



**PUBLIC SAFETY LTE**

# VML750 LTE VEHICLE MODEM

The VML750 Vehicle Modem harnesses the power of the 3G/4G LTE network as well as Band 14 LTE, providing the speed, priority, control, and security that government agencies and utilities require. With the ability to fallback from 4G to 3G seamlessly and aggressively reselect to Band 14 during roaming, it ensures optimal coverage and performance at all times.

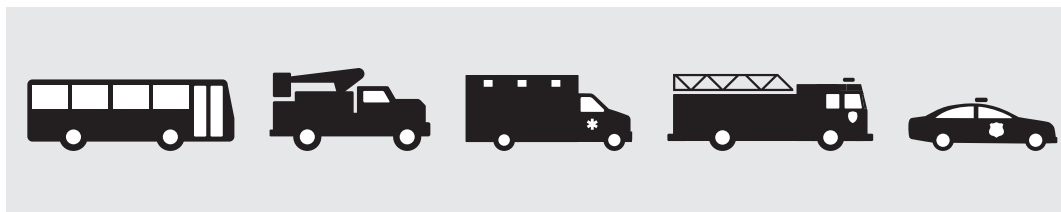
The VML750 is ruggedized to withstand heat, cold, rain, humidity, dust and vibration. With flexible mounting options, it can be installed in a patrol car, fire apparatus, command vehicle, ambulance, mass transit bus, school bus, or utility truck.

A Wi-Fi hotspot for up to 32 clients can turn the vehicle into a wireless hub and 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 Verizon or AT&T 3G/4G LTE and Band 14
- Seamlessly fallback from private network to 4G if outside of coverage
- Aggressive reselect to Band 14 when roaming on Verizon or AT&T
- 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



**SEE WHAT YOU'RE HEADING INTO**  
In-Vehicle Video Streaming



**BRING DISPATCH INTO YOUR CAR**  
Mobile Computer Aided Dispatch



**KNOW WHO YOU'RE DEALING WITH**  
Automatic License Plate Recognition



**GET YOUR WORK DONE IN THE FIELD**  
In-Vehicle Reporting

**PRODUCT SPEC SHEET**  
VML750 LTE VEHICLE MODEM

**SPECIFICATIONS**

**4G LTE**

Release	3GPP Release 9
Band Class	1710-1755 MHz, 2120-2155 MHz Band 4 700 MHz Band 14 700 MHz Band 13 700 MHz Band 17 800 MHz Band 20
Output Power	19 dBm effective radiated power (ERP)
Bandwidth	5 MHz, 10 MHz
Modulation	QPSK, 16QAM uplink QPSK, 16QAM and 64QAM downlink

**3G**

Band Support	EVDO Rev. A Band 0, Band 1, Quad Band GSM Band 10
Band Class 0 ERP	23 dBm
Band Class 1 ERP	23 dBm
Total Radiated Power (TRP)	20 dBm
Modulation	1xRTT: QPSK EVDO Rev 0: QPSK, 16QAM EVDO Rev A: QPSK, 16QAM

**CONNECTIVITY**

Wi-Fi Connectivity	802.11b/g/n 2.4 GHz Device can act as access point or client Up to 32 Wi-Fi devices 164 ft (50 m) line-of-sight
Wired Connectivity	1 Ethernet port (10/100 Mbps, RJ-45) 1 USB 2.0 port
WLAN Security	WPA, WPA 2, WPA-PSK and WPA-EAP
GPS	SiRFstarIV™-based Autonomous GPS 1 external antenna Supports NMEA, TAIP

**ANTENNA CONFIGURATION**

Main Antenna Housing	Single sheath contains 3 external antennas: <ul style="list-style-type: none"> <li>• WWAN1 main</li> <li>• WWAN2 main</li> <li>• GPS</li> </ul>
Diversity Antenna	Second antenna provides the following functions: <ul style="list-style-type: none"> <li>• WWAN1 diversity</li> <li>• WWAN2 diversity</li> <li>• Wi-Fi</li> </ul>
Maximum Antenna Height	17 in (43 cm), measured from mounting surface

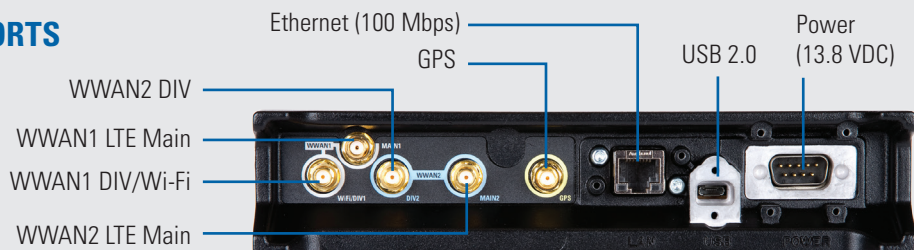
**PHYSICAL CHARACTERISTICS**

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

**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 one of the following operating systems:  Microsoft® Windows® 7 Microsoft Windows XP  Additional client devices running many operating systems can be connected to the VML750 modem over Ethernet or Wi-Fi.
Security	Optional CRYPTR FIPS-140-2 compliant security storage module  VPN IPSEC Tunneling
Environmental and Regulatory	FCC 47 Part 27, 15, 90 Safety EN60950-1 RoHS Directive 2002/95/EC PTCRB
Carrier Certifications	Verizon Wireless AT&T Wireless
Power	11.0 - 13.8 VDC
Durability	IP66 (protected against tight dust and powerful water jets)
MIL-STD 810G	Salt 509.5 Proc. I  Mechanical SHOCK 516.6 Proc. 1 Functional Vibration 514.6 Proc. 1, Category 4 Random Solar Radiation 505.5 Proc. I  Low Pressure (Altitude) Operation 500.5 Proc. I, II
Warranty and Service	One year limited warranty  Available Service from the Start support program <ul style="list-style-type: none"> <li>• Covers defects and normal wear and tear</li> <li>• Delivers technical support response within 4 hours</li> <li>• Reduced repair turnaround time</li> <li>• Available in 2-, 3- and 5-year increments</li> </ul>

**PORTS**



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