VDTU2A-404

VDSL2 LAN Extender with 4 Ports GbE Ethernet

The VDTU2A-404 VDSL2 LAN Extender is a high-speed Ethernet Extender designed for applications under harsh environment. It is equipped with 4 Gigabit Ethernet Ports (RJ-45 connector) and one VDSL port (RJ-45 connector) in metal enclosure for easy installation in harden environment. 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 190/110Mbps bandwidth (line rate) within 300M. By providing ultra-high speed, the VDTU2A-404 VDSL2 LAN 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.

The VDTU2A-404 VDSL2 LAN 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.

Feature

- Metal enclosure for easy installation in Utility applications
- Cost effective bridge function to connect two Ethernet LAN
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play
- Supports VDSL2 Profile 30a High Throughput mode
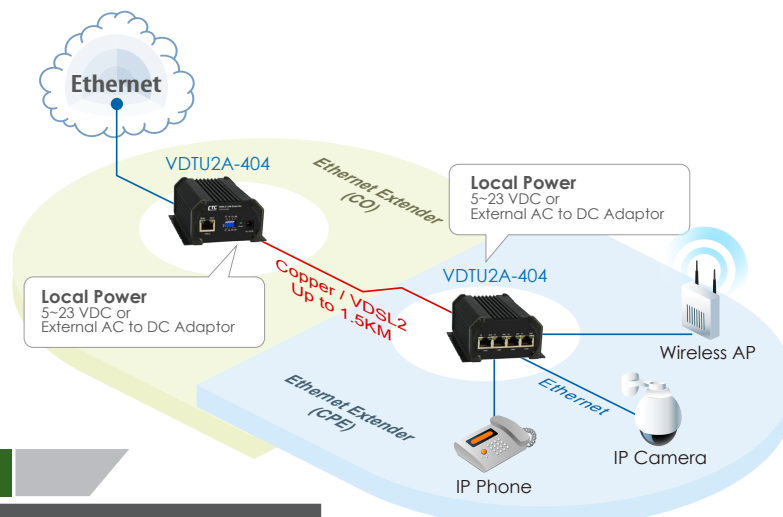- Supports VDSL2 Profile 17a long Reach mode

Specifications

VDSL Interface	RJ-45 connector
	DMT Encoding
	Complying with ITU-T G993.1/993.2/G.997.1
	On-board surge protection
LAN Interface	4 x RJ-45 connectors
	10/100/1000 Base-T; Auto-Negotiation, Auto-MDI/MDI-X.
	Complying with IEEE 802.3/802.3u/802.3z
4-position DIP Switch	Selectable CO or CPE mode
	Selectable Fast or interleave mode
	Selectable 30a or 17a (VDSL2 Profile)
	Selectable target SNR margin (6dB or 9dB)
LED	Power: On/Off
	LAN: Fast Ethernet/Gigabit Ethernet
	VDSL2: Mode - CO/CPE Link - Idle/Trained/Link
Power supply	External 12V/1A Power Adaptor
Power Consumption	4.5 Watts maximum
Dimension	110.7 x 88 x 40mm (DxWxH)
Operating Temperature	0°C ~50°C
Humidity	0%~95%RH (non-condensing)

Installation	Wall Mounting or Magnet Kit (optional)
Regulatory Compliance	CE, FCC Part 15 Class A, EN60950

Performance		
UTP, 24AWG		
Profile 30a : High Throughput Mode		
Distance (Feet)	Upstream Line Rate (Mbps)	Downstream Line Rate (Mbps)
500	97	183
1000	59	136
1500	40	96
2000	24	64
2500	10	56
3000	6	43
UTP, 24AWG		
Profile 17a : Long Reach Mode		
Distance (Feet)	Upstream Line Rate (Mbps)	Downstream Line Rate (Mbps)
500	54	129
1000	49	112
1500	39	84
2000	23	60
2500	11	45
3000	6	40
4000	1	31
6000	0.64	14
9000	0.36	4

Application

Ordering Information

Model Name	Description
VDTU2A-404	VDSL2 LAN Extender with 4-ports 10/100/1000Base-T RJ45

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