

UVE7314-M

4-Port Ethernet over VDSL2 L2 Switch

Connects over two Ethernet LANs over VDSL2 technology



FEATURES

- ITU-T G.993.1/2 VDSL2 SG15Q4 DMT Compliance
- Compliant with ETSI, ITU and ANSI standards
- 10/100/1000Mbps Ethernet standards compliance
- 4 x RJ-11 Port for Ethernet over DSL2
- 4 x RJ-11 Port for corresponding POTS/ISDN Lines with worldwide standard splitter of each VDSL2 Port
- 1 x RJ-45 10/100/1000Mbps Ethernet uplink Port
- Supports Web-Based L2 & L3 QoS Management
- Supports SNMP (MIB Query) v1 & v2c management
- VDSL2 port supports up to 100Mbps downstream and 60Mbps upstream for distance up to 300 meters
- Trellis Coding supports up to 1024 DMT bin
- Supports a VDSL2 connection up to 1,500 meters over single pair RJ-11 telephone copper wire
- Features selectable Fast and Interleaved modes
- Selectable target data rate and target SNR margin
- Supports VDSL2 MCM MIB RFC-4070 standard and VDSL2 MIB RF-3728 standards
- Supports remote system management through SSH
- Supports convenient Web-based UGI management
- Whole system firmware upgrade through networks

Package Contents

- One 4-port Ethernet over VDSL2 Switch
- One User's Manual in CD-ROM
- One AC Power Cord

OVERVIEW

UVE7314-M is a 4-port VDSL2 Access Multiplexer (DSLAM) with one 1000Mbps Gigabit uplink port. It provides four VDSL ports and four POTS ports with DSL splitters. The DSLAM (Digital Subscriber Line Access Multiplexer) is accommodating well proven Ethernet and VDSL technologies to extend Ethernet over single-pair phone line with VDSL signal. Up to 100/60Mbps (downlink/uplink) bandwidth within 300 meters and 40/10Mbps for 1km long range connections, it provides ultra-high performance to the pervasive telephone line network to quickly deploy a high-speed IP-based network for high-speed internet access, video-on-demand service and advanced voice service like VoIP features.

The build-in one Gigabit uplink port as backbone for acts as bridge to the Internet for end-users connected through this VDSL Switch. UVE7314-M also features build-in POTS/ISDN splitters which fits most popular standards worldwide so that the VDSL service can share the existing phone line with end-users' POTS/ISDN telephone line service, thus reducing cost and overall wiring requirements.

The UVE7314-M can be easily configured through web-based management interface. The intelligent web-based management allows for streamlined configuration of this VDSL Switch through a single IP address. It also can be configured on a per-link basis for transmission mode, rate limitations, and single-to-noise (SNR) margin

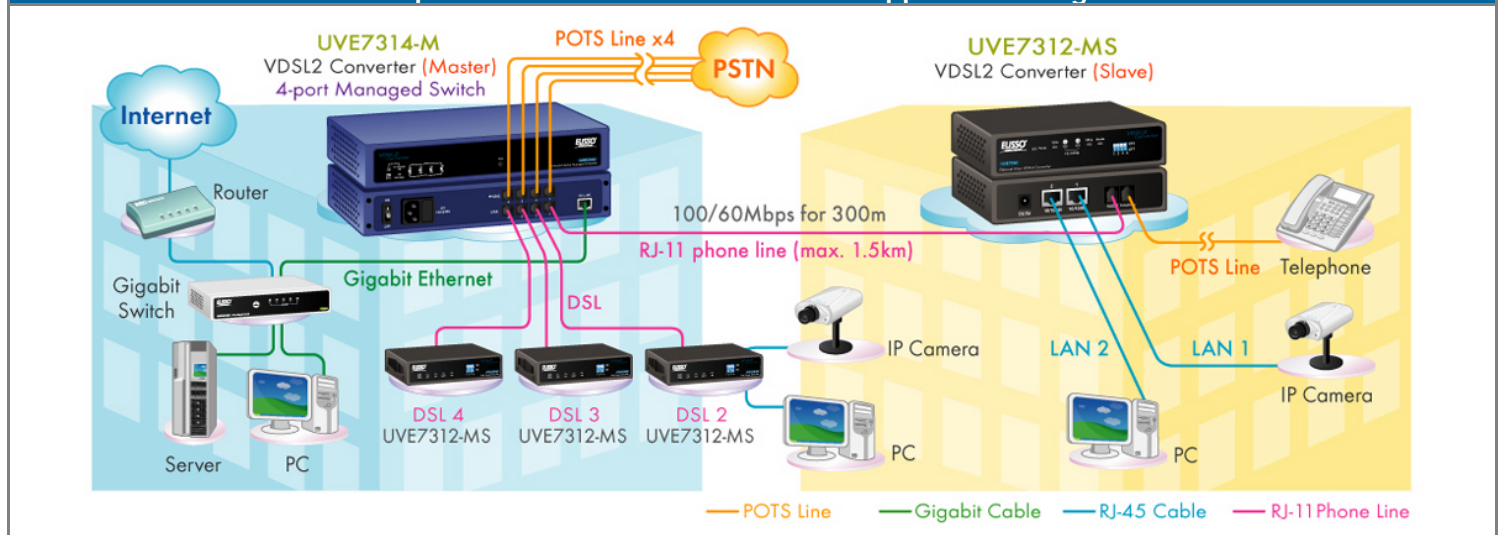
UVE7314-M provides rich diagnostic LEDs on the front panel for providing the operating status of the system. It is designed to build-in to a 1-U rack cabinet.

SPECIFICATIONS

System Specifications	
Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE803.3ab 1000BASE-T VDSL2 ITU-T G.993.1/2, SG15Q4 DMT compliance
Network Data Rate	Ethernet : 10/100/1000Mbps VDSL2 : Up to 100/60Mbps (Downstream/Upstream)
Management	Remote management through SSH Remote software upgrade Web-based UGI management EMS for management based on SNMP (optional) In-band and Out-band management SNMP v1 & v2c management
VDSL2 Speed	Downstream : 100Mbps over 300m Upstream : 60Mbps over 300m
Interface	4 x RJ-11 VDSL2 (G.993.2) Ports 4 x RJ-11 POTS/ISDN Splitter Ports 1 X RJ-45 10/100/1000Mbps Gigabit Ethernet port
Cable Connection	RJ-45 (10/100/1000Mbps) : UTP CAT. 5 · 5e · 6 (2-pair wire) RJ-11 (VDSL2) : AWG26 Telephone Line
Cable Length	Ethernet : Maximum 100 meters (UTP LAN cable) VDSL2 : Maximum 1,500 meters (RJ-11 Telephone Cable)
Hardware Specifications	
LED indicators	Power · ACT · 1000M · 100M · Port 1 ~ 4 (Data/Line)
Dimension	260(L) x 150(W) x 44(H) mm
Weight	1.2kg
Operating Temperature	0°C ~ 50°C
Operating Humidity	5% ~ 95% non-condensing
Power Supply	AC 100 ~ 240V
Certification	FCC · CE · RoHS

Application Diagram

4-port Ethernet over VDSL2 Switch Application Diagram



ORDERING INFORMATIONS

Model	Description
UVE7314-M	4-Port Ethernet over VDSL2 Managed L2 Switch

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