



RJ45 – F.O. media converter 10/100/1000Mbps, SC Single-mode (SM), TX: 1550nm, RX: 1310nm

This optical media converter allows extending communication by transmitting data over single-mode (SM) 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 single-mode optical-fiber patch cord with SC/UPC connector.

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).

The wavelength used in transmission by this equipment is 1550 nm, while in reception it uses a wavelength of 1310 nm. For correct operation, it is necessary to use this device together with the media converter with reference 769216.

Ref.	769217
Logical ref.	MKRJ45-SC1550
EAN13	8424450271797

Packaging info

Box	1 pcs.
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Physical data

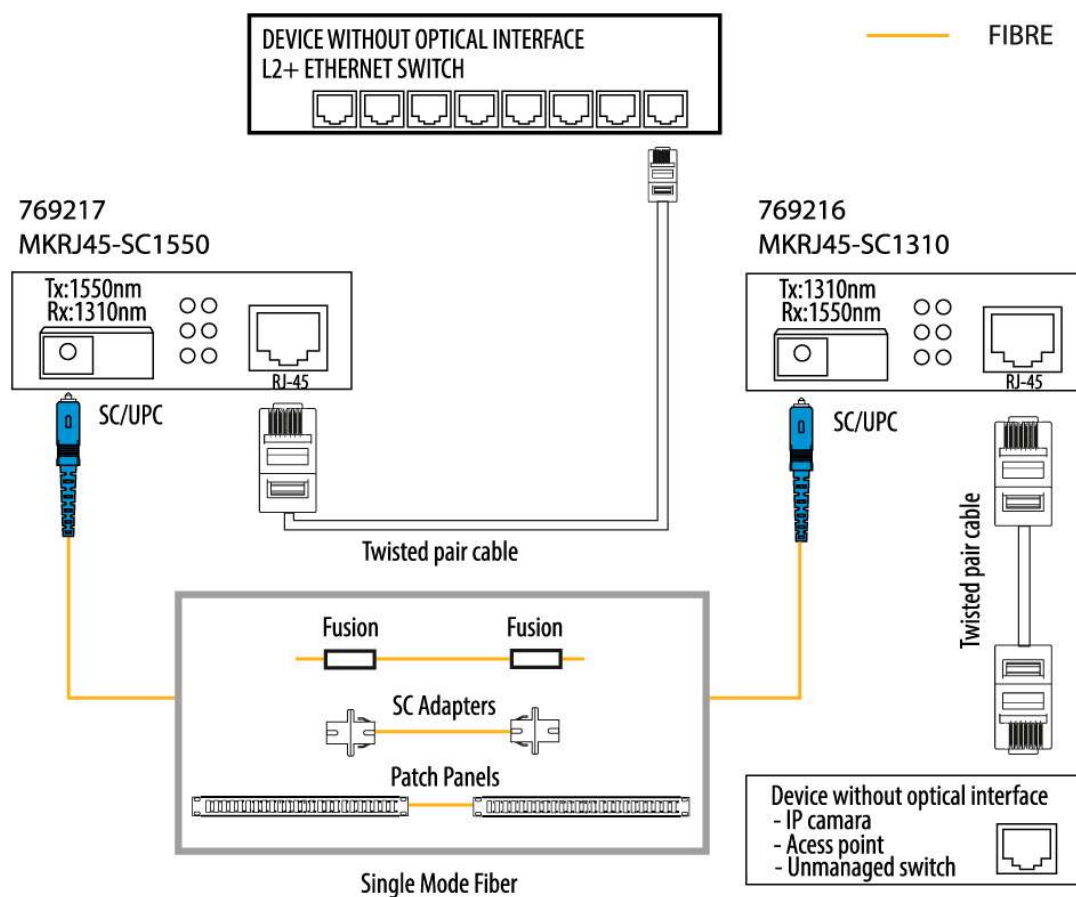
Net weight	242.00 g
Gross volume	1.63 dm ³

Gross weight	326.00 g
Width	71.00 mm
Height	26.00 mm
Depth	105.00 mm
Main product weight	242.00 g

Highlights

- Plug & Play: Easy and fast installation
- Compatible with single-mode (SM) optical-fiber patch cords with SC/UPC connectors
- 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
- 1x SC/UPC type optical port
- Monitoring and diagnostic LED indicators
- Low time delay
- Limited size
- Power supply unit included

Application example



Technical specifications : Ref. 769217

Data connector type		RJ45
Number of Gigabit Ethernet ports (10/100/1000BaseT)		1
Number of FO ports (SC)		1
Fiber type		Single-Mode (SM)
Transmitter type		DFB
Transmitter wavelength	nm	1550
Transmitter output power	dBm	-8 ... -3
Receiver wavelength	nm	1310
Optical input power	dBm	-24 ... -3
Transmission distance	km	0 ... 1
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