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SFP Transceiver 1000 Base-X, 2 fibers (LC) SM

SFP (Smart Form-Factor Pluggable) transceiver module 1000 Base-X with LC connector that offers the possibility to extend the network up to 10 km through single-mode (SM) dual fiber.

This high performance media adapter can be connected to an Ethernet input of a CoaxData device to allow its access to an Ethernet signal through optical fiber.

Ref.769210

Art.Nr

EKASFP2F

EAN13

8424450167175

Highlights

- Small Form Pluggable (SFP) module
- 2 single-mode fibers (SM)
- Operating data rate of 1250 Mbps
- Duplex LC connector
- Up to 10 km transmission distance
- Differential LVPECL inputs and outputs
- TTL signal detect indicator
- Hot-pluggable capability
- CoaxData Modem (ref. 769202) compatible
- WaveData Access Point (ref. 769002) compatible

Discover

What is a SFP?

The Small Form-Factor Pluggable (SFP) devices are adapters that generate an interface to allow access to an Ethernet signal through Optical Fiber. These devices can be connected to the inputs of different Ethernet and GPON equipment, allowing the transmission/reception of the information by connecting to single-mode or multi-mode fiber or Ethernet cables.

Among the advantages of using SFP modules, we can highlight the reduction of space, lower energy consumption, or the increase of transmission distances.

Which SFP do I need?

Based on the devices to which they are connected, the transmission speed, or the type of cable used, several options are available in the whole range of media converters. The compatibility between the SFPs and the different Ethernet and GPON equipment is described below.

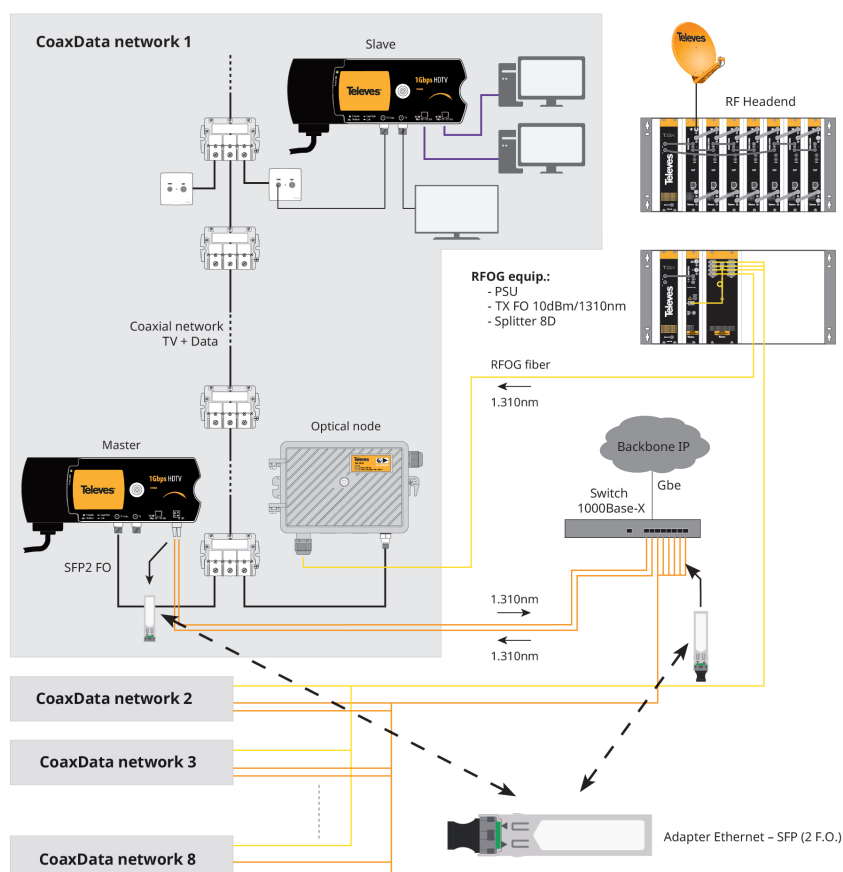
| Reference | 769520 | 769210 | 769212 | 769214 | 769410 | 769411 | 769412 | 769413 | 769414 | 769415 | 769150 |
|--|--------------------------------------|--|---|--|--------------------------------------|---------------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|---|
| Models | ONU SFP Adapter 1000 Base-X (SC/APC) | Ethernet – SFP Adapter 1Gb, 2 fibers (LC/UPC) SM | Kit: 2 Ethernet – SFP Adapters 1Gb, 1 fiber (LC/UPC) SM | Ethernet – SFP+ Adapter 10Gb, 2 fiber (LC/UPC) | SFP Adapter GPON B+, 1 fiber (SC/PC) | SFP Adapter 1Gb, RJ45 connector | Ethernet – SFP+ Adapter 10Gb, 2 fiber (LC/UPC) | SFP Adapter GPON C+, 1 Fiber (SC/PC) | SFP Adapter GPON C+, 1 Fiber (SC/PC) | SFP Adapter GPON B+, 1 Fiber (SC/PC) | Ethernet – SFP Adapter 1Gb, 2 fibers (LC/PC) MM |
| Compatible with Managed Ethernet Switches: 769140 769141 769144 769145 769146 769147 769148 769149 769152 | OK | OK | OK | OK* | - | - | OK* | - | - | - | OK |
| Compatible with Unmanaged Ethernet Switches: 768115 768116 | - | OK | OK | - | - | - | - | - | - | - | OK |
| Compatible with Industrial Switches: 768150 | OK | OK | OK | - | - | - | - | - | - | - | OK |
| Compatible with Routers: 769111 | - | OK | OK | - | - | - | - | - | - | - | - |
| Compatible with GPON OLT modules: 769403 769420 769421 769422 | - | - | OK | OK** | OK | OK | OK | OK | OK** | OK** | OK** |
| Compatible with Media Converters: 769215 | - | OK | OK | - | - | - | - | - | - | - | OK |

* Compatible with Ethernet switches with SFP+ ports: 769145, 769146, 769148, 769149 or 769152.

** Compatible with OLT512EVO: 769403.

Application example

(Click to see the picture)



Technical specifications

| | | |
|------------------------------|------|---------------|
| Transceiver type | | SFP |
| Fiber type | | Single-Mode |
| Transmitter wavelength | nm | 1310 |
| Transmitter output power | dBm | -9 ... -3 |
| Optical receiver sensitivity | dBm | -19 |
| Forwarding rate | Mb/s | 1250 |
| Transmission distance | km | < 10 |
| Powering | Vdc | 3.13 ... 3.46 |
| Operating temperature | °F | -4 ... 140 |