

# 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 Telcom Operators

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

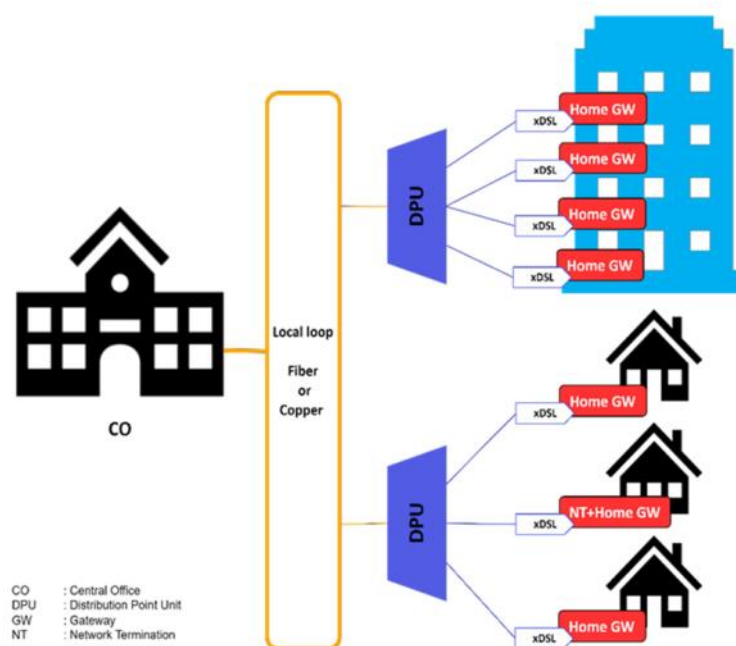
**Unmatched flexibility:** Integrates seamlessly with SFP-equipped networking devices.

**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  
G.997.1

VDSL2 profiles

ADSL2plus support (optional)

Advanced ITU features

ITU-T G.993.2 Amd.1-7, G.993.2 Annex A & B, G.993.5, G.994.1,

8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a

G.992.3 Annex A & L, G.992.5 Annex A

G.INP described by ITU

Dual latency: Supported

OLR: Supports bit swapping, SRA, SoS, and Dynamic Interleaver Depth change

US0: 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)

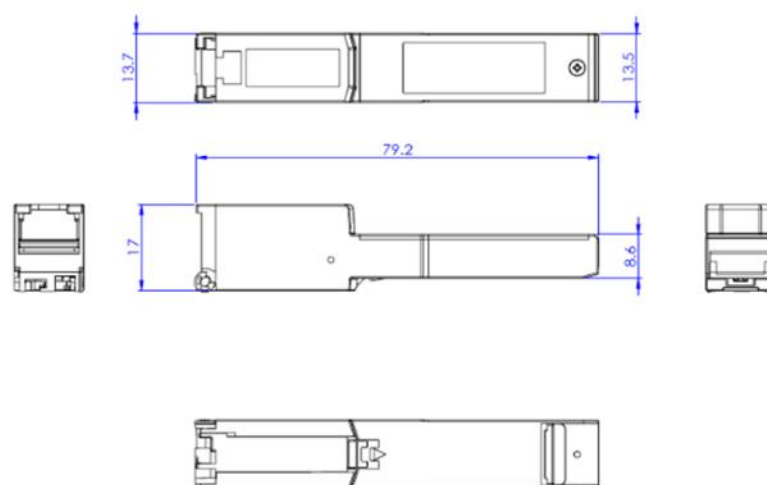
EFT/BURST Standards Power : 2KV Signal: 1KV (EN 61000-4-4)

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



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