

UVE7312-MS

Ethernet over VDSL2 Converter

Connects over two Ethernet LANs over VDSL2 technology



FEATURES

- Compliant with VDSL2 ITU-T G.993.2
- Complies with IEEE802.3u 100Base-TX standard
- Complies with IEEE802.3 10Base-T standard
- Supports 1 x RJ-11 port for Ethernet over DSL2
- Supports 1 x RJ-11 port for telephone connection
- Supports 2 x RJ-45 ports for 10/100Mbps Ethernet
- Voice and Data work on the same telephone line
- EoVDSL2 port supports maximum throughput up to 50Mbps/100Mbps (upstream/downstream) over 1000ft (300 meter) distance
- Long Reach maximum throughput is around 17Mbps downstream over 5000ft (1500 meter) distance
- Provides a piano DIP switch for Master / Slave (CO/CPE) mode selection
- Plug-&-Play without any software configuration
- Transparent to all kind of network protocols
- Provides rich diagnostic LED indicators
- Desktop design with convenient magnet Mounting

Package Contents

- One Ethernet over VDSL2 Converter
- One User's Manual
- One Telephone Cable
- One 5V, 1A External AC Power Adapter

OVERVIEW

UE7312-MS, VDSL2 (Very-High-Bit-Rate Digital Subscriber Line 2, ITU-T G.993.2 Standard) converter, is an access standard technology that allow carriers to deliver data up to 100Mbps more bandwidth in both upstream and downstream paths over the existing copper plant. The Ethernet over VDSL2 Converter featured signal conversion technology between standard Ethernet (10Base-T and 100Base-TX) and innovative VDSL2 over Ethernet on the telephone line. It is an ideal solution to extend the distance of local area network from 100 meters to 1,500 meters. The VDSL2 Extender allows voice and data to be transmitted on the same line, saving a lot of redundant cost of wiring.

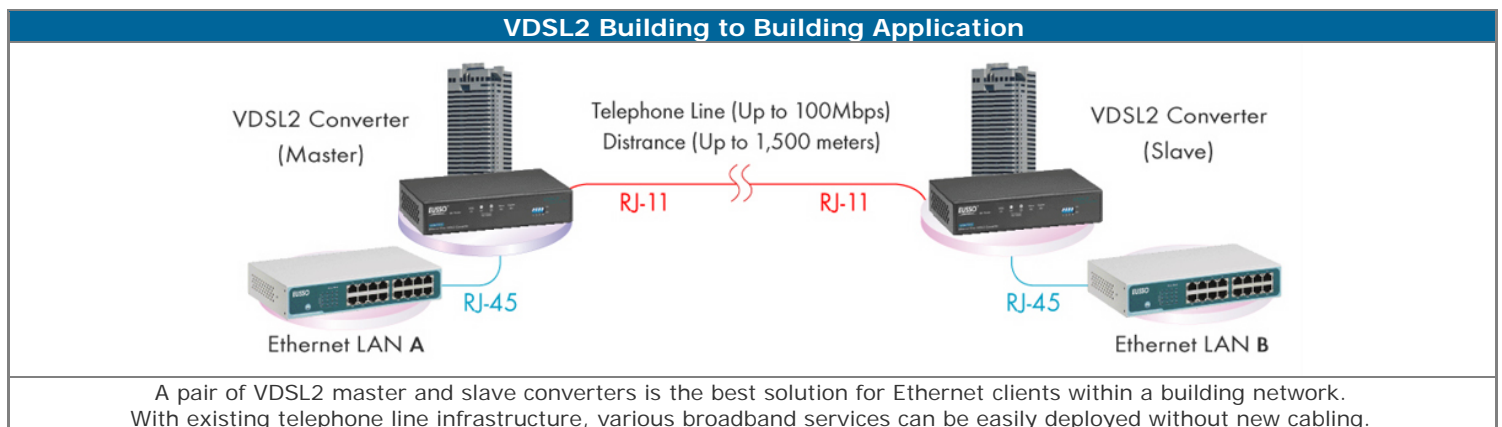
For network system integrators, this product is the best choice for planning centralized Internet access for hotels, offices, apartments and campus environment. In addition, it will allow operators to compete with cable and satellite providers by offering service such as high definition TV (HDTV), Video-on-demand, video-conferencing, high speed internet access and advanced voice service like VoIP, over a standard copper telephone cable. The VDSL2 technology is a cost effective solution to be used as last mile line into the home or office while the ISP and Telcos use Fiber optic lines as the backbone.

The converter is plug and play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LEDs on the front-panel for providing the operating status of the system.

SPECIFICATIONS

System Specifications	
Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX Ethernet over VDSL2 VDSL2 ITU-T G.993.2
Network Data Rate	Ethernet: 10/100Mbps VDSL2: Up to 100Mbps
Mode Control	Master Mode: Acts as Master (CO) Slave Mode: Acts as Slave (CPE)
VDSL2 Speed	Downstream: 100Mbps over 1000ft (300m) Upstream: 50Mbps over 1000ft (300m)
LAN Interface	Two RJ-45 connector 10/100M Fast Ethernet ports
VDSL2 Interface	One RJ-11 connector for VDSL2 One RJ-11 connector for telephone
Cable Connection	RJ-45 (10Base-T): UTP CAT. 3,4,5 (2-pair wire) RJ-45 (100Base-TX): UTP CAT. 5 (2-pair wire) VDSL2: Telephone line AWG26 (0.4-mm diameter, 1-pair wire)
Cable Length	Ethernet: Maximum 100 meters (UTP LAN cable) VDSL2: Maximum 1,500 meters (5000ft)
Hardware Specifications	
LED indicators	Power x1, VDSL x 1, LAN x 2 Master Mode x1 Slave Mode x 1
Dimension	122 (L) x 75 (W) x 26 (H) mm
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	10% ~ 90% non-condensing
Power Supply	5VDC, 1A, External Power Adapter
Certification	FCC Class A, CE Class A

Application Diagram



ORDERING INFORMATIONS

Model	Description
UVE7312-MS	Ethernet over VDSL2 converter with Master/Slave (CO/CPE) mode selection Switch

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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