



VL802

LTE Vehicle Terminal

The VL802 is an advanced 4G GPS tracker designed for the management of industrial and commercial fleets ranging from passenger cars and trucks to buses and beyond. This device's two-way communication can help fleet managers improve their driver management strategies. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases, and the suite of event-triggered alerts helps fleet managers monitor the status of their fleet in real-time. With RS485 interface and various other I/Os for peripherals, this powerful device can be customized to streamline your operations and boost efficiency.



LTE & GSM Network

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



Two-way Communication

Hands-free communication with your employee instead of using the phone.



Remote Listen-in

Inconspicuous mic allows for remote audio monitoring of the environment around the device.



Panic Button

Contact dispatch or emergency support with a discreet, in-cabin SOS button.



Ignition Detection

Constantly detect the ACC/ignition status of the vehicle.



Remote Cut-Off (Fuel/Power)

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



Bluetooth Configuration

Fast and simple device configuration via app for iOS and Android.



Multiple Alerts

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

Fleet Management



Auto Insurance



Public Transport



GNSS

Positioning system	GPS+BDS+WiFi
Frequency	L1
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-162dBm
Acquisition sensitivity	-160dBm
TTFF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	LTE Cat 1/GSM
Frequency	VL802-E: LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41 GSM: 850/900/1800/1900MHz VL802-L: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 GSM: 850/900/1800/1900MHz

Power

Battery	1,000mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9-36VDC

Interface

LED indication	GNSS (Green), Cellular (Blue), Power (Red)
SIM	Micro-SIM
Data storage	16+16MB
Digital inputs	ACC, SOS
Digital outputs	Relay
Configurable I/O	2 special I/Os can be configured as extra digital inputs or outputs
Analog detect	Support 0-5V

Physical specification

Dimensions	105 x 56 x 22mm
Weight	120g

Operating environment

Operating temperature	-20°C to +70°C
IP rating	IP65

Feature

Sensors	Accelerometer
Scenarios	SOS alert, Speeding alert, Abnormal vibration alert, Fatigue driving alert