



PRODUCT INFORMATION

MULTICHANNEL VPN ROUTER 523



Technical Specifications

Enclosure format	Portable
Dimensions (WxHxD)	115 x 60 x 195 mm
	4.53 x 2.36 x 7.68 in
Dimensions with angle brackets (WxHxD)	182 x 67 x 195 mm
	7.17 x 2.64 x 7.68 in
Weight (ca.)	1.3 kg
	2.87 lb
Power rating	7–30 VDC, 2.5 A max, connector for operation in vehicles
Power supply	External power supply, 100–240 VAC, 50–60 Hz
Working temperature	-10° – 45° C
	14°–113° F
Cooling	Passive
Humidity	10–90 % (noncondensing)
LAN Interface	Fast Ethernet
WAN Interface	1x Fast Ethernet, 4x Global LTE
W-LAN Access point	2.4 & 5 GHz Dual Band 802.11a/b/g/n/ac 2x2 MIMO
GPS	L1 band with 1.57 GHz
Bonding capacity	up to 100 Mbps
SIM card holders	4x integrated beneath screwable cover (hot-plug capable)
Max. power consumption	15 Watt
Typical power consumption	10 Watt
Recom. # of users in LAN	25

By the use of four LTE Cat. 4 modems and a GPS receiver, the Multichannel VPN Router 523 makes high bandwidths and reliable data connections available for ultra-mobile usage scenarios globally.

The integrated 4G Global LTE modems support a total of 19 different LTE bands. With that, all major LTE frequency bands used world-wide are covered, making the device the ideal solution for international and cross-border use.

While LTE Cat. 4 has lower peak speeds than the more recent LTE-Advanced standard as used in the 520/521/522 sister models, in reality those peak speeds are hardly relevant - with LTE Cat. 4 you still get four times 150 Mbit/s down, 50 Mbit/s up.

The integrated GPS function allows locating the router at all times by using the administration tool. For efficient vehicle fleet management, this geo-tracking is very useful.

In four card holders, SIM cards of different cellular phone network providers can be used even cross-border to supply long-distance busses, trains, ships, utility and construction vehicles, emergency and service vehicles, sedans with professional multimedia equipment, river boats and lots more with Internet.

The integrated WiFi access point with 2.4 or 5 GHz (Dual Band) provides all the available bandwidth for up to 25 concurrent users.

Other deployment areas include the connection of variable locations, real-time video transmission through units not exceeding the size of a backpack as alternative to big broadcasting vans, mobile-to-mobile communication, and the highly available and encrypted linkage of emergency vehicles with sovereign duties like police cars, fire trucks, military and ambulance vehicles. With this router, the supply of devices with fast and reliable data linkage outside the service areas of grid-bound Internet connections can be realized as well without difficulty.



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The Multichannel VPN Router 523 stands out due to its robust and power saving layout.

It comes with 7 antennas (4x Dual MiMo LTE, 2x WiFi and 1x GPS). The eight SMA connectors also allow for the alternative use of external antennas. With that, it meets all demands made to a fast and highly available Internet connection for many intended uses.



This Viprinet router needs to have a subscription to Viprinet Lifetime Maintenance. Without a VLM license, updates and support will not be available.

ACCESSORIES

Antenna Solutions

- LTE/UMTS MIMO Dual Omni Panel Antenna
- LTE/UMTS Car Antenna
- LTE/UMTS Bumper Mount Antenna

Optional Additional Licenses

- Streaming Optimization
- Node Stacking
- Enterprise Node Features

Frequency Bands

- 4G LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
- 4G LTE-TDD: B38/B39/B40/B41
- UMTS: B1/B2/B4/B5/B6/B8/B19
- GSM: B2/B3/B5/B8GPS: L1 Band with 1.57 GHz

Connectors

- 8x SMA connector for LTE
- 2x RP-SMA connector for WiFi
- 1x SMA connector for GPS

Features

- Real bonding of all connection bandwidths
- Quality of Service / traffic shaping
- Monitoring (graphical and remote-syslog)
- Traffic accounting via external server
- Multi-user web administration system

Delivery Content

- 1 Multichannel VPN Router 523
- 2 Detachable mounting angles
- 1 Power supply unit with IEC power cable
- 1 Connector cable for vehicle electrical system
- 4 Dual-MiMo antennas with 2 m cable
- 2 Direct mount WiFi antennas
- 1x GPS antenna with 3 m (9.84 ft) cable