



## SFP+ Transceiver 1000 Base-LX, 2 fibers (LC) SM, 10GbE

SFP+ (Small Form-Factor Pluggable) transceiver module for OLT512EVO and Ethernet Switches, with LC/UPC Duplex connector that offers the possibility to extend the network up to 10 km through single-mode (SM) fiber.

This high performance transceiver can be connected to a SFP+ port on a compatible device to allow access to an Ethernet signal through optical fiber.

Designed for Gigabit Ethernet applications, as well as switch to switch interface connections, router or server interfaces, and other optical transmission applications.

<b>Ref.</b>	769214
<b>Logical ref.</b>	EKASFPPLUS2F
<b>EAN13</b>	8424450251089

### Packaging info

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

<b>Net weight</b>	18.00 g
<b>Gross weight</b>	30.00 g
<b>Width</b>	13.00 mm
<b>Height</b>	12.00 mm
<b>Depth</b>	65.00 mm
<b>Main product weight</b>	18.00 g

### Highlights

- Small Form Pluggable (SFP) module
- 2 single-mode fibers (SM)
- Max. operating data rate of 10 Gbps
- LC/UPC-Duplex connector
- Up to 10 km transmission distance
- Hot-pluggable capability

## 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.

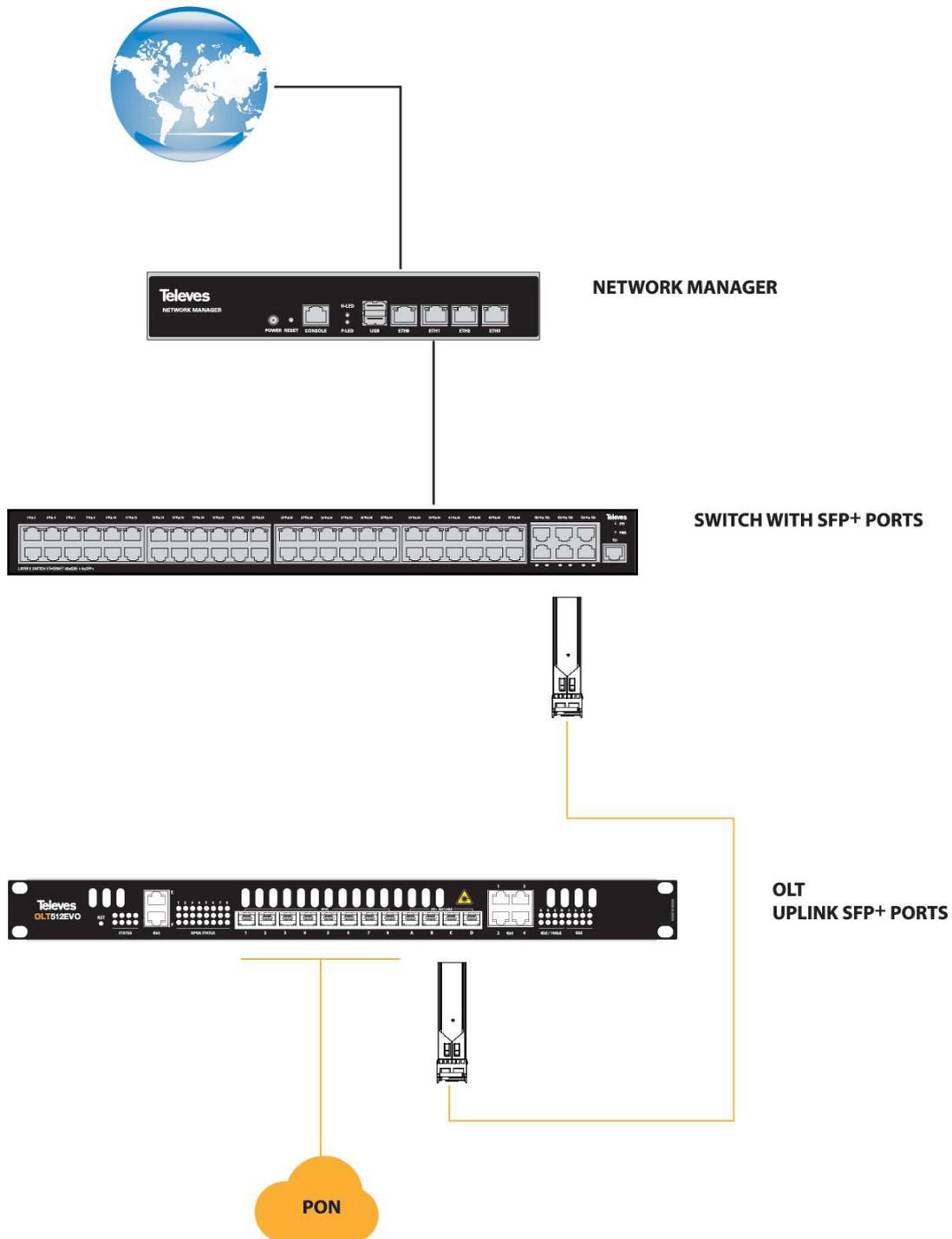
Among the advantages of using SFP modules, we can highlight the reduction of space, lower energy consumption, or the increase of transmission distances.

### 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.

Compatible products	1GbE Transceiver			10GbE Transceiver		1GbE RJ45 Transceiver	ONU	GPON Transceiver	
	769150	769210	769212	769214	769412	769411	769520	769410/13	769414/15
SFP Switches: 768150, 769140, 769141, 769144, 769147, 769152	OK	OK	OK	-	-	-	OK	-	-
SFP+ Switches: 769145, 769146, 769148, 769149, 769151, 769152, 769153	OK	OK	OK	OK	OK	-	OK	-	-
SFP+ Router: 769115	OK	OK	OK	OK	-	-	-	-	-
OLT512EVO: 769403	OK	-	OK	OK	OK	OK	-	OK	OK
OLT3072: 769420, 769421, 769422	-	-	OK	-	OK	OK	-	OK	-
Media converter: 769215	OK	OK	OK	-	-	-	-	-	-
WaveData: 769002	OK	OK	OK	-	-	-	-	-	-

## Application example



## Technical specifications : Ref. 769214

Transceiver type		SFP+
Fiber type		Single-Mode
Transmitter type		DFB
Transmitter wavelength	nm	1310
Transmitter output power	dBm	-8.2 ... 0.5
Receiver type		PIN Photodiode
Receiver wavelength	nm	1270 ... 1610
Optical receiver sensitivity	dBm	-15
Receiver overload	dBm	0.5
Data rate	Gb/s	10.313
Transmission distance	km	< 10
Powering	Vdc	3.14 ... 3.47
Max current input	mA	300
Max. power consumption	W	2
Operating temperature	°C	0 ... 70
Storage temperature	°C	-40 ... 85
Relative humidity	%	5 ... 95