

VDTU2-B110

VDSL2 Ethernet Bridge



VDTU2-B110 Ethernet Extender is a high-speed Ethernet Extender with one Ethernet port (RJ-45 connector) and one VDSL port (RJ-45 connector). It is a bridge mode modem, well accommodating VDSL2 (Very-high-data-rate Digital Subscribe Loop) technology to extend Ethernet service over single-pair phone line. It is compliant to ITU-T G.993.2 standard and supports VDSL2 30a profile that features 100Mbps of symmetric data rate over the existing copper wires. Supporting both symmetric and asymmetric transmission, it can reach up to 100/100 Mbps bandwidth (line rate) within 300M or 10/10 Mbps (line rate) for 1 Km long range connections. By providing ultra-high speed, VDTU2-B110 Ethernet Extender makes your telephone line achieve its best performance than before. It has the advantage of minimum installation time (simply as plug-n-play) and minimum expense by allowing video streaming and data to share the same telephone pair without interference. VDTU2-B110 Ethernet Extender delivers everything needed to quickly deploy a high-speed IP-based network for providing high-speed Internet access, video-on demand services and voice services. The resulting compact, cost-effective form factor offers Systems Integrators, small business owners an attractive Long Reach Ethernet solution.

Features

- Cost effective bridge function to connect two Ethernet LAN
- Supports flow control on Fast Ethernet port via PAUSE frame or Back Pressure
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play
- Selectable CPE and CO mode via DIP switch: Two working modes are built in the same unit, which keep the flexibility of installation and easy provision of service but lower inventory of service provider
- Selectable VDSL2 profile mode (17a or 30a): Support up to VDSL2 30a profile to ensure high data rate.
- Selectable target band plan: Symmetric: Support the band plan G.997 and provide the symmetric transmission on both downstream and upstream. Asymmetric: Provides highest line rate in short range in asymmetric mode.
- Selectable target SNR margin

Specifications

4-Pole DIP Switch	Selectable CO or CPE mode Selectable 30a or 17a (VDSL2 Profile) Selectable Band plan (Symmetric or Asymmetric) Selectable target SNR margin (6dB or 9dB)	VDSL Interface	RJ-45 connector DMT Encoding Complies with ITU-T G993.1/993.2/G.997.1 On-board surge protection
LAN Interface	RJ-45 connector Complies with IEEE 802.3/802.3u/802.3x 10/100 Base-T Auto-Negotiation, Auto-MDI/MDI-X	Dimensions	73.4 x 96.2 x 22.8 mm (D x W x H)
LED	LAN : ACT/LNK,10/100Mbps, Half/Full Duplex VDSL : Power On/Off, CO/CPE, Idle/Trained/Link	Temperature	0°C ~45°C
Power supply	DC 12 Volt over 3.5mm DC jack ; 4.2 Watt maximum	Humidity	0%~95%RH (non-condensing)
		Certification	CE FCC Part 15 Class B EN60950

Application



Ordering Information

Model Name	Description
VDTU2-B110	VDSL2 10/100-TX Ethernet Bridge
FMC-CH17-AC/DC/AD	2U, 17-slot FMC converter Chassis with AC, DC or AD Power

VDTU2 -
 Example: VDTU2 - B110
 Chassis Power Type
 FMC-CH17 -
 Example: FMC-CH17 - AD

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.