

# Maximize Speed And Coverage Over The Reach Extended Copper

## IP-based VDSL2 Modem

## Long Reach IP-VDSL2 Modem

### VX-VEB165

#### DESCRIPTION

The VDSL2, the most advanced xDSL technology, maximizes the use of available copper capacity, and provides scalable symmetric and asymmetric "Ethernet grade" rates under all deployment scenarios in private and public networks. Using the QAM line-code, VDSL2 technology is as mature and cost-effective as legacy access technologies and ready for mass deployment. Versa Technologies VDSL2 solution powers true broadband access at Ethernet speeds while maximizing coverage over the existing copper infrastructure.

The **VX-VEB165**, Long Reach IP-based VDSL2 modem, guarantees unlimited access bandwidth up to 100Mbps necessary for high resolution video delivery as well as high speed data and toll quality voice. VDSL2 line card follows standards as ITU-T G.993.1, ANSI T1.424 and ETSI TS 101 270-1, 270-2.

With the VX-VEB165, Ethernet over VDSL2 can run up to 300m at the maximum speed up to 100Mbps and 3km at the speed of 8Mbps asymmetric for the FTTE application, which proves to be a promising technology and revenue generation gear for access carriers.

#### KEY FEATURES

- **Converged IP access for triple play services**  
TelePrism™/EX-5201 provides high-speed internet access, offering fully flexible bandwidth for converging voice, data and video applications to Ethernet over VDSL2.
- **Easy installation and maintenance** TelePrism™/EX-5201 supports robust performance as utilizing Ethernet OAM for link monitoring, loopback and fault indication with SNMP.



# VX-VEB165

Lastly Untapped Copper for 100Mbps ...  
Advanced Ethernet Meets the VDSL2 in the Copper Loop ...

## Specifications

| ITEMS                    |          | SPECIFICATIONS   |
|--------------------------|----------|--|
| Performance              |          | Link rate :<br>Up to 300m at 100Mbps/ up to 1Km at 40Mbps<br>Up to 2Km at 20Mbps /up to 3Km at 8Mbps       |
| Dimension                | Physical | 160mm(W)x38mm(H)x110mm(D)  |
|                          | Weight   | 1.5 lbs/680g   |
| Interface                | Line     | Type : 2-wire, Cat 3~5, 19 AWG to 26 AWG CPEV, TIV<br>Connector : RJ-11<br>Line Coding : QAM-based         |
|                          | LAN      | Type: IEEE802.3 standard compliant 10/100Base-TX<br>Connector: RJ-45<br>Auto-negotiation: Always ON        |
| LED                      |          | PWR, LINE, DATA, LAN   |
| OAM                      |          | LOF, LOS, LPR, etc.<br>Remote loopback<br>Remote software download   |
| Power Assumption         |          | DC 5V / 2A<br>100 VAC~220 VAC, 50Hz~60Hz<br>Surge protection (1 <sup>st</sup> Fuse & Inrush limiting )     |
| Environmental Conditions |          | Temperature: Operating 0°C ~ 40°C, Storage -5°C ~ 45°C<br>Humidity: Operating 20% ~ 80% , Storage 5% ~ 95% |



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