viprinet®

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, 3x 4.5G LTE-A Europe/Americas, 1x 4G Europe LTE 450 as permanent parts
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 screw-able cover (hot-plug capable)
Max. power consumption	15 Watt
Typical power consumption	10 Watt
Recom. # of users in LAN	25

PRODUCT INFORMATION
MULTICHANNEL VPN ROUTER 522

By the use of one LTE 450 and three LTE-A modems and a GPS receiver, the Multichannel VPN Router 522 makes high bandwidths and reliable data connections available for ultra-mobile usage scenarios in Europe and North America. Three integrated 4.5G LTE-A Europe/Americas modems guarantee optimal utilization of all available cellular mobile bandwidths in Europe and Australia.; the integrated 4G Europe LTE 450 modem allows offshore deployments especially in the Scandinavian region. The mobile phone standard LTE-Advanced–also called 4.5G–is available in many countries worldwide and allows higher bandwidths and higher ranges at the same time, thus providing long-term feasibility.

Especially in mobile usage, the integrated LTE-A/LTE-450/GPS modems ensure uninterrupted mobile phone connections due to the additional support for the mobile phone standard UMTS. The transition between different mobile phone standards is carried out seemlessly. The Multichannel VPN Router 522 uses the best available connection at all times and by that guarantees high throughput. The 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 any number of 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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PRODUCT INFORMATION
MULTICHANNEL VPN ROUTER 522

Frequency Bands

- LTE-FDD Band 1/2/3/4/5/7/12/13/20/25/26/29/30/31 (2100/1900/1800/1700/850/2600/700ac/700c/ 800DD/1900/US 850/US 700de/2300/450 MHz)
- LTE-TDD Band 41 (2500 MHz)
- HSPA+/UMTS Band 1/2/3/4/5/8 (2100/1900/1800/1700/850/900 MHz)
- GSM 900/1800 (900/1800 MHz)
- GPS: L1 Band with 1.57 GHz

Connectors

- 6x SMA connector for LTE-A/ MIMO
- 2x SMA connector for LTE 450 / MIMO
- 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 522
- 2 Detachable mounting angles
- 1 Power supply unit with IEC power cable
- 1 Connector cable for vehicle electrical system
- 1 Manual
- 1 CD with software
- 10 Direct mount cellular quad-band omni-directional antennas (6x for LTE-A, 2x for LTE 450, 2x for WiFi access point)
- 1x GPS antenna with 3 m (9.84 ft) cable

The Multichannel VPN Router 522 stands out due to its robust and power saving layout. It comes with 11 antennas (6x LTE-A, 2x LTE 450, 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