

13. Media Converter

a. 10/100M Media Converter

b. Giga Media Converter

a. 10/100M Media Converter

Ethernet Converter



Application

- Fast Ethernet LAN Extension
- Fast Ethernet Backbone Connection
- Industrial data acquisition, control

Feature & Benefits

- Converts 10 / 100BaseT to 100BaseFX
- Full IEEE 802.3 & 100BaseFX Compliance
- Extended Environmental Specifications
- Support for Full / Half Duplex Operation
- LED Link / Activity Status Indication
- Auto Sensing Speed and Flow Control
- Plug and Play - compact, Space Saving Package
- Optional One fiber connection using WDM technology

Specifications

Parameter	Value	Unit
RJ45 port (shiled)	10/100Base	
RJ45 speed	10 or 100	Mbps
Fiber optic port	Multimode or Singlemode	
No. of Fiber	one or two	
Fiber optic port speed	100Mbps(100BaseFX)	
Fiber optic wavelength	1310/1550	nm
Transmit Power	-17/-3(MM/SM)	dBm
Receiver Sensitivity	-33/-35	dBm
Fiber maximum distance	Up to 2/15	km
Optical connector	LC, SC, MU, ST	
Ethernet protocols support	All standart IEEE 802.3	
Operating Temperature	0~70	°C
Storage Temperature	-20~85	°C
Operating Humidity	10~90	%
Dimension	Stand aloneType	26(H)x70(W)x100(D)
	16 Slot Rack Type	88(H)x442(W)x350(D)

Ordering Information

FEC -□-□□/□□-□

Case Type	M : for module C : for card
Fiber length	02 for 2km 15 for 15km
Optical Connector	LC, SC, MU, ST
Fiber type	M for multimode S for Singlemode
Fiber Ethernet Converter	

b. Giga Media Converter

1000M Fiber Media Converter (Marvel chipset)



1000M RJ45 port + 1 single-mode fiber port.

Compliant with IEEE802.3ab 1000BASE-T standards for TP connection and IEEE802.3z 1000BASE-SX/LX standards for Fiber connection

The product is Gigabit Ethernet converter. The converter mediates between a 1000Base-Tx signal and a 1000Base-FX signal. It is primarily designed for large, higher speed/bandwidth demanding workgroups that require expansion of the Ethernet

Compliant with IEEE802.3ab 1000BASE-T standards for TP connection and IEEE802.3z 1000BASE-SX/LX standards for Fiber connection Provide one SC fiber connector and one UTP connector Auto-detection of half/full duplex transfer mode for Tx port UTP interface should be 1000M Extend fiber distance up to 0.55KM for Multi-mode fiber or 60Km for Single-mode Easy-to-view LED indicators provides status to easily monitor network activity External power supply

Standards	,IEEE802.3u ,IEEE802.3x, IEEE802.3z
Data Rate	1000Mbps
Operating Wavelength	850±25nm ,1310±25nm for Multi-mode 1310±25nm,1550±25nm for Single-mode
Transmit distance	Multi-mode: 0.55Km Single-mode: 10-60Km
Fiber Interface	SC
Fiber type	Single-mode: 9/125um Multi-mode: 62.5/125um
RJ45 port	UTPCat.5 Cable or Cat.6 Cable
Power Supply	5V, 1A(External)
Power consumption	5W
Operation temperature	0°C~60°C
Storage temperature	10°C~70°C
Humidity	5%~95%(Non-condensing)
Dimension:	Dimensions: 120mm(D)×88mm(W)×16mm(H)