behavior Analysis (Basic)

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



### Effortless Installation

Simply plug this device into OBDII socket, you don't have to turn to professionals.



### Remote Listen-in

Inconspicuous mic allows for remote monitoring and recording of ambient sounds around the device.



### GPS & BDS Positioning

Two complementary positioning systems ensure the locations to be accurately displayed on cloud platform.



### Multiple Alerts

Instant alerts for atypical events such as vehicle movement, speeding, geo-fence entry/exit, etc.

## Standard Configuration

### Positioning & Location

<b>Technology</b>	GPS, GLONASS, BDS, GALILEO, AGPS, LBS
<b>Accuracy</b>	< 2.5m CEP
<b>Tracking sensitivity</b>	-165 dBm
<b>Acquisition sensitivity</b>	-148 dBm (cold); -163 dBm (hot)
<b>TTF (open sky)</b>	Avg. hot start ≤ 1sec; Avg. cold start ≤ 38sec

### Cellular

<b>Technology</b>	LTE Cat 1, 2G (GSM)
	LTE FDD: B1/B3/B7/B8/B20/B28
<b>Frequency</b>	LTE TDD: B34/B38/B39/B40/B41
	GSM: 850/900//1800/1900MHz

### Power

<b>Battery</b>	50mAh industrial-grade LiCo battery
<b>Input voltage</b>	9-36VDC
<b>Power consumption</b>	Standby: ≤ 5mA

### Operating environment

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

### Physical specification

<b>Dimensions</b>	50.0 x 50.0 x 22.0mm
<b>Weight</b>	42g

### Interface

<b>LED indication</b>	GNSS (Blue), Cellular (Green)
<b>SIM</b>	Nano-SIM
<b>Digital I/Os</b>	N/A
<b>Analog I/Os</b>	N/A
<b>Voltage detection</b>	N/A
<b>Connector</b>	OBDII port
<b>Memory capacity</b>	5000 GPS data entries
<b>USB</b>	Type-C (for configuration)
<b>GNSS antenna</b>	Internal
<b>Bluetooth antenna</b>	N/A
<b>Serial ports</b>	N/A

### Feature

<b>Voice monitoring range</b>	≤ 5 meters
<b>Sensors</b>	Accelerometer
	Vehicle movement alert, Speeding alert,
<b>Scenarios</b>	Geo-fence, Voice-monitoring, Vehicle battery
	detection, Power supply disconnection
<b>Driving behavior</b>	Harsh acceleration, Harsh braking,
<b>analysis (DBA)</b>	Harsh cornering, Collision
<b>Bluetooth</b>	N/A
<b>Configuration support</b>	SMS, Tracksolid Pro, PC Tools, Type-C
<b>Certification</b>	CE, RoHS

## Optional Configuration\*

N/A

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