Televes®

ONU SFP Adapter 1000 Base-X (SC/APC)

SFP (Smart Form-Factor Pluggable) module 1000 Base-X with SC/APC connector. It is intended to be connected to the network device to extend the GPON deployment in existing access network for the subscribers.
This device makes it possible to adapt to customers' specific requirements in an efficient and unobtrusive way.
It uses 1310 & 1490 nm wavelength.

Ref.	769520
Logical ref.	ONUSFP
EAN13	8424450228517

Packaging info

Box	1 pcs.

Physical data

Net weight	30.00 g
Gross weight	40.00 g
Width	13.00 mm
Height	13.00 mm
Depth	72.00 mm
Main product weight	30.00 g

Highlights

- Designed to be integrated into a fiber optic network with GPON protocol
- Energy-efficient thanks to its low power consumption

- Compatible with switches that incorporate PoE technology, allowing them to be integrated in a GPON network while providing power to multiple devices

- Small Form Pluggable (SFP) module

- SC/APC connector

- Layer 2 switching functionalities

- VLAN tag management, classification and filtering

- ITU-T G.984 GPON compliant

- GEM Port multicast support

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 sigle-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 SPFs 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)	Adaptador Ethernet – SFP 1Gb, 2 fibras (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 769151 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: 769115	-	OK	OK	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 WaveData: 769002	-	OK	OK	-	-	-	-	-	-	-	OK

Compatible with Ethernet switches with SFP+ ports: 769145, 769146, 769148, 769149, 769151 or 769152.
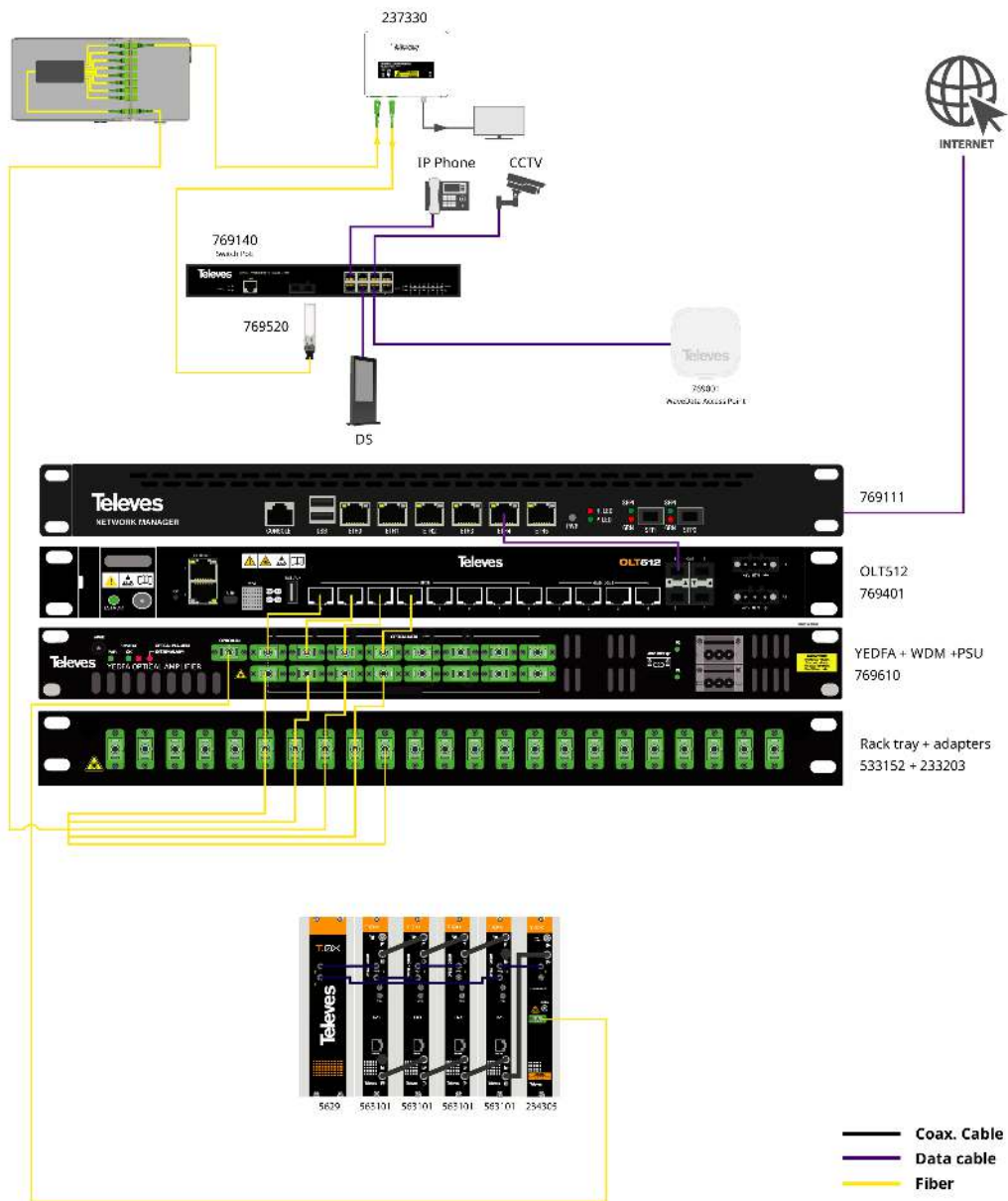
*** Compatible with OLT512EVO: 769403.*

Application example

Why choose an ONU SFP in a GPON network?

An ONU SFP module is a particular type of ONU (Optical Network Unit) that works as an end point in a GPON network, as well as an interface to the Ethernet switch to which it is connected. When an ONU SFP is inserted into a SFP port of an Ethernet, it enables the deployment of hybrid networks with a GPON core network and a number of secondary points with Ethernet connectivity.

Among its typical applications, we can find its installation in combination with PoE+ Ethernet switches, or with any other type of switch or network element with SFP ports. PoE+ switches allows us to provide Ethernet connectivity to up to 24 devices that require PoE/PoE+ power (up to 30W of power), typically: video surveillance cameras, Wi-Fi access points in common areas, office IP telephones...

	237330
	IP Phone CCTV
	769140 Switch PoE
	769520
	D5
	769111
	OLT512 769401
	YEDFA + WDM +PSU 769610
	Rack tray + adapters 533152 + 233203
	INTERNET

Legend:
- ▬ Coax. Cable
- ▬ Data cable
- ▬ Fiber

5629   563101   563101   563101   563101   234305

Technical specifications : Ref. 769520

Transceiver type		SFP
Fiber type		Single-Mode
Transmitter type		DFB
Transmitter wavelength	nm	1310
Transmitter output power	dBm	0.5 ... 5
Receiver type		APD/TIA
Receiver wavelength	nm	1490
Optical receiver sensitivity	dBm	-27
Receiver overload	dBm	-8
Forwarding rate	Gb/s	1.244
Powering	Vdc	3.3
Max. power consumption	W	2
Operating temperature	°C	-40 ... 85