

Product Description



The **VX-MD3048** provides access technology deployments from Central Offices, fiber fed cabinets, and MDU/MTU buildings such as condos and hotels. Using existing twisted pair wiring, the **VX-MD3048** is able to deliver up to 200Mbps of broadband connection at distances longer than ever. The **VX-MD3048** allows for HDTV to be transmitted over twisted pair copper over a distance long enough to satisfy even the largest MDU/MTU installation. It can also reach long enough to provide ISPs with a solution for both data and voice to all of its current subscribers and beyond.

The **VX-MD3048** is the best choice for service providers looking to supply the ultimate Triple-Play solution of HDTV, voice, and data without the trouble and cost of laying new lines. VDSL2 permits the transmission of asymmetric and symmetric aggregate data rates up to 200Mbps on twisted pair copper using bandwidth up to 30MHz. It is also up to 8x faster than ADSL2+ over shorter distances. With the ability to provide a 48-port DSLAM for your network, Versa Technology ensures you get the most cost effective solution not only for your business, but your customers as well.

Features

- VDSL line capabilities: STP, RFI notching, UPBO, ADSL friendly, ISDN friendly
- IEEE standards: 802.1d STP, 802.1p QoS, 802.1q VLAN, 802.1w RSTP, 802.3 CSMA/CD, 802.3ad Link aggregation, 802.3u 100Base-X fast Ethernet, 802.3x Flow control
- IETF standards: RFC768 UDP, RFC783 TFTP, RFC791 IP, RFC792 ICMP, RFC854 Telnet, RFC862 ARP, RFC1157 SNMP v1, RFC1213 MIB-2, RFC1354 IP Forwarding MIB, RFC1757 RMON, RFC1902 SNMP v2, RFC2131 DHCP server, RFC2132 DHCP option, RFC2236 IGMP v2, RFC3046 DHCP relay
- Filtering: NetBEUI/NetBIOS, IP filtering, MAC filtering, DHCP snooping, IGMP snooping
- Console port: RS-232C 2-port; remote Telnet
- LED: System & uplink module
- System management: security & configuration
- Configuration management: setting, status retrieval, software upgrade, default configuration
- Performance management: VDSL line rate retrieval, Ethernet link rate retrieval
- Fault management
- ADSL2+ backwards compatible
- Configurable rate-limit per bridge port per VLAN



VX-MD3048

48-port VDSL2 Access Multiplexer

Specifications			
Uplink	100Base-FX/GBIC: Max 2 ports per switch card 100/1000Base-TX: Max 2 ports per switch card, FD, RJ-45	Management	SNMP for embedded agent EMS supporting Java-based GUI/CLI Remote download, loop-back test RS-232 async or Ethernet
Ports	48 VDSL2 ports 8-port VDSL2 line cards	LED	Power, link fault indication
VDSL2 Specification	IEEE 993.2 band plan: 25KHz ~ 138KHz (U0) Dynamic rate adaptation, UPBO, coexistence with POTS/ISDN	Power	-48VDC, 90 VAC ~ 220VAC, 50Hz – 60Hz
Protocols	Tag-based and port based VLAN 802.1p QoS, 802.3x flow control MAC filtering, IP filtering, DHCP filtering NetBEUI, NetBIOS, NBT filtering MAC address limitation IGMP snooping, broadcast storm control Rate limiting Stacking and single IP management	Temperature	-20°C - 60°C
Distance	Up to 200m @ 100Mbps Up to 1km @ 40Mbps Up to 2km @ 8Mbps asymmetrical	Humidity	10% - 90% non-condensing
		Dimensions	430 x 223 x 230mm (W x H x D)