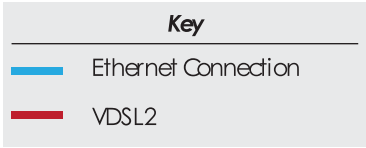
VX-VEB160G4 (V3)

Industrial 4-Port Gigabit Ethernet Copper Extender

Description

Versa Technology's VX-VEB160G4 (V3) is an Industrial Grade 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 via existing copper lines, providing a cost-effective alternative to fiber deployment. The VX-VEB160G4 (V3) features four Gigabit Ethernet Porst (RJ-45 connector) and one VDSL2 port (RJ-45 connector or 2-PIN Terminal Block) in a metal enclosure for easy installation in harsh environment. The 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 VX-VEB160G4 (V3) supports transparent LAN bridging to extend Ethernet service over UTP or Cat 5+ cables. With Versa's VX-VEB160G4 (V3)'s superior performance, it is the best high throughput Long Reach Ethernet Extender for service providers to deploy their IP-based networking services to meet various application scenarios in harsh environment.

Application



Asymmetric Mode *[Max. Upstream: 100Mbps / Max. Downstream: 200Mbps]*

Symmetric Mode *[Max. Upstream: 150Mbps / Max. Downstream: 150Mbps]*

USA: 800-989-2797
Worldwide: 909-591-8891
Fax: 909-591-6962

5224 Bell Court
Chino, CA 91710
www.versatek.com

Features

- High speed Ethernet extension over UTP or CAT 5e/6/7 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 third-party VDSL2 IP DSLAM's when operates in CPE(RT) mode
- Support wide operating temperature range
- Cost effective bridge function to connect two Ethernet LAN
- IEEE 802.1Q VLAN tag transparent
- Easy installation via simple plug-and-play in harsh environment

Specifications

System Information

VDSL Interface	• RJ-45 connector or 2-PIN Terminal Block • DMT Encoding • Complies 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 • 10/100/1000 Base-T; Auto-Negotiation, Auto-MDI/MDI-X. • Complies with IEEE 802.3 / 802.3u / 802.3z
4-Position DIP Switch	• Selectable OT or 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 - OT / RT • VDSL2: Sync - Idle / Trained / Link
Power Supply	• 12V DC over 2.1mm DC jack (Commercial Grade External Power Adaptor included) • Power Consumption: 4.5 Watts maximum

USA: 800-989-2797
Worldwide: 909-591-8891
Fax: 909-591-6962

5224 Bell Court
Chino, CA 91710
www.versatek.com

Operating Temperature	• -20°C ~ 65°C
Storage Temperature	• -40°C ~ 85°C
Humidity	• 5% ~ 95% RH (non-condensing)
Dimension	• 130 mm x 94.7 mm x 28mm (W x H x D)
Installation	• DIN Rail
Regulatory Compliance	• CE • FCC Part 15 Class A • EN60950

UTP, 26AWG
Profile Setting 1: Symmetric, SNR 8dB, G.INP

Distance (Feet)	Upstream Line Rate (Mbps)	Downstream Line Rate (Mbps)
500	155	158
1,000	122	126
1,500	75	80
2,000	48	56
2,500	28	38
3,000	23	28

UTP, 26AWG
Profile Setting 1: Asymmetric, SNR 8dB, G.INP

Distance (Feet)	Upstream Line Rate (Mbps)	Downstream Line Rate (Mbps)
500	100	200
1,000	77	170
1,500	38	105
2,000	22	64
2,500	10	43
3,000	9	42
4,000	6	34

** 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.*

USA: 800-989-2797
Worldwide: 909-591-8891
Fax: 909-591-6962
5224 Bell Court
Chino, CA 91710
www.versatek.com