

Global connectivity
2G

**Indoor and outdoor
Positioning
GNSS LBS**

Operating Temperature:
-20°C~+70°C

AOV 

**Easy to
Hide**

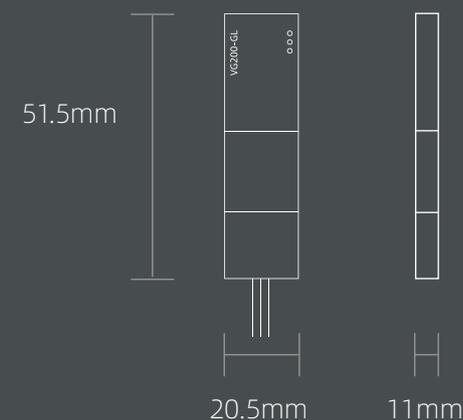
Ultra-small size

Supply Voltage:
**9v~ 40v
(9v~100v optional)**



Data Encryption:
TEA, AES or RSA (optional)

Firmware Upgrade:
USB interface, OTA



Dimensions:
51.5mm x 20.5mm x 11mm

2022 PRODUCT SPEC

“ THE DATA THROUGH THE WHOLE SHIPMENT IS CRUCIAL , SO WHAT WE NEED IS NOT ONLY TRACKER , BUT ALL DATA . ”

Aovx V series tracker devices are ideally for vehicle , trailer tracking and remote monitoring and command control , supporting by ACC ignition , relay control and multiple GPIOs for data telematics . Integrates global connectivity by cellular network 2G,4G Cat.1 , NB-IoT and Cat.M1 without data plan contract .

Aovx V series tracker devices have integrated multiple sensors for monitoring of movement , vibration , tampering , delay ,overspeed and geofence . Indoor and outdoor positioning supported by WIFI ,LBS and GPS ,GLONASS ,GALILEO and BEIDOU . Short range wireless BLE [Bluetooth Low Energy] is flexible for easy configuration , pair with external BLE sensors or accessories , which makes V series tracker device working as BLE gateway .

Aovx data is always crucial for assets management , which has been encrypted , data buffer capacity and uploaded via TCP/MQTT* protocols ,make it easy to deploy in the cloud platform. Firmware over the air OTA is always important for after sale maintaince .

Aovx insight platform view location and condition data of your shipments in real time to ensure on time and in full delivery , specify the constraints relevant to your shipments and receive notifications when issues arise and create detailed reports to share with customers and analyze your data to identify improvement opportunities.



“AOVX VISION IS TO HAVE SHIPMENT FULLY TRANSPARENT , WHERE THE ASSETS ARE ALL IN SAFE AND UNDER CONTROL ”

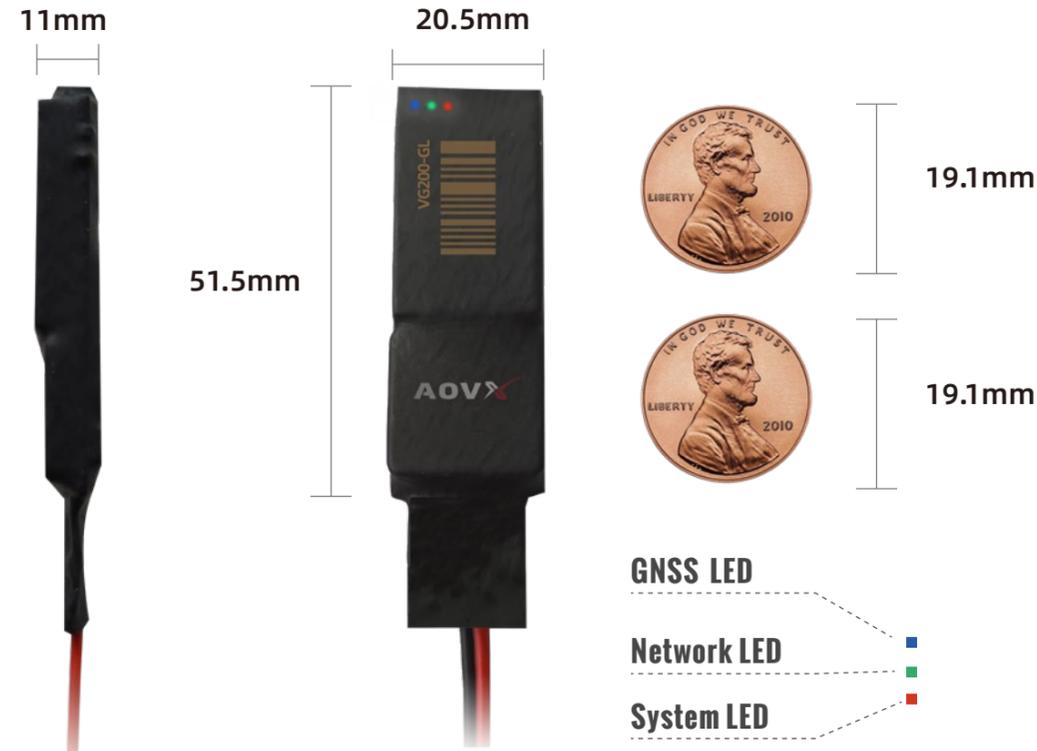
" People in the world are connected by mobile phone in the daily life , they share the location , emotion in the internet . At the age of IoT , we are thinking about if it is possible to have a basic functional mobile phone for these assets , which make them connected and have their data managed , it would make shipment smater and make assets safer .That's the reason why Aovx is here . Aovx team members are from Quectel ,Queclink ,Hikvision and Sony . Strong knowledge of cellular modules ,worldwide network and regulatory in tracker field . Aovx assets tracker solutions corp. is committed to protecting the assets in warehouse and in-Transit process , rather than location service , assets condition is also under monitored - vibration status , temperature alert embedded with multiple sensors and wireless technology , 4G LTE , NB-IOT and Cat.M1 , WIFI and BLE . Supported by "service consciousness, customer experience, executive action " business philosophy, continue to provide customers with stable and reliable product and technology sales services, grow together with customers success."

RICKY GUO
CEO
AOVX Assets Tracker Solutions Co.,Limited



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OVERVIEW



VEHICLE TRACKING V SERIES

FEATURES

General Specification

Operating Temperature	-20°C ~ +70°C
Dimensions	51.5mm*20.5mm*11mm
Weight	Approx. 29g
Firmware Upgrade	USB interface, OTA
Data Encryption*	TEA, AES or RSA(optional)
Supply Voltage	9V~ 40V (9V~ 100V optional)
Power Consumption	<10mA Sleep Mode <2mA Deep Sleep Mode

Global Deploy

VG200-GL (GSM only)	GSM: 850/900/1800/1900MHz
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General specification

Horizontal Position Accuracy	Autonomous: <2.5m CEP
Velocity Accuracy	Without Aid: <0.1m/s
Acceleration Accuracy	Without Aid: <0.1m/s ²
Reacquisition Time	<1s
TTF @-130dBm	Cold Start: <35s; Warm Start: <30s; Hot Start: <1s

Interface Features:

• VG200-GL	2 Wires
VG200	VCC GND

Hardware Features

USB	× 1, Micro
(U)SIM Interface	× 1, 1.8V/3V, Nano SIM card
Cellular Antenna	Internal
GNSS Antenna	Internal, GPS/BeiDou
LED	× 3, System LED Network LED GNSS LED

Air Protocol

GSM	GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL) EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL)
Command Set	Track protocol command
Transmit Protocol	TCP, UDP, SMS
Working Modes	Run mode for continues tracking Sleep/deep sleep mode for long standby time
Scheduled Timing Report	Report position and status at preset time intervals
Geo-fences*	Support up to 5 internal geo-fence regions
Wakeup Report	Report when the device wakes up
Trigger Report	Report when the device detects trigger events
Motion Detection	Motion detection based on internal 3-axis accelerometer
Reporting Frequency Adjustment	The device will increase the position reporting frequency when it turns a corner

Buffer Storage:

VG200	11000 message
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