VDTU2A-304

4-Port VDSL2 LAN Extender

The VDTU2A-304 VDSL2 LAN Extender is a long reach Ethernet extender with four Ethernet ports and two phone jacks, in which one is for VDSL2 connection and the other is for POTS (Plain Old Telephone Service) connection. It has built-in POTS splitter to share the existing phone line with POTS eliminating the need for replacing the existing copper wiring. It is ideal for use as an Ethernet extender to an existing Ethernet network. While accommodating VDSL2 (Very-high-data-rate Digital Subscribe Loop) technology to extend Ethernet service over single-pair phone line, VDTU2A-304 can reach up to 100/75 Mbps bandwidth (line rate) within 300M or 40/10 Mbps bandwidth (line rate) for 1 Km long-range connections. By providing ultra-high speed, VDTU2A-304 LAN Extender makes your telephone line achieve its best performance ever. It has the advantage of minimum installation time (simple as plug-n-play) and minimum expense by allowing video streaming and data to share the same telephone pair without interference. VDTU2A-304 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 and small business owners an attractive long reach Ethernet solution.

Features

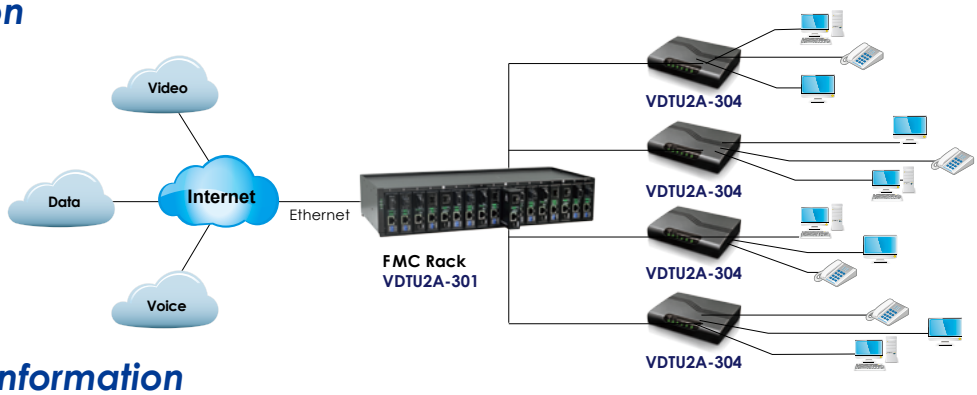
- Cost effective bridge function to connect two Ethernet LAN
- Easy installation via simple plug-and-play
- Selectable CPE and CO mode : Two working modes are built in the same unit, which keep the flexibility of installation and easy provision of service but lower inventory of service provider.
- Selectable fast and interleaved mode: Fast mode guarantees a minimum end to end latency less than 1 mS. Interleaved mode provides impulse noises protection for any impulse noise with duration less than 250uS. Interleaved mode has a maximum end to end latency of 10mS.
- Selectable target band plan : VDSL2 defines multiple band plans and configuration modes to allow asymmetric and symmetric services in same binder for data transmission.
- Asymmetric is selected that provides better downstream performance. Symmetric is selected that provides better upstream performance.
- Selectable target SNR margin: It has the ability to select fixed SNR margin value on 9 dB or 6db. The systems will maintain the SNR margin at their value across all usable loop length. The higher SNR value gets better line quality, but lower performance.

Specifications

Standards	Compliant with ITU VDSL2 standard G.993.2 Annex A, Annex B and Annex C
	Supports VDSL2 profile : 8a, 8b, 8c, 8d, 12a, 12b and 17a
	Band plan profile: symmetric (Plan 997) and asymmetric (Plan 998)
	Supports fast and interleaved mode
	Target SNR Margin : Selectable
	Built-in POTS splitter to share voice and data (Optional)
Management	Web-based GUI for quick setup, configuration and management
	Firmware upgradable from Web
LAN	Filtering functions for MAC/IP/Port
	QoS for Port/VLAN/DSCP/TCP-UDP Port number
	Port Based VLAN & IEEE 802.1q VLAN Tagging
	Port configuration for Bandwidth/Duplex/Speed/Flow control/Broadcast storm

Interfaces	Ethernet : 4x RJ-45 connectors for Ethernet 10/100Mbps ports with Auto-MDI/MDIX
	VDSL : 1x RJ-11 connector for VDSL2 port
	Phone : 1x RJ-11 connector for POTS Splitter (Optional)
	General : PWR and SYS
	WAN (VDSL2) : CO, CPE, LINK and ALM
	LAN (Ethernet) : 1, 2, 3, 4 LNK/ ACT
Indicators	General : PWR and SYS
	WAN (VDSL2) : CO, CPE, LINK and ALM
	LAN (Ethernet) : 1, 2, 3, 4 LNK/ ACT
Power	Input : AC 90~240V/50 ~ 60Hz ; Output : DC 12V/1A
Power consumption	9 watts maximum
Environment	Temperature : 0 ~ 45°C
	Humidity : 0% ~ 95% (non-condensing)
Dimensions	131.5 x 180 x 36.5 mm (D x W x H)
Weight	300g

Application



Ordering Information

Model Name	Description
VDTU2A-304/US	VDSL2 LAN Extender with 4-port 10/100Base-TX, splitter 600 ohm