



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 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.



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 OBD II 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.



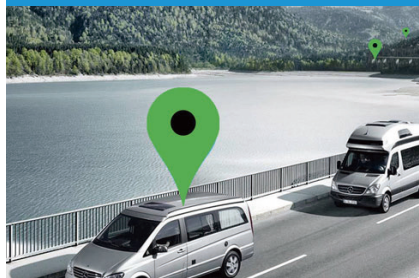
Multiple Alerts

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

Fleet Management



Vehicle Tracking



Usage-based Insurance



GNSS

Positioning system	GPS/BDS
Positioning accuracy	< 2,5m CEP
Tracking sensitivity	-165 dBm
Acquisition sensitivity	-148 dBm (cold) / -163 dBm (hot)
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	LTE Cat1 + GSM
Frequency	LTE FDD: B1/B3/B7/B8/B20/B28 LTE TDD: B34/B38/B39/B40/B41 GSM: 850/900//1800/1900MHz

Power

Battery	50mAh industrial-grade LiCo battery
Input voltage	9-36VDC

Interface

LED indication	GNSS (Blue), Cellular (Green)
Connector	OBD II port
SIM	Nano-SIM
USB	1 x USB Type-C for configuration
Data storage	16+16MB

Physical specification

Dimensions	51,0 x 50,0 x 22,0mm
Weight	42,0g

Operating environment

Operating temperature	-20°C to 70°C
Operating humidity	5%~95%, non-condensing

Feature

Voice monitoring range	≤ 5 meters
Sensors	Accelerometer and gyroscope
Ignition detection	External Power Voltage
Scenarios	Vehicle movement alert, Speeding alert, Geo-fence, Voice-monitoring, Vehicle battery detection, Power supply disconnection
Driving behavior analysis	Harsh acceleration, Harsh braking, Harsh cornering, Collision