SFP+ 1/10GbE Transceiver, 2 MM fibers LC/UPC



SFP+ (Small Form-Factor Pluggable) transceiver module for network equipment, with LC/UPC Duplex connector. It allows extending the ethernet network up to 300 m through two multimode (MM) optical fibres, each operating in the 850 nm window.

It can connect to both SFP and SFP+ ports, thanks to its Dual-Rate capability that adapts the transmission speed between 1 and 10 Gbps depending on the port used. In addition, its SFP+ MSA compatibility improves interoperability with different manufacturers and facilitates digital monitoring of the device's operating parameters.

Designed for applications requiring high transmission capacity, such as switch-to-switch Ethernet connections, router or server interfaces, uplink connections and linking client equipment with Deza Series and Tambo Series equipment in optical transport networks.

Ref.	291221
Logical ref.	SFP+850_100M
EAN13	8424450320495

Packaging info	
Bag	1 pcs.

Physical data	
Net weight	50.00 g
Gross volume	0.20 dm³
Gross weight	65.00 g
Width	57.00 mm
Height	14.00 mm
Depth	13.00 mm
Main product weight	50.00 g

Highlights

- Reduced deployment cost by using multimode fibre
- Compatibility with SFP and SFP+ ports, thanks to its Dual-Rate 1 or 10 Gbps rate
- Real-time parameter monitoring thanks to DDM/DOM compatibility
- Hot-swappable module, so it connects without interrupting system operation
- Range up to 300 m on fibre links
- Simplified integration with equipment from various manufacturers under the MSA standard

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.

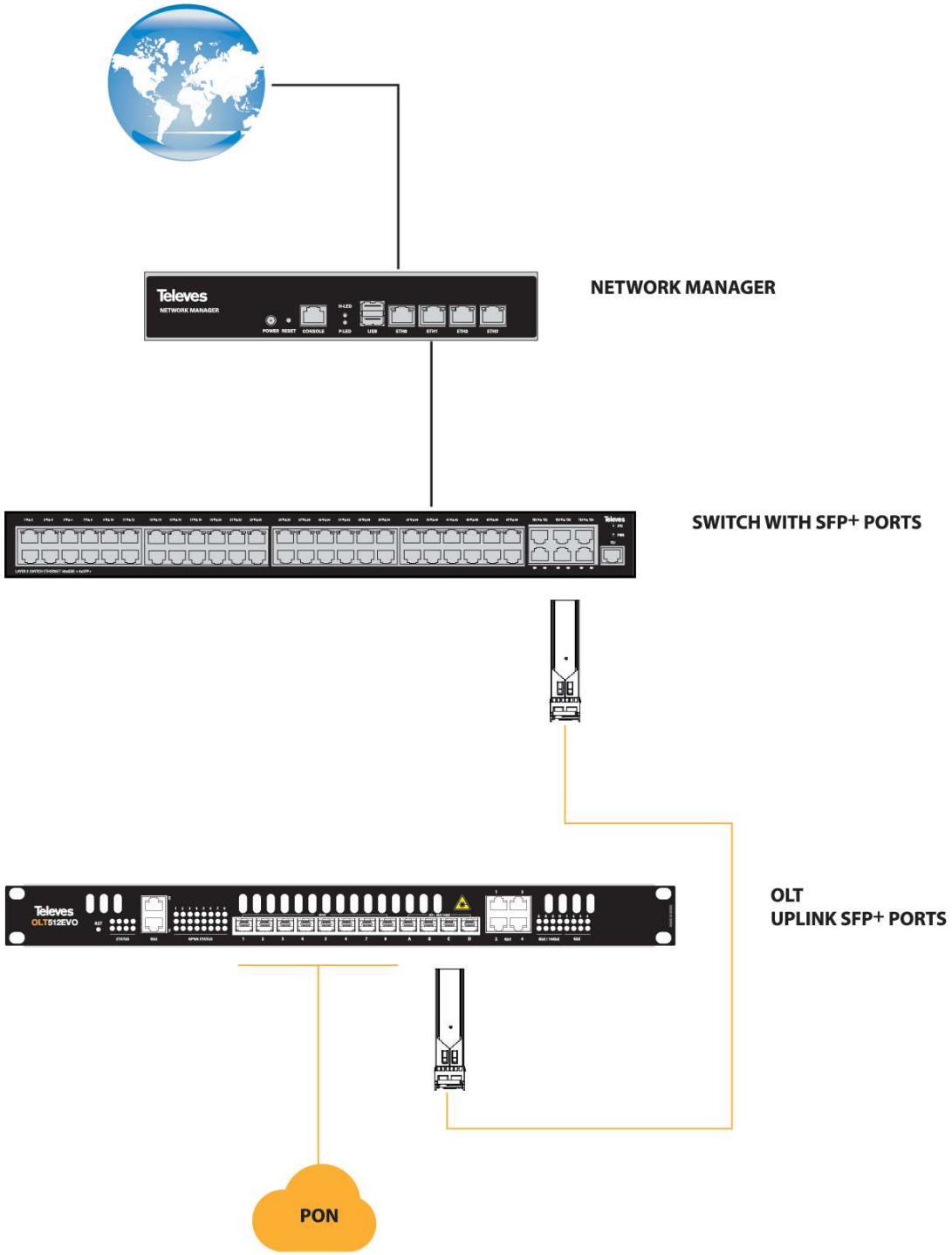
Among the advantages of using SFP modules, we can highlight the reduction of space, lower energy consumption, or the increase of transmission distances.

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.

	1GbE Transceivers			1/10GbE Transceiver	10GbE Transceivers		1GbE RJ45 Transceiver	ONU	GPON Transceivers	
	769150	769210	769212	291221	769214	769412	769411	769520	769410/13	769414/15
SFP Switches (768115, 768116, 768150, 769140, 769141, 769144, 769147, 769152)	OK	OK	OK	OK	-	-	-	OK	-	-
SFP+ Switches (769145, 769146, 769148, 769149, 769151, 769152, 769153)	OK	OK	OK	OK	OK	OK	-	OK	-	-
SFP+ Routers (769115, 769122)	OK	OK	OK	OK	OK	-	-	-	-	-
OLT512EVO (769403)	OK	-	OK	OK	OK	OK	OK	-	OK	OK
OLT3072 (769420, 769421, 769422)	-	-	OK	OK	-	OK	OK	-	OK	-
Media Converter (769215)	OK	OK	OK	OK	-	-	-	-	-	-
WaveData (769002)	OK	OK	OK	OK	-	-	-	-	-	-

Application example



Technical specifications : Ref. 291221

Transceiver type		SFP+
Fiber type		Multi-mode (MM)
Transmitter type		VCSEL
Transmitter wavelength	nm	850
Transmitter output power	dBm	-6 ... 1
Optical receiving device		InGaAs PIN photodiode
Receiver wavelength	nm	850
Optical receiver sensitivity	dBm	-10.5
Receiver overload	dBm	0
Transmission distance	m	< 300
Operating temperature	°F	-40 ... 185