

RJ45 – SFP media converter 10/100/1000Mbps, Single-mode (SM) / Multi-mode (MM)

This optical media converter allows extending communication by transmitting data over single-mode (SM) or multimode (MM) fibers. This transceiver device receives 10/100/1000BASE-TX electrical signals through a RJ45 connector, converts these signals, and transmits them over a 1000BASE-FX fiber link using a SFP transceiver. Designed to provide a high-reliable performance, it is the ideal option for overcoming long link distances in point-to-point data transmission (up to 10 km).

Ref.	769215
Logical ref.	MKRJ45-SFP
EAN13	8424450271773

Packaging info	
Box	1 pcs.

Physical data	
Net weight	238.00 g
Gross volume	1.63 dm³
Gross weight	326.00 g
Width	71.00 mm
Height	26.00 mm
Depth	98.00 mm
Main product weight	238.00 g

Highlights

- Plug & Play: Easy and fast installation
- Compatible with SFP transceivers (1 Gbps)
- Compatible with Cat 5 or higher data cables
- Compatible with IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.3ab (1000BASE-T), 802.3x (1000BASE-X), IEEE 802.3x (Flow Control) standards
- MDI/MDIX auto-detection

- Metal case that offers a professional design, as well as good thermal management
- Transmission range up to 10 km
- 1x 10/100/1000Mbps Full/Half Duplex RJ45 port
- Monitoring and diagnostic LED indicators
- Low time delay
- Limited size
- Power supply unit included

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.

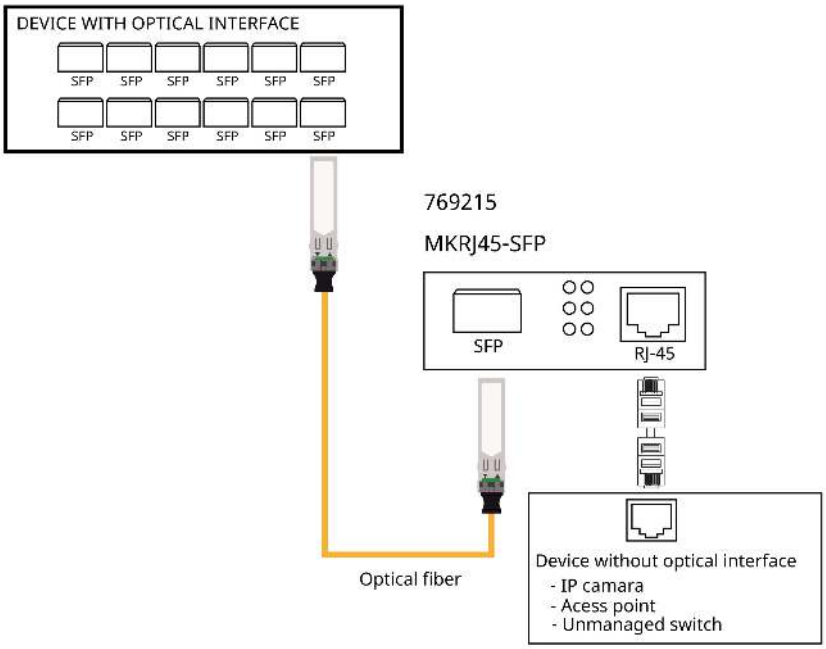
Among the advantages of using SFP modules, we can highlight the reduction of space, lower energy consumption, or the increase of transmission distances.

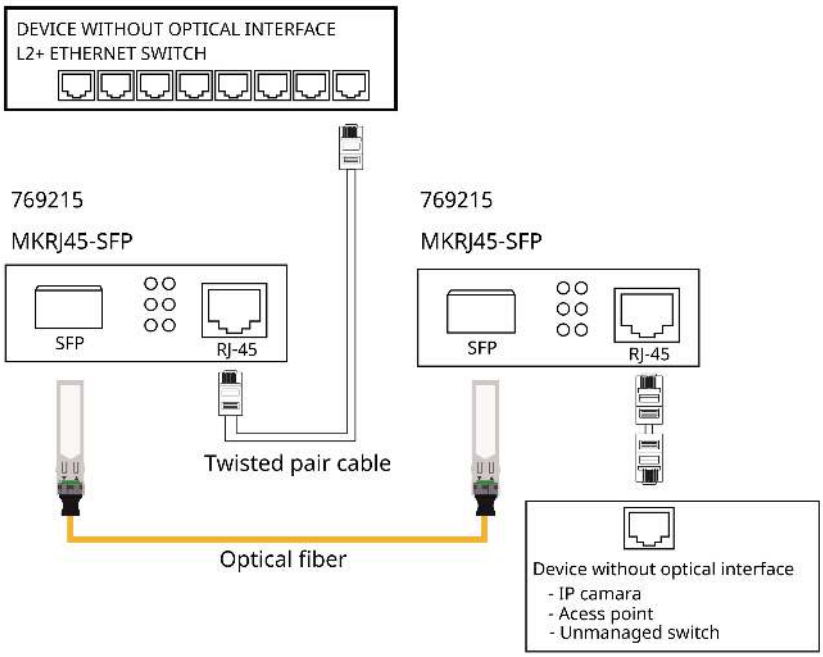
Which SFP do I need?

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. 769215

Data connector type		RJ45
Number of Gigabit Ethernet ports (10/100/1000BASE-T)		1
Number of SFP ports (1 Gbps)		1
Transmission distance	km	0 ... 10
PoE input		No
Powering	Vdc	5
Max. current	mA	1000
Max. power consumption	W	5
Operating temperature	°F	32 ... 122
Storage temperature	°F	-4 ... 158
Housing material		Steel
Color		Black