

Product Specification

MC-1110S

10/100/1000 SFP Media Converter



1. Application

- 10/100/1000Mbps fast optical Ethernet long-distance transmission network.

2. Features

- High performance, switch technology and base on store-and-forward mode
- Support Broadcast frame filtering, MAC address learning and updating automatically
- Support full-duplex flow control and half-duplex based on backpressure flow control
- Support Auto Negotiation and LFPT function
- Supports plug-and-play SFP modules
- Media Detect feature automatically detects and configures to either copper or fiber media
- Auto-MDI/MDIX crossover for all modes of operation
- Strong LED indication

3. Product Description

MC-1110S series is a 10/100/1000M fast Ethernet fiber converter (also called optical-to-electrical medium converter), which can transfer the Ethernet signal between short distance signal of UTP and long distance signal of fiber. MC-1110S series is also widely used in the communication in 10/100/1000 Base-T and 1000 Base-FX. Through MC-1110S series, we can extend the transmission distance of a network from 100m over copper wires to 100 Km, also, we can realize the connection of Server, Repeaters, Hubs, Switches and Terminals.

4. Technical Specification

Parameter	Specifications
Standard	IEEE 802.3 , IEEE 802.3u , IEEE802.3z, IEEE802.3ab
Transmission speed	10/100/1000Mps
Transmission mode	Support auto-negotiation, full-duplex, and half-duplex devices.
TP Cable	Category 5
Transmission distance	depends of the SFP module
Wavelength	depends of the SFP module
Connector Type	depends of the SFP module
Fiber type	depends of the SFP module
LEDS	FXL, TX, RX, 1000M,100M, PWR
Operating temperature	Commercial grade 0°C ~ 55°C, Industrial grade -20°C ~ 70°C , Army grade -40°C ~ 85°C
Storage temperature	-40°C ~ +85°C
Humidity	5% to 90% non condensing
Emission/Safety	FCC, EMC, CE, UL, RoHS compliant (optional), ISO9001:2000
Dimensions	138x 118 x 30 (mm) (H x W x D) Internal power supply
Weight	0.5kg
Power Supply	DC 5V, 1A

5. Ordering Information

MC-1110S	10/100/1000M through TP, and 1000Base-FX through the SFP module, external power supply 5V DC, 1A
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