



VES-1012 VDSL



MxU 1000 Systems VES-1012 VDSL

MxU 1000 Systems VDSL, the fastest offering of DSL, provides a much higher bandwidth than other DSL technologies. Ethernet over VDSL can extend Ethernet over single-pair copper wiring at distances of up to 5,000 feet. This technology provides a cost-effective, readily available and rapidly deployable solution that offers needed bandwidth to Multi Tenant Units (MTUs.)

MxU 1000 Systems VDSL has changed the fundamental economics of in-building broadband Internet services for the MTU marketplace, as tenants don't encounter limited bandwidth constraints. Even small to medium-sized corporate buildings can receive the same services as large companies. With MxU 1000 Systems VDSL, MTUs gain a cost-effective Internet deployment solution that preserves existing infrastructures, and in the process, building owners or service providers can receive a compelling new source for revenue generation.

This in-building MxU 1000 Systems VDSL Internet delivery solution is comprised of VDSL Ethernet switches, VES-1012 Unit(s) and CPE Modems - P841. The VES-1012 multiplexes voice and dial-tone traffic for 12 VDSL subscribers, receiving Internet connection WAN traffic from one or two 100M Ethernet ports that connect to any Ethernet switch Internet connection WAN port T1/T3/DSL/Cable/EP equipment router. With the VES-1012, Ethernet over VDSL can run up to 5000 feet in-building over existing in-wall telephone or Cat5 wire at speeds up to 15Mbps, which proves to be a promising technology and revenue generation tool for building owners and service providers.

The MTU-oriented Services of MxU 1000 Systems VDSL shines when the Internet provider brings fiber closer to the end users. VDSL becomes the best solution for delivering broadband service to people working or living inside the buildings, such as business parks, apartments, dormitories, campuses and hospitality suites.



Key Features:

Bandwidth of 5 to 15 Mbps Per Port in Full Duplex

Allows building owners and service providers to offer a variety of value-added services ranging from broadband Internet access to bandwidth-consuming video applications.

Broadband over Existing Telephone Wires

With VDSL, broadband service could be offered using the existing copper wires. New revenue could be generated with minimum installation time and expense.

Co-existence with Plain Old Telephone Service (POTS), Digital Phones and ISDN

VDSL can be implemented quickly, even if building owners have just one phone line per tenant. The existing POTS or ISDN services could be kept while adding new broadband services.

New Advances for Broadband Service Offering

The VLAN feature in the VES-1012 offers the benefits of both security and performance. Multicasting design improves network bandwidth utilization for bandwidth-consuming application, such as video on demand. New mechanisms, such as 802.1p, have also emerged to ensure quality of service. The new advances in the VES-1012 enable service providers to turn on broadband service to more customers quickly and at a lower cost than previously possible.

Scalable Platform for Future Expansion.

The flexible design of the VES-1012 allows service providers to start VDSL service at a minimum cost. As the number of subscribers and applications grow, the additional VES-1012 Units can be added to increase the available user base.

1. Select Product & Options from Row(s)	2. Pick this &	3. A or B.		4. Or, Exclusive Plus Plans
		A. Yearly PIA Maintenance	B. Monthly Maintenance	
MxU Systems 1000; VES-1012 12Port Phone Wire & CAT5 Ethernet Switch	Purchase			Plus Plan Monthly Rental w/ Maintenance
H. Base Pricing - VES-1012 Unit	\$1159.00	\$232.00	\$22	\$131/Mo.
C. Basic Configuration of Unit, & On-site setup of First Single (One) Unit.	\$300.00	\$30.00	\$2.80	\$17/Mo.
C. Basic Configuratrion of Unit & On-site setup of each additional Unit, with inital setup above.	\$150.00	\$30.00	\$2.80	\$17/Mo.
C. * P841 VDSL Modem, one per room, 12 per VES-1012 as needed.	\$95.00	\$19.00	\$1.78	\$10.65/Mo.
C. * Standard Basic Deployment of P841 & Testing Unit (on-site labor).	\$18.75	\$3.75	\$1.00	\$3/Mo.

Additional Equipment Requirements and Considerations:

Internet Service & Connection Equipment; Router / FW, PPCs, Racks, additional MxU Equipment, Switches, Patch Cables, AC Power Strips, Phone Blocks, Cable, Installation / Labor, Training, ZSG-1000 Subscriber Gateway, ZSG-100W HotSpot Wireless, Service & Support Agreements as elected for each custom site configuration.