

SFP-VDSL2-SP-TELCO

SFP MODULE INTEGRATED VDSL-2



Introduction

SFP-VDSL2-SP-TELCO is a VDSL in SFP format. The SFP turns the VDSL Telco signal into an Ethernet connection like an optical SFP does. The **SFP-VDSL2-SP-TELCO** modem is backward compatible with ADSL2plus.

Key advantages

Simple, future-proof solution: Upgrade existing gateways with this easy-to-install SFP module. There is no need to replace entire CPE devices, saving time, money, and resources.

Universal compatibility: Works seamlessly with all existing broadband network services thanks to compliance with ITU-T G.993.2, G.994.1, and G.997.1 standards.

Unleash the power of VDSL2: Supports all VDSL2 profiles defined by ITU-T G.993.2, ensuring maximum performance for the network.

Ready for the future: Equipped with the latest ITU standards like G.INP (G.998.4).

Hot plug-in: Network (dis)connection can be made without interrupting or resetting the connected routers or switches.

Benefits for Telecom Operators

Reduced costs: Limits CAPEX and OPEX by eliminating the need to replace entire CPE devices.

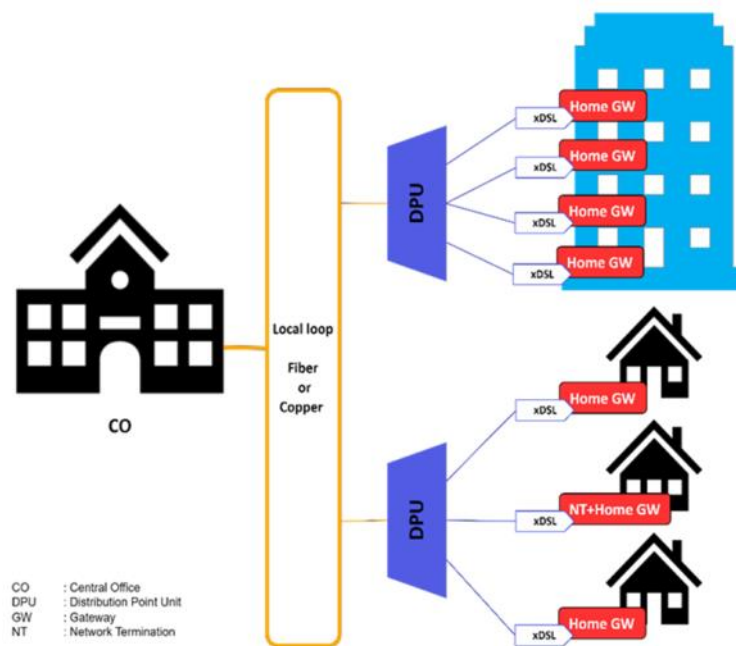
Unmatched flexibility: Integrates seamlessly with SFP-equipped networking devices.

Simplified Inventory Management: Eliminates the need for multiple CPE devices, streamlining warehouse operations.

Investment Protection: Future- proofs the network with advanced technology.

Customer satisfaction: Delivers instantly higher connection speed to a wider subscription base.

Typical application



Specifications

Key features:

VDSL2 transmission modes	ITU-T G.993.2 Amd.1-7, G.993.2 Annex A & B, G.993.5, G.994.1, G.997.1
VDSL2 profiles	8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a
ADSL2plus support (optional)	G.992.3 Annex A & L, G.992.5 Annex A
Advanced ITU features	G.INP described by ITU Dual latency: Supported OLR: Supports bit swapping, SRA, SoS, and Dynamic Interleaver Depth change USO: Supported PBO: Both UPBO and DPBO supported

Hardware

RJ-45
 SERDES connector to host
 LED 1 (CO/ CPE indicator)
 LED 2 (PWR/ Link Status indicator)

Software

Self-Boot & Managed by Internal Flash
 Linux driver for managed devices
 System setting via the EBM program

Power

3.3V, 700mA

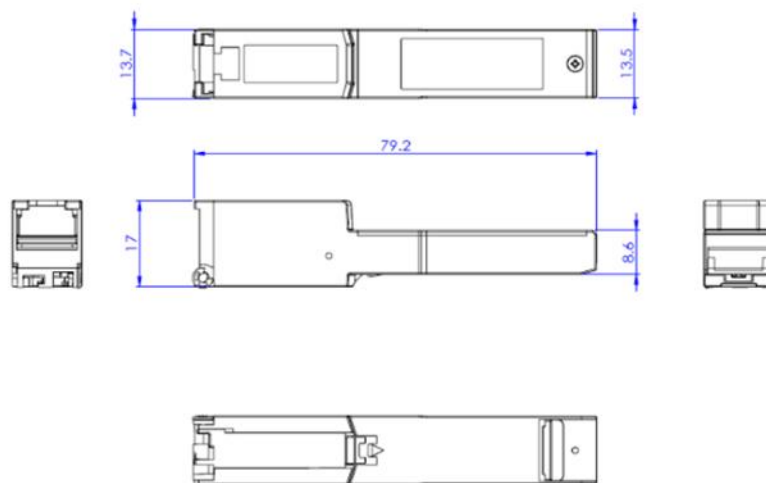
Environmental

Operating Temperature : -20 ~ +75 °C
 Storage Temperature : -40 ~ +85 °C
 Operating Humidity : 5% 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

Dimensions



Ordering Information

Part #	Description
SFP-VDSL2-SP-TELCO	Gigabit SFP with VDSL2 modem, mode CPE to connect to carrier DSLAM, ITU-T G.993.2/994.1/997.1/998.4/993.5, adaptive in speed up to 300 Mbps, power consumption 2.3 W, operating temperature range -20 to +75 °C