KEY FEATURES

- *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*
- *Metal enclosure for robust installation in Utility applications*
- *High speed Ethernet extension over UTP, CAT 5e/6/7 or Coaxial cables*
- *Cost effective bridge function to connect two Ethernet LAN*
- *Easy installation via simple plug-and-play in harsh environment*
- *Support ITU-T G.993.5 G.vectoring and G.INP*
- *Support wide operating temperature range*
- *IEEE 802.1Q VLAN tag transparent*

PRODUCT OVERVIEW

Xentino VX224 is a Lite Industrial Grade Ultra-Speed Gigabit Ethernet Copper Extender that supports a remarkable aggregated bandwidth up to 300Mbps. (Downstream: 150 Mbps/Upstream: 150 Mbps) It delivers fiber-optic like speeds on existing copper infrastructure, enabling a good alternative in place where fiber is not economical to deploy. The **VX224** is equipped with four Gigabit Ethernet Port (RJ-45 connector) and one VDSL2 port (RJ-45 connector or 2-PIN Terminal Block) in metal enclosure for easy installation in harsh environment. 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 **VX224** 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 **VX224** through its Ethernet port. With Xentino **VX224** 's 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 in harsh environment.

APPLICATION

Specifications

VDSL Interface:

- RJ-45 connector or 2-PIN Terminal Block
- DMT Encoding
- Complying with ITU-T G993.1/G993.2/G993.5/G.997.1/G.998 / G.INP
- On-board surge protection

LAN Interface:

- 4 x RJ-45 connectors
- 1000 Base-T; Auto-Negotiation, Auto-MDI/MDI-X.
- Complying with IEEE 802.3/802.3u/802.3z

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:

- Option 1: 12~24 (7.5-30 Max) Vdc over terminal block (External Power Adaptor not included)
- Option 2: 12 Vdc over 2.1mm DC Jack (Commercial Grade External Power Adaptor included)
- Power Consumption: 4.5 Watts maximum

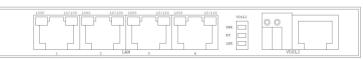**Dimension** (WxHxD): 130 x 94.7 x28 mm

Operating Temperature: -20°C ~65°C

Humidity: 0%~95%RH (non-condensing)

Installation (Optional): DIN Rail

Regulatory Compliance

- CE Class A
- FCC Part 15B Class A

Front Panel

Downstream/Upstream Performance

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

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

Ordering Info

Model	Description
VX224-AC	Lite Industrial Gigabit Ethernet Copper Extender (With Commercial Grade External AC to DC Power Adaptor)
VX224-DC	Lite Industrial Gigabit Ethernet Copper Extender (12~24 VDC over Terminal Block)