



# 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.



Fleet Management



Auto Insurance



Public Transport

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### 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 Accessory Support

Enable the device to communicate with various Bluetooth sensors such as the K7800 environmental sensor.



### Multiple Alerts

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

## Standard Configuration

### Positioning & Location

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

### Cellular

<b>Technology</b>	LTE Cat 1, 2G (GSM) VL802-E: LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41
<b>Frequency</b>	GSM: 850/900/1800/1900MHz VL802-L: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28 GSM: 850/900/1800/1900MHz

### Power

<b>Battery</b>	1,000mAh/3.7V industrial-grade Li-Polymer battery
<b>Input voltage</b>	9-36VDC
<b>Power consumption</b>	Standby: 5mA Working: 33mA

### Operating environment

<b>Operating temperature</b>	-20°C to +70°C
<b>Operating humidity</b>	5% to 95%, non-condensing
<b>IP rating</b>	IP65

### Interface

<b>LED indication</b>	GNSS (Blue), Cellular (Green), Power (Red)
<b>SIM</b>	Micro-SIM
<b>Digital I/Os</b>	5 (with 2 configurable): ACC, SOS, Relay
<b>Analog I/Os</b>	ADC_1: 0-30V (±0.1V)
<b>Voltage detection</b>	0-30V (±0.3V)
<b>Memory capacity</b>	3000 GPS data entries
<b>USB</b>	Type-C (for firmware upgrade)
<b>GNSS antenna</b>	Internal
<b>Bluetooth antenna</b>	Internal
<b>Serial ports</b>	RS485

### Feature

<b>Voice monitoring range</b>	N/A
<b>Sensors</b>	Accelerometer
<b>Scenarios</b>	SOS alert, Speeding alert, Abnormal vibration alert, Fatigue driving alert
<b>Driving behavior analysis (DBA)</b>	Harsh acceleration, Harsh braking, Harsh cornering, Collision
<b>Bluetooth</b>	BLE 5.0
<b>Configuration support</b>	PC Tools, SMS, GPRS, Bluetooth
<b>Certification</b>	CE, FCC

### Physical specification

<b>Dimensions</b>	105,0 x 57,0 x 22,0mm
<b>Weight</b>	117,6g

## Optional Configuration\*

<b>Bluetooth sensor</b>	K7800 environmental sensor
<b>DMS camera</b>	JC170 DMS AI camera
<b>RS485 sensor</b>	Capacitive fuel level sensor, Ultrasonic fuel level sensor, Temperature sensor

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