

KEY FEATURES

- Support all VDSL2 standards defined in ITU-T **G.993.2, G.994.1, G.997.1**.
- MSA compliant hot pluggable electrical interface
- Support G.inp (**G.998.4**) and G.vector (**G.993.5**)
- Wide -20°C to 75°C temperature range



PRODUCT OVERVIEW

Xentino VS80T is a VDSL2 SFP modem that interconnects with Gateway Processor by using a MSA (MultiSource Agreement) compliant hot pluggable electrical interface. The DSL chipset inside the VDSL2 SFP modem supports all VDSL2 profiles that defined by ITU-T G.993.2, and more importantly, it can be backward compatible with **ADSL2/ ADSL2+ and VDSL. Compliancy with G.994.1 and G.997.1 standards, ensures its interoperability with all existing broadband network services. Furthermore, **Xentino VS80T** also features the latest ITU standards such as G.inp (G.998.4) and G.vector (G.993.5).

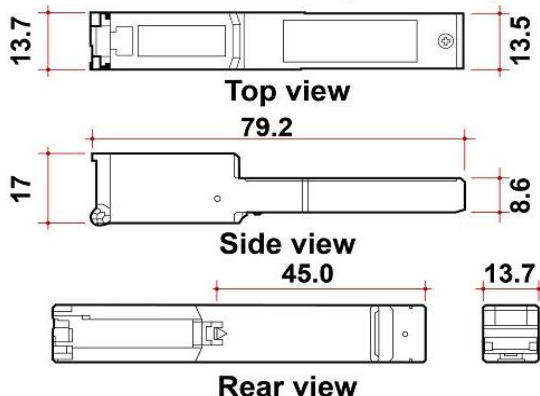
As broadband access technology has evolved rapidly, Service Providers need to upgrade their broadband network service every few years. Traditionally, Service Providers have replaced the entire CPE device in order to provide subscribers with faster Internet services. Not only does it increase their CAPEX and OPEX but also wastes resources and increase inventories. Leveraging **Xentino VS80T** VDSL2 SFP series in Service Providers' product portfolio will help them significantly reduced the software porting and testing effort and shorten their product time-to-market.

Xentino VS80T VDSL2 SFP modem realizes the modulation of VDSL2 broadband access. It can be integrated with routers, switches or residential gateways that are equipped with a SFP type of WAN interface. There's no more need for Service Providers to maintain more than one type of CPE device in the field or in the warehouse, moreover, this also can give them the possibility to future upgrade. Users can upgrade to any broadband access data rate easily only by plugging in different type of WAN SFPs such as VDSL2 35b/G.fast or optical TRx SFPs with the same internet box and user interface.

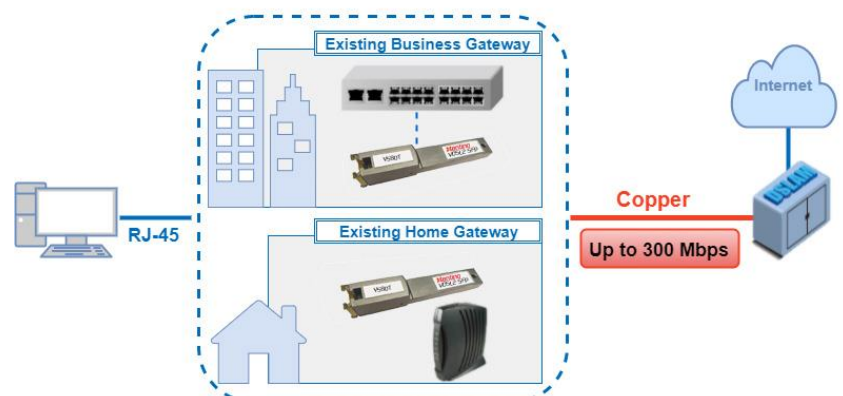
*** ADSL2/ ADSL2+ backward compatibility is possible, but currently not guaranteed or officially supported across all DSLAM vendors. Xentino is working with the relevant manufacturers to broaden support over time.*

MECHANICAL DIMENSIONS

(Units in mm)



APPLICATION



Features

| VDSL2 Transmission modes | | ADSL2+ Transmission modes | | Advanced Features from ITU | |
|--------------------------|--|---------------------------|--|----------------------------|--|
| VDSL2 profiles | 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a | Annex | A/L (B/M is optional by request) | G.inp | Supports G.inp described by ITU |
| Data rate | Up to 100 Mbps upstream / 100 Mbps downstream | Data rate | Up to 24 Mbps | G.vector | Supports all CPE features of G.vector |
| Annex | A/B/C | Modes | PTM & ATM (AAL5 and OAM cells) | ROC | Supports Robust Overhead Channel |
| Parameter | 997.1 Compliant | PVC | Up to 8 PVCs | Dual latency | Supported |
| Configurability | Implement the system setting via the EBM program | VC | Up to 65k VCs | OLR | Supports bit swapping, SRA, SoS and dynamic Interleaver depth (D) change |
| Other Unique Features | | | | US0 | Supported |
| Bootng | Serial Flash | QoS | Flexible packet sorting based on Ether Type, VLAN ID or VLAN priority (supports QinQ). | PBO | Both UPBO and DPBO supported |

Specifications

| | | |
|-------------------|---|--|
| Hardware | RJ-45 Female Connector (Fully compatible with RJ-11 Male Connector) | |
| | SERDES connect to host | |
| | LED 1 (Remain Undefined) | |
| | LED 2 (PWR/ Link Status indicator) | |
| Software | Self Boot & Managed by Internal Flash | |
| | Support Ethernet Boot & Management | |
| Power Requirement | | 2.1W / 3.3V |
| Environment | Operating Temperature | -20 ~ +75°C (SFP cage) |
| | Storage Temperature | -40 ~ +85°C |
| | Operating Humidity | 10% to 90% (non-condensed) |
| | Storage Humidity | 5% to 95% (non-condensed) |
| | ESD Standards | Contact: +/-4KV Air: +/-8KV (EN 61000-4-2) |
| | Radiated RFI Standards | Strength:10V/m (EN 61000-4-3) |
| | EFT/BURST Standards | Power:2KV Signal:1KV (EN 61000-4-4) |
| | Surge Immunity Standards | Power:2KV Signal:1KV (EN 61000-4-5) |
| Certification | | CE / FCC |

Ordering Information

| Model | Description |
|-------|-----------------------------------|
| VS80T | VDSL2 SFP TELCO MODEM (RJ45/RJ11) |