KEY FEATURES

- High speed Ethernet extension over UTP, CAT 5e/6/7 or Coaxial cables
- Support ITU-T G.993.5 G.Vectoring and G.INP
- Selectable 8 different profile settings via Dip Switch (G.INP/Interleaved, Target SNR 6/8/12/24 dB, Symmetric/Asymmetric Modes)
- Compatible with Xentino and third-party VDSL2 IP DSLAM when operates in CPE(RT) mode
- Configurable SNR profile for noisy environment
- Cost effective bridge function to connect two Ethernet LAN
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play
- Accompanied by Windows-based "DSLmonitor" tool for easy management
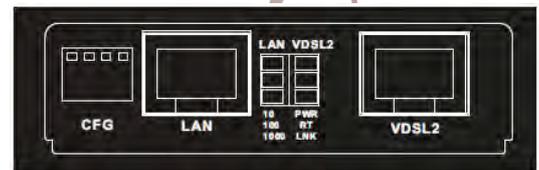
Front Panel

PRODUCT OVERVIEW

XENTINO VX200 is an **Ultra-Speed Gigabit Ethernet Copper Extender** that supports a remarkable aggregated bandwidth up to **300Mbps**. (Downstream: 150Mbps / Upstream: 150Mbps) It delivers fiber-optic like speeds on existing copper infrastructure, enabling a good alternative in place where fiber is not economical to deploy. The **VX200** is equipped with **a Gigabit Ethernet Port** (RJ-45 connector) and **one VDSL2 port** (RJ-45 connector). 8 different profile settings can be flexibly selected via dip switches to suit various applications and environments. Symmetric profile can be applied as a standard Ethernet connection while Asymmetric profile can be used for other services like Video streaming or IP surveillance services which require high traffic flow in an uni-direction configuration. The **VX200** supports transparent LAN bridging to extend Ethernet service over UTP, Cat 5+ or Coaxial cables. It is accompanied by a Windows-based software tool **DSLmonitor** that allows easy access for users to read and monitor the **VX200** through its Ethernet port. With **XENTINO VX200** superior performance in its category, it is the best high throughput Long Reach Ethernet Extenders for service providers to deploy their IP-based networking services to meet various application scenarios.

APPLICATION

Specifications

- **VDSL Interface:**
  - RJ-45 connector
  - DMT Encoding
  - Complying with G993.1/G993.2/G993.5/G.997.1/G.998/G.INP
  - On-board surge protection
- **LAN Interface:**
  - 1xRJ-45 connector
  - Complying with IEEE 802.3/802.3u/802.3z
  - 10/100/1000 Base-T; Auto-Negotiation, Auto-MDI/MDI-X.
- **4-position DIP Switch**
  - Selectable Master(OT) or Remote(RT) mode
  - Selectable 8 different profile settings via Dip Switch (G.INP/Interleaved, Target SNR 6/8/12/24 dB, Symmetric/Asymmetric Modes)

- **LED:**
  - Power : On/Off
  - LAN: Fast Ethernet /Gigabit Ethernet
  - VDSL2: Mode – CO(OT)/CPE(RT)
    Sync – Idle/Trained/Link
- **Power supply:**
  - 12VDC over 2.1mm DC Jack (External Power Adaptor included)
  - Power Consumption: 4.5 Watts maximum
- **Dimension(WxHxD):** 73.4mm x 22.8mm x 96.2mm
- **Operating Temperature:** 0°C ~45°C
- **Humidity:** 0%~95%RH (non-condensing)
- **Installation**(Optional)**:** Wall Mounting/Media Converter Chassis
- **Regulatory Compliance**
  - CE Class A
  - FCC Part 15B Class A
  - EN60950

Performance (Downstream/Upstream)

UTP – 26AWG CABLE					
Profile Setting 1: SYMMETRIC, SNR 8dB, G.INP			**Profile Setting 1: ASYMMETRIC, SNR 8dB, G.INP**		
Distance (Meter)	UpStream Line Rate (Mbps)	DownStream Line Rate (Mbps)	Distance (Meter)	UpStream Line Rate (Mbps)	DownStream Line Rate (Mbps)
150m	155 Mbps	158 Mbps	150m	100 Mbps	200 Mbps
300m	122 Mbps	126 Mbps	300m	77 Mbps	170 Mbps
450m	75 Mbps	80 Mbps	450m	38 Mbps	105 Mbps
600m	48 Mbps	56 Mbps	600m	22 Mbps	64 Mbps
750m	28 Mbps	38 Mbps	750m	10 Mbps	43 Mbps
900m	23 Mbps	28 Mbps	900m	9 Mbps	42 Mbps
1200m	---	---	1200m	6 Mbps	34 Mbps

* The above performance data is for reference only, the actual line rate may vary depending on the quality of the copper wire and environmental conditions.

Ordering Information

Model	Description
VX200	Ultra-Speed VDSL2 Gigabit Ethernet Copper Extender (1xGigabit Ethernet Port, 1xVDSL2 Port)
VX200I	Ultra-Speed Industrial VDSL2 Gigabit Ethernet Copper Extender (1xGigabit Ethernet Port, 1xVDSL2 Port)
VX200IDC	Ultra-Speed Industrial VDSL2 Gigabit Ethernet Copper Extender (1xGigabit Ethernet Port, 1xVDSL2 Port) – DC Powered