



VL110C

LTE Vehicle Terminal

The VL110C is a compact 4G LTE Vehicle GNSS Terminal designed for the management of vehicles of all types. The wide 9-90V input voltage range is compatible with almost all vehicles. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases. It is a perfect tracker for a wide range of use cases -stolen vehicle recovery and the management of motorcycles, passenger cars, and light commercial vehicles.



Fleet Management



Stolen Vehicle Recovery



Motorcycle dealer



LTE & GSM Network

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



Remote Cut-Off (Fuel/Power)

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



9-90V Operating Voltage

Wide operating voltage range is suitable for a huge variety of vehicles, including industrial equipment, scooters, golf carts, and more.



Vehicle Battery Protection

Disconnect from the vehicle's power supply and operate on its internal battery when the device detects the vehicle battery drops to a critical level.



IP65 Water & Dust Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.



GNSS/LTE Jamming Detection

Issue an alarm, trigger a relay for fuel and power cutoff control after the device detects GNSS/LTE jamming (configurable via commands).

Standard Configuration

Positioning & Location

Technology	GPS, BDS, GLONASS, LBS
Accuracy	<2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start < 2sec; Avg. cold start < 38sec

Cellular

Technology	LTE Cat1 & GSM
	VL110C_EM:
	LTE-FDD: B1/B3/B7/B8/B20/B28
	LTE-TDD: B34/B38/B39/B40/B41
Frequency	GSM: B2/B3/B5/B8
	VL110C_LA:
	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28
	GSM: B2/B3/B5/B8

Power

Battery	270mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9-90VDC
Power consumption	Standby: <5mA

Operating environment

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

Interface

LED indication	GNSS (Blue), Cellular (Green), Power (Red)
SIM	Nano-SIM
Digital I/Os	1*ACC, 1*Relay
Analog I/Os	N/A
Voltage detection	0-90V (±0.3V)
Data storage	3000+ GNSS data entries
USB	Type-C (for firmware upgrade)
Microphone	N/A
No. of relays	N/A
GNSS antenna	Internal
Bluetooth antenna	N/A
Serial ports	N/A

Feature

Sensors	Accelerometer
	Vehicle movement alert, Speeding alert,
Scenarios	Geo-fence entry/exit, Vehicle battery detection,
	LTE jamming detection, GPS jamming detection
Driving behavior	Harsh acceleration, Harsh braking,
analysis (DBA)	Harsh cornering, Collision
Bluetooth	N/A
Configuration support	SMS, PC Tools, Tracksolid Pro, Type-C
Certification	CE/FCC/RoHS

Physical specification

Dimensions	94(L)*34(W)*15(H)mm
Weight	44g

Optional Configuration*

TTL

*Optional Configuration required to be customized or purchased separately.