



## SFP Transceiver 1 GbE, 2 fibers (LC/PC) MM

SFP (Smart Form-Factor Pluggable) transceiver module 1 GbE with Duplex LC/PC connector. It offers the possibility to extend the network up to 550 m through multi-mode (MM) dual fiber. This high performance media adapter can be connected to an Ethernet input of a network device to allow its access to an Ethernet signal through optical fiber. The center wavelength used by this device is 850 nm.

<b>Ref.</b>	769150
<b>Logical ref.</b>	SFPGPONMM
<b>EAN13</b>	8424450279373

### Packaging info

<b>Box</b>	1 pcs.
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### Physical data

<b>Net weight</b>	18.00 g
<b>Gross weight</b>	24.00 g
<b>Width</b>	13.00 mm
<b>Height</b>	10.00 mm
<b>Depth</b>	57.00 mm
<b>Main product weight</b>	18.00 g

### Highlights

- Small Form Pluggable (SFP) module

- 2 multi-mode fibers (MM)
- Operating data rate of 1250 Mbps
- Duplex LC/PC connector
- Up to 550 m transmission distance
- Center wavelength of 850 nm

## Discover

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### 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

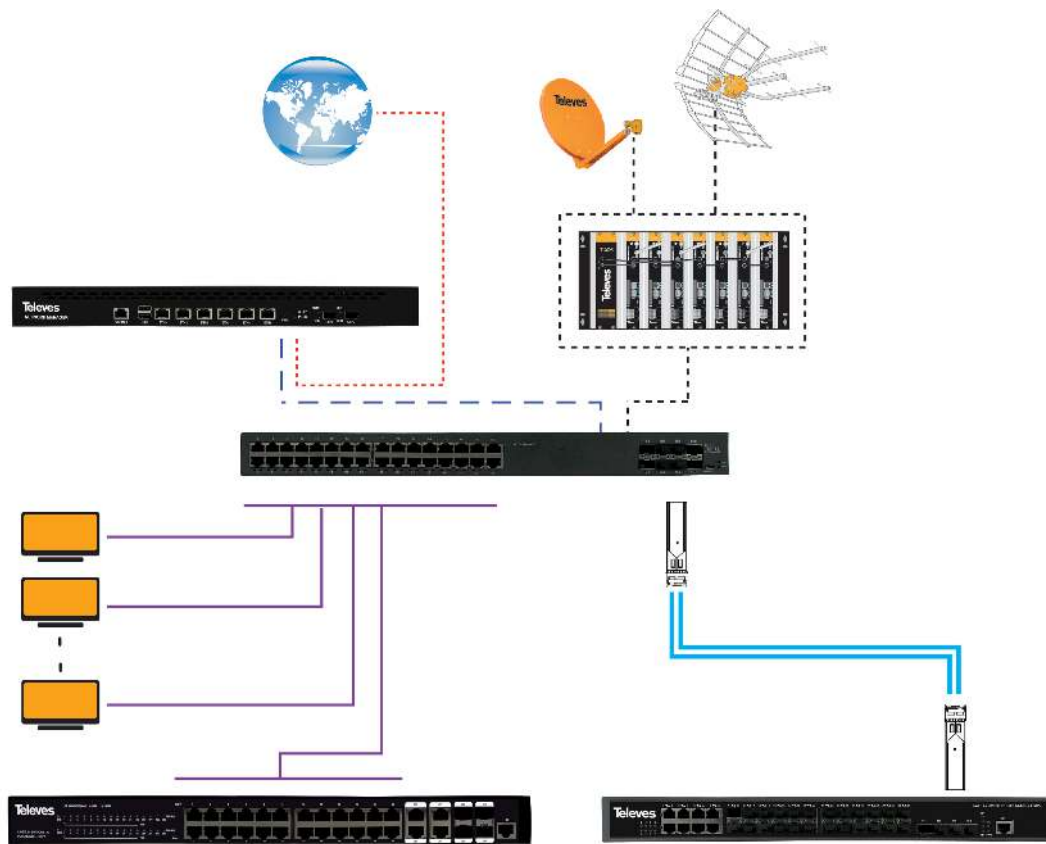
Compatible with Managed Ethernet Switches: 769140 769141 769144 769145 769146 769147 769148 769149 769152	OK	OK	OK	OK*	-	-	OK*	-	-	-	OK
Compatible with Unmanaged Ethernet Switches: 768115 768116	-	OK	OK	-	-	-	-	-	-	-	OK
Compatible with Industrial Switches: 768150	OK	OK	OK	-	-	-	-	-	-	-	OK
Compatible 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

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## Technical specifications : Ref. 769150

Transceiver type		SFP
Fiber type		Multi-mode (MM)
Transmitter type		VCSEL
Transmitter wavelength	nm	850
Transmitter output power	dBm	-9.5 ... -3
Receiver type		PIN Photodiode
Receiver wavelength	nm	840 ... 860
Optical receiver sensitivity	dBm	-17
Receiver overload	dBm	-3
Data rate	Mbps	1250
Transmission distance	km	< 0.55
Powering	Vdc	3.3
Max. power consumption	W	2
Operating temperature	°C	0 ... 70