The VML750 Vehicle Modem harnesses the power of the 3G/4G LTE network, providing the speed, priority, control, and security that government agencies and utilities require. With the capability to fallback from 4G to 3G seamlessly it ensures optimal coverage and performance at all times.

The VML750 is ruggedized to withstand heat, cold, rain, humidity, dust and vibration. With flexible mounting options, it can be installed in a patrol car, fire apparatus, command vehicle, ambulance, mass transit bus, school bus, or utility truck.

A Wi-Fi® hotspot for up to 30 clients can turn the vehicle into a wireless hub and a built-in GPS component can be used for location tracking and route optimization.

Some of the key data applications enabled by the VML750 include CAD incidents, photos, video, blueprints, biometrics, GPS location, reports, telematics, email, and record searches.

**KEY BENEFITS**
- Connect the vehicle to commercial carrier or private 3G/4G LTE network
- VPN client for added security
- Extend range and performance with roof-mounted external antennas with Multiple-In-Multiple-Out (MIMO) configuration
- Built-in GPS enhances personnel safety and route optimization
- Solid-state, ruggedized design withstands heat, cold, rain, humidity, dust and vibration
- Supports geo-fencing: Location-aware selection of Wi-Fi, 3G or 4G network
## EMEA SPECIFICATIONS

### 4G LTE
- **Release**: 3GPP Release 9
- **Band Class**: Band 3, Band 7, Band 20
- **Power Class**: 3
- **Modulation**: QPSK, 16QAM uplink, QPSK, 16QAM and 64QAM downlink

### 3G
- **Band Support**: UMTS Band 1, UMTS Band 8
- **Power Class**: 3
- **Modulation**: QPSK, 16QAM

### CONNECTIVITY
- **Wi-Fi Connectivity**: 802.11b/g/n 2.4 G Hz
  - Device can act as access point or client up to 30 Wi-Fi devices
  - Range: up to 50 m (164 ft) line-of-sight
- **Wired Connectivity**: 1 Ethernet port (10/100 Mbps, RJ-45)
  - 1 USB 2.0 port OTG
- **WLAN Security**: WPA, WPA 2, WPA-PSK and WPA-EAP
- **GPS**
  - Autonomous GPS, Assisted GPS
  - 1 external antenna
  - Supports NMEA, TAIP - PV

### ANTENNA CONFIGURATION
- **Antenna No. 1**: Single sheath - Contains 2 antennas for WWAN1 DIV/Wi-Fi and GPS
- **Antenna No. 2**: Low Profile - WWAN1 LTE Main (where applicable), WWAN2 LTE Main, WWAN2 DIV
- **Antenna No. 3**: Low Profile Single sheath - Contains 4 antennas for WWAN2 LTE Main, WWAN2 LTE Div, Wi-Fi, GPS
- **Antenna No. 4**: Low Profile Single sheath - Contains 3 antennas for WWAN2 LTE Main, WWAN2 LTE Div, GPS

### PHYSICAL
- **Dimensions**: 205 x 200 x 45 mm (8.1 x 7.9 x 1.8 in)
- **Weight**: 2.5 kg (5.5 lbs)
- **Operating Temperature**: -30 °C to 60 °C (-22 °F to 140 °F)

### MANAGEMENT AND SUPPORT
- **Remote Configuration and Management**: OMA-DM compliant, field-upgradable via OTAP (over-the-air programming)
- **Operating System Compatibility**: Configuring, controlling, and operating the modem requires software running on Microsoft® Windows® 7 or later
- **Security**: Optional CRYTPR FIPS-140-2 compliant security storage module
- **Warranty and Service**: One year limited warranty
  - Available Service from the Start support program
  - Covers normal wear and use
  - Delivers technical and non-technical support response
  - Reduced repair turnaround time
  - Available in 2 or 3 years increments

### CERTIFICATION
- **Regulatory**: CE
  - R&TTE Directive 1999/5/EC, RED
  - Automotive Directive 2004/104/EC
  - ANATEL, CRC, IFT, SUBTEL, AARCETEL, TRA
  - Safety IEC/EN60950-1
  - RoHS II Directive 2011/65/EU
  - WEEE 2012/19/EU
- **Carrier Certifications**: GCF
- **Power**: 11.0 - 33.0 VDC

### ENVIRONMENTAL
- **Ingress Protection**: IP66 (protected against dust and powerful water jets)
- **MIL-STD 810G**: Low Pressure (Altitude) Operation 500.5 Proc. II
  - High operating and storage temperature 501.5 Proc. I, II
  - Low operating and storage temperature 502.5 Proc. I, III
  - Solar Radiation 505.5 Proc. I
  - Humidity 507.5 Proc. I, Cycle B
  - Salt 509.5 (8 hr)
  - Shock (Crash Hazard) 516.6 Proc. V