EC1111 Series

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

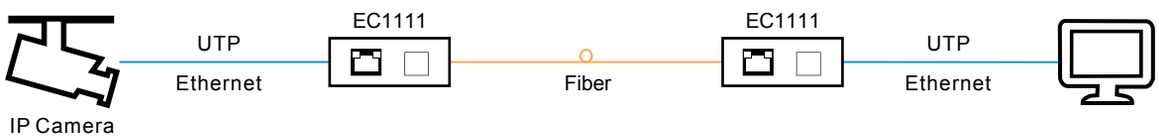
Features

- ► Convert 10/100Base-TX to 100Base-FX
- ► Full/Half duplex, Auto-Negotiation
- ► Single mode or Multi-mode fiber operation
- ► 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

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
	1310/1550nm
Connector	SC
Electrical and Mechanical	
Input Power	5VDC (DC Jack)
Power Consumption	2.5W Max. 0.5A@ 5VDC
LED Indicators	
Power	Power Status
10/100TX (Per Port)	LINK/Activity, Speed, FDX
100FX (Per Port)	LINK/Activity, SD

Specifications

Dimensions (W x D x H)	71 × 105 × 27 mm
Weight	0.2 Kg
Casing	Metal case
Mounting Options	Desktop / EC-C14 2U 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

(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
A	Multimode/2-fiber/SC	1310nm	12dB	2km
B	Singlemode/2-fiber/SC	1310nm	19dB	20km

Optional Accessories (to be purchased separately)

EC-C14	2U 19 inch Rack Mount Chassis for EC1111 and EC1212 series units, 12 empty slots, with PSU, 110-220VAC input

Package Checklist

- Fast Ethernet Media Converter x 1
- 1A 5VDC power Adapter with DC Jack 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.

OT Systems Ltd., May 2016

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