

EC1212 Series

Econ-line 10/100/1000Base-TX to 1000Base-X Ethernet Media Converter



Features

General

- ▶ Convert 10/100/1000BASE-TX to 1000BASE-X
- ▶ Full/Half duplex, Auto-Negotiation
- ▶ Single mode or Multi-mode fiber operation
- ▶ Single or Dual-core fiber with SC connectors
- ▶ MDI/MDI-X Auto Crossover supported
- ▶ Plug-and-Play
- ▶ 0°C to 50°C (32°F to 122°F) operating temperature

Warranty

- ▶ 1-Year Warranty



Ordering Information

Model	Description			
EC1212-X	Econ-line 10/100/1000Base-TX to 1000Base-X Ethernet Media Converter			
(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
A	Multimode/2-fiber/SC	1310nm	12dB	2km
B	Singlemode/2-fiber/SC	1310nm	15dB	20km
C	Multimode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	8dB	2km
D	Multimode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	8dB	2km
E	Singlemode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	16dB	20km
F	Singlemode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	16dB	20km
Mounting Options	■ Desktop bracket. ■ Rack-Mountable on 2U rack EC-C14 (Purchase Separately).			
Power Options	■ 1A/5VDC Power Adapter with DC Jack. ■ Power Adapter is included for all sales.			

NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusers, splices and the fibers within the network.

(2) Operating distance of multimode is limited by the characteristic of the fiber bandwidth.

(3) Please feel free to contact factory for any special requirement and customization.

Specifications

Ethernet

Standards:	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3x Flow Control
Processing Type:	Store-and-Forward Half-duplex, Full-duplex
Forward Filter Rate:	14,880pps (10Mbps) 148,810pps (100Mbps) 1,488,000pps (1000Mbps)
Cabling:	10BASE-T Cat5 or above 100BASE-TX Cat5 or above 1000BASE-T Cat5 or above
Maximum Distance:	Cat5 Up to 100m
Connector:	1 x RJ45
Address Table Size:	1024 MAC Addresses

Optical

Cabling:	62.5/125µm (multimode) 9/125µm (Singlemode)
Maximum Distance:	2km (Multimode) 20km (Singlemode)
Wavelength:	1310nm 1310/1550nm
Connector:	SC

Environmental

Operating Temperature:	0°C to 50°C (32°F to 122°F)
Storage Temperature:	-40°C to 80°C (-40°F to 176°F)
Relative Humidity:	5% to 95% non-condensing

Electrical and Mechanical

Input Power:	5VDC (DC Socket)
Power Consumption:	2.5W Max, 0.5A@5VDC
LED Indicators:	
Power:	Power Status
10/100/1000TX (Per Port):	Link/Activity, Speed(100M, 1000M), FDX
1000FX (Per Port):	Link/Activity
Dimensions (WxDxH):	71x105x27mm
Weight:	0.2Kg
Casing:	Metal Case
Mounting Options:	Desktop/EC-C14 2U Rack

Regulatory Approvals

ISO9001
FCC
CE



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Due to continuous improvement, all product specifications are subject to change without further notice.

