RP-MC312FP

10/100/1000 Base-TX to 2-1000Base-X SFP Smart Gigabit Media Converter

The RP-MC312FP Gigabit SFP Media Converter provides 1 TP and 2 SFP ports to support conversion between 10/100/1000Base-T and 100/1000Base-X network. With the two 100Base-FX or 1000Base-SX / LX SFP ports, the RP-MC312FP provides high reliability and flexibility to extend the media transmission distance up to 550m, 20km, or longer depending on the SFP fiber modules. It allows the two types of segment to connect easily, efficiently and inexpensively.

With the 3-Port Switch mode, they work in high performance Store and Forward mechanism, and prevent packet loss with IEEE 802.3x Flow Control (Full-Duplex) and Back Pressure (Half-Duplex) function. As the RP-MC312FP Media Converter fully complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX / SX, the Gigabit media converter installation is quite quick and easy by simply plug and play.

And the RP-MC312FP supplied a DIP-Switch to set the operation mode of the SFP ports, When the DIP-Switch is set to the REDUNDANT, the port1 works as main channel, and the port2 works as redundant channel, to make sure the network normally.

Features

- Complies with IEEE 802.3 10Base-T Ethernet, IEEE802.3 100Base-TX Fast Ethernet, IEEE 802.3ab 1000Base-T Gigabit Ethernet, IEEE 802.3z 1000Base-SX/LX, IEEE 802.3x flow control
- 2 ports 1000Base-SX/LX SFP Fiber optic, 1 port 10/100/1000Base-T RJ45
- Auto-Negotiation for 10/100 Base-TX Full-Duplex and 10/100 Base-TX Half-Duplex
- Support IEEE 802.3x Full-Duplex Flow-Control and Back pressure for Half-Duplex to eliminates packets loss
- Support Auto MDI/MDI-X function
- Support VLAN tag, Multicast pass through, and support the max packet length 9000 byte
- Store-and-Forward mechanism, and 3-port data auto-switching
- Support DIP-Switch to set the operation mode of the SFP ports (Switch mode and Redundant mode)
- Low switch latency (<10ms) in Redundant mode

Specifications

Standards	- IEEE 802.3 10Base-T Ethernet, - IEEE 802.3u 100Base-TX Fast Ethernet - IEEE 802.3ab 1000Base-T Gigabit Ethernet - IEEE 802.3z 1000Base-X Gigabit Ethernet - IEEE802.3x Flow Control and Back Pressure
Interface	1 x RJ45 port: 10/100/1000Mbps Gigabit Ethernet Connecting with STP/UTP category-5 twisted pairs, EIA568A/B 2 x SFP slot: 1000Base-SX/LX SFP Fiber optic
Wavelength	850nm/1310nm/1550nm
Transmission distance	- SFP port: Vary on SFP fiber module - Category-5 twisted pairs: 100m
Jumbo frame	9K
BER	$<10^{-9}$
Data Processing	Store-and-Forward
Dip Switch	- DIP-Switch for Operation Mode: When the DIP-Switch on the SWITCH side, the 2 SFP ports of the MC operate on the switch mode, and when the DIP-Switch on the REDUNDANT side, the 2 SFP ports of the MC operates on the REDUNDANT mode. - DIP-Switch for Fiber Speed: When the DIP-Switch on the 1000Base-X side, the 2 SFP ports of the MC operate at 1000Mbps, and when the DIP-Switch on the 100Base-FX side, the 2 SFP ports of the MC operate at 100Mbps.
LED indicators	- Power, SD1(SFP Port 1 link/act), SD2(SFP Port 2 link/act) - RJ-45 port: On:1000Mbps(Green) / Off:10/100Mbps ; LINK/ACT(Amber)
Power Consumption	Max. 5 Watts
Power Supply	External power adapter DC5V 2A
Operating Temperature	-10~55°C
Operating Humidity	5% to 90% (Non-condensing)
Storage Temperature	-40~70º C
Dimension	71×94 ×26 mm (W*D*H)
Certification	CE, FCC

Ordering information

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