MOTOROLA SOLUTIONS

PUBLIC SAFETY LTE

VML750 LTE VEHICLE MODEM

The VML750 Vehicle Modem harnesses the power of public carrier 4G LTE as well as public safety band 14 LTE, providing the speed, priority, control, and security that government agencies and utilities require. With the ability to fall back 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 30 clients turns 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

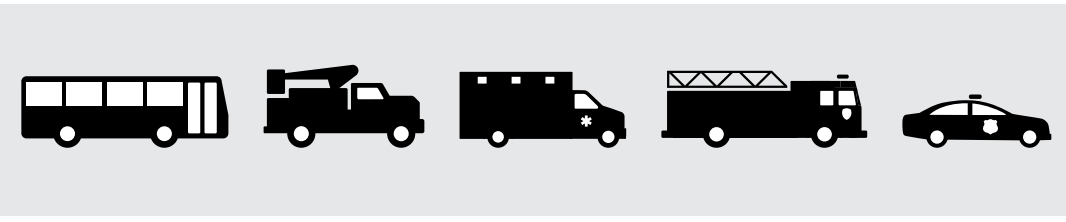
- Connect the vehicle to Verizon or AT&T 3G/4G LTE and Band 14
- Seamlessly fallback from private network to 4G if outside of coverage
- Aggressive reselect to Band 14 when roaming on Verizon or AT&T
- VPN client for added security
- Two-branch diversity downlink antenna configuration for maximum range and performance
- 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



SPECIFICATIONS

4G LTE		
Release	3GPP Release 9	
Band Class	**Public Safety** • Band 14	**Public Carrier** • Band 2 • Band 4 • Band 5 • Band 13 • Band 17
Power Class	3	
Modulation	QPSK, 16QAM uplink QPSK, 16QAM and 64QAM downlink	

3G	
Band Support	EVDO Rev. A Band 0, Band 1, Band 10 UMTS 2,5
Power Class	3
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 with Geo-Fencing auto switch Up to 30 Wi-Fi devices Range: Up to 164 ft (50 m) 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 1 external antenna Supports NMEA, TAIP

ANTENNA CONFIGURATION	
Main Antenna Housing	Single sheath - Contains 3 antennas for: WWAN1 LTE Main, WWAN1 DIV/Wi-Fi and GPS
Diversity Antenna	Low Profile - WWAN2 LTE Main, WWAN2 LTE DIV

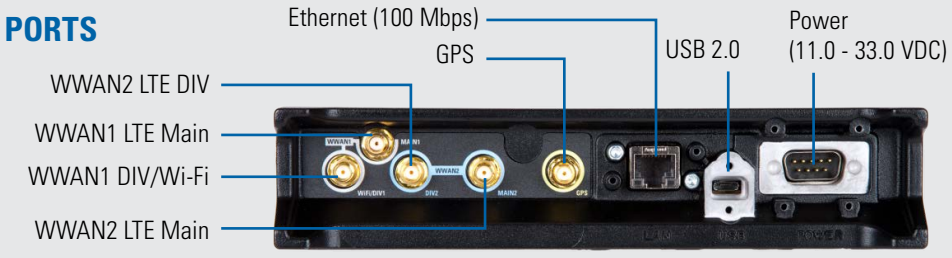
PHYSICAL CHARACTERISTICS	
Dimensions	8.1 x 7.9 x 1.8 in (205 x 200 x 45 mm)
Weight	5.5 lbs (2.5 kg)
Operating Temperature	-22 °F to 140 °F (-30 °C to 60 °C)

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 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 microSD security storage module VPN IPSEC Tunneling
Warranty and Service	Essential support choice for 2 and 3 years: • Covers defects and normal wear and tear • 5-day turnaround time in the repair depot Essential with enhanced comprehensive support: • Covers liquid, chemical, and physical damage • 3-day repair turnaround time in the repair depot

CERTIFICATION	
Environmental and Regulatory	FCC 47 Part 15, 22, 24 27 and 90 Safety IEC/EN60950-1
Carrier Certifications	Verizon Wireless AT&T Wireless PTCRB

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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