

EC1111 Series

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



Features

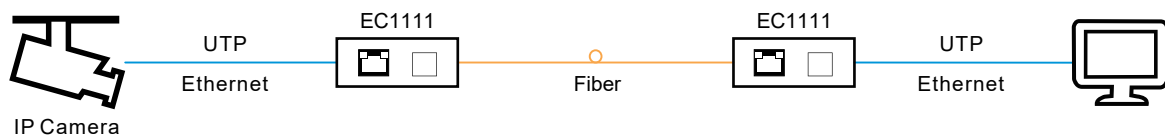
- ▶ Convert 10/100Base-TX to 100Base-FX
- ▶ Full/Half duplex, Auto-Negotiation
- ▶ Single mode or Multi-mode fiber operation
- ▶ Dual-core fiber with SC connectors
- ▶ Support MDI/MDI-X Auto Crossover
- ▶ Plug-and-Play
- ▶ 0°C to 50°C (32°F to 122°F) operating temperature



Warranty

- ▶ 1-Year Warranty

Typical Application



Specifications

Ethernet	
Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3u 100Base-FX
Processing Type	Store-and-Forward Half-duplex, Full-duplex
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Cabling	10Base-T Cat5 or above 100Base-TX Cat or above
Maximum Distance	Cat5 Up to 100m
Connector	1 x RJ45
Address Table Size	1024 MAC Addresses
Optical	
Optical	62.5/125µm (Multimode) 9/125µm (Singlemode)
Maximum Distance	2Km (Multimode) 20Km (Singlemode)
Wavelength	1310nm
Connector	SC
Electrical and Mechanical	
Input Power	
EC1111-X	5VDC (DC Jack)
EC1111-X-CM	Rack
Power Consumption	
EC1111-X	2.5W Max. 0.5A@5VDC
EC1111-X-CM	2.5W

Specifications

LED Indicators	
Power	Power Status
10/100TX (Per Port)	LINK/Activity, Speed, FDX
100FX (Per Port)	LINK/Activity, SD
Dimensions (W x D x H)	
EC1111-X	71 × 94 × 26 mm
EC1111-X-CM	26 × 114 × 88 mm
Weight	
EC1111-X	0.2 Kg
EC1111-X-CM	0.1 Kg
Casing	
EC1111-X	Metal case
EC1111-X-CM	N/A
Mounting Options	
EC1111-X	Desktop
EC1111-X-CM	Rack

Environmental

Operation 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
MTBF	> 100,000 hrs

Regulatory Approvals

ISO9001
FCC
CE

Ordering Information

Available Model	Description
EC1111-X	Econ-line 10/100Base-TX to 100Base-FX Ethernet Media Converter, Desktop type
EC1111-X-CM	Econ-line 10/100Base-TX to 100Base-FX Ethernet Media Converter, Card type

(X) =	Fiber Options	Wavelengths	Max. Distance
A	Multimode/2-fiber/SC	1310nm	2km
B	Singlemode/2-fiber/SC	1310nm	20km

Optional Accessories (to be purchased separately)

EC-C16-RP 2U 19 inch Rack for card type product mountable up to 16 slots, redundant 100-240VAC power input

Package Checklist

■ Fast Ethernet Media Converter	x 1
■ 1A 5VDC power Adapter with DC Jack, (EC1111-X only)	x 1
■ Quick Installation Guide	x 1

NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
(2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
(3) Please feel free to consult factory for any special requirement and customization.