



PUBLIC SAFETY LTE

VML750 LTE VEHICLE MODEM

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 GHz 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 Connectors secured with screws for reliability
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 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
Warranty and Service	One year limited warranty Available Service from the Start support program <ul style="list-style-type: none"> Covers normal wear and use Delivers technical and non-technical support response Reduced repair turnaround time Available in 2 or 3 years increments

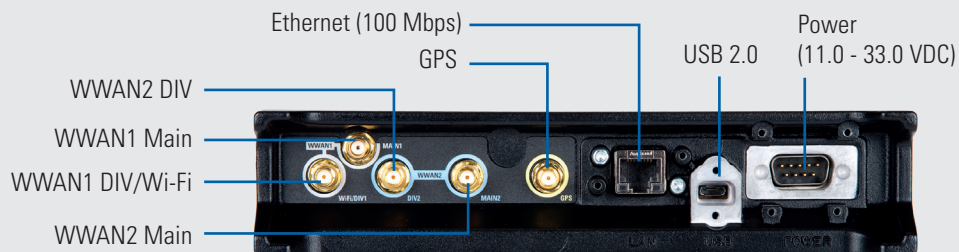
CERTIFICATION

Regulatory	CE R&TTE Directive 1999/5/EC, RED Automotive Directive 2004/104/EC ANATEL, CRC, IFT, SUBTEL, ARCOCEL, 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, II Solar Radiation 505.5 Proc. I Humidity 507.5 Proc. I, Cycle B Salt 509.5 (8 hr) Vibration 514.6 Proc. I, Category 4 Random Mechanical Shock 516.6 Proc. I, Functional Shock (Crash Hazard) 516.6 Proc. V

PORTS



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