FIBER CONVERTER 10/100BASE-TX TO 100BASE-FX 10/100/1000BASE-T TO 1000 BASE-SX/LX

Description

RFI auto-negotiation Gigabit Ethernet Fiber Converter can achieve the conversion between 10/100/1000BASE-T and 1000BASE-SX/LX, Fast Ethernet Fiber can achieve the conversion between 10/100BASE-TX and 100BASE-FX, extending the transmission distance of up to 120km through Single Mode Fiber. It support a wide variety of networks providing a reliable and cost-effective fiber optic connectivity solution for Enterprise networks.

The modular design and flexible configuration enable scalable fiber network implementation. It can be used as a standalone module or with a 16-slot rack mount chassis.

The 6 LED indicators on the front panel allow user to monitor the status and activity of the Converter.

Features

- Single mode or Multimode with ST, SC, FC or LC connectors
- Support MDI/MDI-X auto crossover. Ethernet port autodetect and adjust to Straight-through or Cross-over cable connection. Eliminiate the need for specific cable.
- Support half or full duplex mode communication with autonegotiation function.
- Support Flow Control for Full Duplex and back Pressure for Half Duplex.
- Max. 2M buffer memory built in chip.
- High Performance 1.4Gbps memory bandwith.
- External Power Supply.
- Conform to FCC and CE safety standards.

Application

Suitable for conversion between 10/100Base-T Ethernet to 100Base-FX Fiber application. 10/100/1000Base-T Ethernet to 1000Base-SX/LX Fiber application.

14 slot Rack mount media convertor

FIBER CONVERTER 10/100BASE-TX TO 100BASE-FX 10/100/1000BASE-T TO 1000 BASE-SX/LX

SPECIFICATIONS

Standard	IEEE802.3 10Base-T, IEEE802.3u 100Base-Tx/FX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX, IEEE802.3x Flow Control
Wavelength	850nm/1310nm/1550nm
Ethernet Port	One RJ45 Connector, UTP/FTP
Fiber Port	Duplex ST, SC, FC or LC
Transmission Distance	Cat5E or Cat6: 100m Dual-fiber Multimode: 550m (50/125µm), 2km Dual-fiber Singlemode: 10/20/40/80km
Conversion Mode	Medium conversion, Store and Forward
Flow Control	Full Duplex: IEEE802.3x Flow Control; Half Duplex: Back Pressure;
Delay	9.6µs
Bit Error Rate	<1/1000000000
MTBF	100,000 hours
Power	External: 5V DC. 1A. 5W
Temperature	Operating: -10°C~+70°C Storage: -40°C~+80°C
Humidity	5%~90%
Emission	FCC Class B, CE Class B, VCCI Class B
Dimension	70x95x26mm (External Power Supply)

Ordering information

Part No.	Connector	Fiber Type	Fiber Model	Wavelength	TX Power	RX Sensitivity	Distance
				nm	dBm	dBm	
RFM-GM2S005-OEF	SC	Multimode	Dual Fiber	850	-17~-12	≤ -20	550m
RFM-GM2S020-OEF	SC	Multimode	Dual Fiber	1310	-17~-12	≤ -20	2km
RFM-GS2S200-OEF	SC	Singlemode	Dual Fiber	1310	-3~-8	≤ -23	20km
RFM-GS2S400-OEF	SC	Singlemode	Dual Fiber	1310	-13~-8	≤ -37	40km
RFM-14RD000-OEF	Standalone 2U 19in, 14 slots Dual Power Supply 220V, Input PWR: 85~265VAC or -48VDC						