

NETWORK ACCESORIES DATA SHEET

10/100/1000MB SFP-to-RJ45 Media Converter



The 10/100/1000Mb media converter is capable of switching between twisted pair (RJ45) and optical signals, relaying across 10/100Base-TX, 1000Base-Tx, and 1000Base FX network segments, meeting long distance, high speed and high broadband fast Ethernet workgroup users' needs, achieving high speed remote interconnection for up to 100 km relay free computer data network. Its compact, durable enclosure and high-reliability performance make this media converter well-suited across industries and network applications.

Key Features Summary

- Auto adaptation rate and full/half duplex mode supported at twisted pair port
- Auto MDI/MDIX supported without need of cable selection
- 6 LEDs for status indication
- Up to 1024 MAC addresses supported
- 512 KB data storage integrated, and 802.1X original MAC address authentication supported
- Conflicting frames detection in half-duplex and flow control in full duplex supported

Technical Specifications

Parameter	Value
Part Number	FMC-MRGCS-R2-AC
Operating Standards	IEEE 802.3 10/100Base-TX / 1000Base-TX and 1000Base-FX
Ports	Copper: 1xRJ45 Optical: 1xSFP (transceiver sold separately)
Copper Transmission Rate / Mode	10/100/1000M (adaptive with support for automatic inversion of MDI/MDIX)
Optical Transmission Rate	1000Mbps
Power Requirements	AC 120V / DC +5V
Max Power Consumption	3 W
Operating (Storage) Temperature	-20 to 65° C (-40 to 70° C)
Humidity	5 to 90 % (non-condensing)
Warranty	Limited lifetime warranty