

UVE7311



Ethernet over VDSL Converter Converting Ethernet to Phone Wire by VDSL Technology

FEATURES

- Comply with 10Base-T and 100Base-TX standards
- Support V-Ethernet standard
- One 10/100Mbps Fast Ethernet port
- One VDSL over Ethernet port
- Two RJ-11 connectors for v-Ethernet port
- Up to 30Mbps VDSL symmetry data bandwidth
- Extending distance up to 1.2Km phone line cable
- Voice and Data work on the same telephone line
- Transparent to all kind of network protocols
- Provide master/slave device to work in a pair

OVERVIEW

The Ethernet over VDSL Converter featured signal conversion technology between standard Ethernet (10Base-T and 100Base-TX) and innovative VDSL over Ethernet on the telephone line. It is an ideal solution to extend the distance of local area network from 100 meters to 1,200 meters. The VDSL 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. The V-Ethernet port supports the symmetry data bandwidth up to 30Mbps and transmission distance up to 4000ft (1.2Km). It is ideal for providing video-on-demand and multi-media service to apartment, hotel and campus. Moreover, the distance expansion also provides wide range coverage.

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 VDSL
Network Data Rate	Ethernet: 10/100Mbps VDSL: Maximum 17Mbps
Mode Control	Master (UVE7311-M): Control VDSL mode Slave (UVE7311-S): Follow Master's mode
Mode Switch	Master (UVE7311-M): One DIP switch for mode selection Slave (UVE7311-S): No switch for mode selection
VDSL Speed	Downstream: 15.17, 11.38, 5.69, 11.38, 15.17 Mbps Selectable Upstream: 4.27, 5.69, 11.38, 17.06 Mbps Selectable
LAN Interface	One RJ-45 connector 10/100M Fast Ethernet port
VDSL Interface	Two RJ-11 connector VDSL port (Phone/Net)
Cable Connection	RJ-45 (10Base-T): UTP CAT. 3,4,5 (2-pair wire) RJ-45 (100Base-TX): UTP CAT. 5 (2-pair wire) VDSL: Telephone line AWG26 (0.4-mm diameter, 1-pair wire)
Cable Length	Ethernet: Maximum 100 meters (UTP LAN cable) VDSL: Maximum 1,200 meters (0.4mm diameter phone line)
System Memory	8Kbyte Ethernet transmit and 16Kbyte Ethernet receive buffers
Physical Specifications	
LED indicators	System: Power Ethernet Port: 100M, Link/Activity, Full Duplex/Collision Ethernet over VDSL port: Link/Activity
Dimension	145 (L) x 115 (W) x 31 (H) mm
Operating Temperature	0 ~ 50 (32 ~ 122)
Operating Humidity	10% ~ 90% non-condensing
Power Supply	12VDC external power adapter
Certification	FCC Class B, CE Mark

APPLICATIONS

The converter provides 5 selective transmission modes that defined by predetermined profiles. By switching the transmission modes, you can obtain a best transmission mode to suit with phone line quality or distance of connectivity.

Profile Name	Profile Type	Downstream Rate (Mbps)	Upstream Rate (Mbps)	Maximum Distance between the CO Port and the CPE
ANSI	Public	15.17	4.27	2900 ft
ETSI	Public	11.38	4.27	3200 ft
VE-5	Private	5.69	5.69	3600 ft
VE-10	Private	11.38	11.38	3200 ft
VE-15	Private	15.17	17.06	2900 ft

ORDERING INFORMATIONS

Model	Description
UVE7311-M	Ethernet to VDSL Converter Master Device
UVE7311-S	Ethernet to VDSL Converter Slave Device

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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