InVehicle G710
Vehicle Gateway

The VG710 is a powerful vehicle gateway that provides comprehensive real-time communications for data-demanding mobile scenarios, such as first responder operations, heavy equipment monitoring and special transport tracking.

Police Car
Hazardous Materials
First Responder
VG710
Vehicle Gateway
Heavy Equipment
Fire Truck
School Bus

Police Car
High-bandwidth 5G or LTE Cat-6 connectivity, Gigabit Wi-Fi, VPN and data security.

Hazardous Materials
Geofence and real-time tracking of vehicle and cargo status.

First Responder
On-board communication hub, streamline ambulance to hospital operations.

School Bus
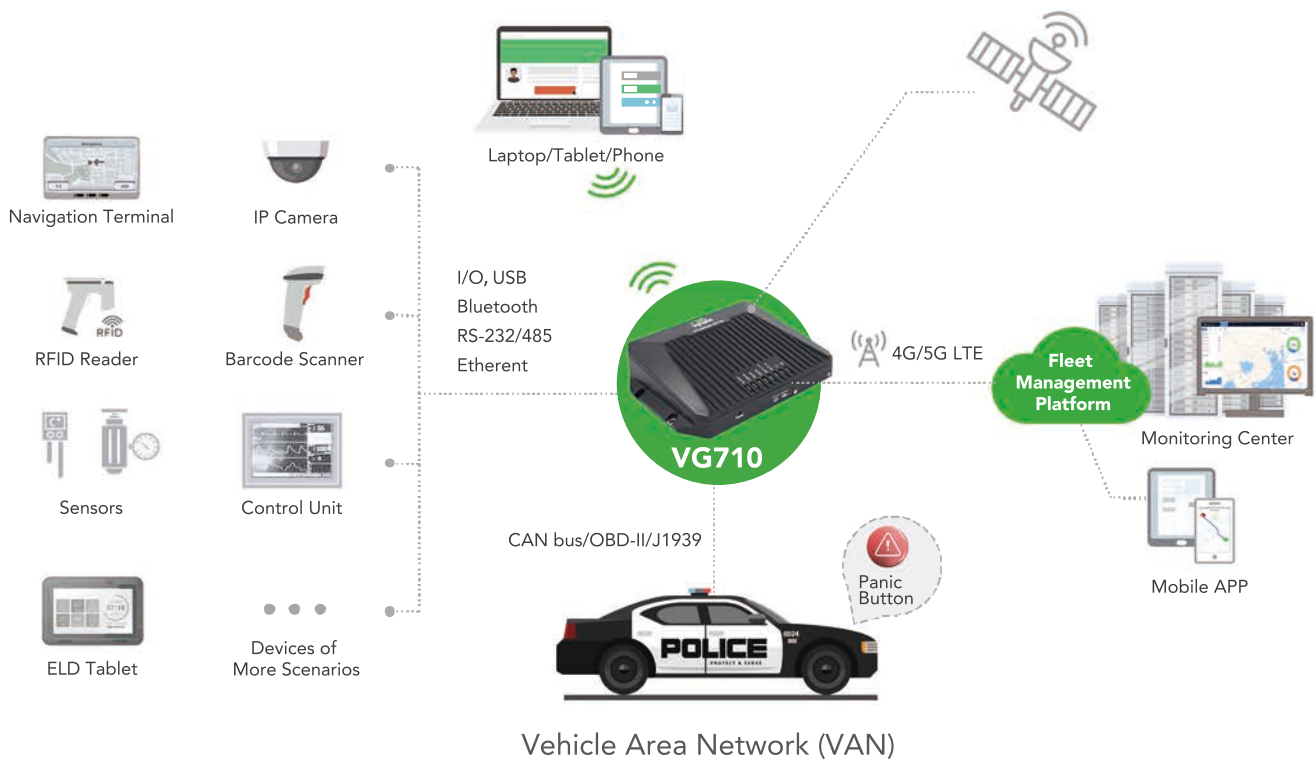Driver behavior monitoring, IP camera monitoring, dual-band Gigabit Wi-Fi.

Fire Truck
Edge computing-based fast route adjustment, supply depletion alert and more.

Heavy Equipment
Real-time monitoring and control, preventive maintenance of the equipment.

Networking Scheme

Navigation Terminal

IP Camera

RFID Reader

Barcode Scanner

Sensors

Control Unit

ELD Tablet

Devices of
More Scenarios

Laptop/Tablet/Phone

I/O, USB
Bluetooth
RS-232/485
Etherent

VG710

4G/5G LTE

Fleet
Management
Platform

Monitoring Center

Mobile APP

CAN bus/OBD-II/J1939

Panic
Button

Vehicle Area Network (VAN)

Features

High Performance Vehicle Area Network

+ High-speed 5G/ LTE Cat 6 connectivity; dual SIM failover
+ 2.4G/5GHz Gigabit Wi-Fi
+ Extensive I/O, Bluetooth, USB, RS-232/485, Gigabit Ethernet

Developer Features

+ Integrated Python SDK and Docker
+ Edge computing
+ High-performance ARM Cortex-A7 CPU, 512MB/1GB RAM,
   8GB flash plus MicroSD expansion up to 32GB
+ MS Azure and AWS cloud ready

Fleet Management

+ 72 channel high-accuracy GNSS positioning: GPS,
   GLONASS, Galileo and Beidou
+ Dual CAN bus (OBD-II, J1939, etc.) LINE, J1708
   for vehicle diagnostics
+ Audio, voice, built-in accelerometer and gyroscope
+ Supports fleet management platforms

Data Security On the Road

+ Comprehensive and strong security protection: VPN,
   HTTP/SSH protocols and firewalls

VG710

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