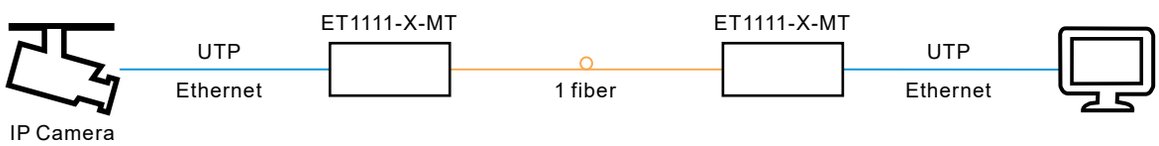
ET1111 Series

Industrial Grade Microtype 10/100Base-TX to 100Base-FX Ethernet Media Converter

Features

- Converts 10/100Base-TX to 100Base-FX
- Full/Half duplex, Auto-Negotiation
- Singlemode or Multimode fiber operation
- Sleek Microtype design, fits within most camera housing
- MDI/MDI-X Auto-Crossover supported
- Single or Dual-core fiber with SC or ST connectors
- Plug-and-Play
- -10°C to 60°C (14°F to 140°F) operating temperature
- 12VDC or 24VAC Terminal Block Power inputs

Typical Application



Specifications

Ethernet	
Standards	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3x Flow Control
Processing Type	Store and forward
Forward Filter Rate	14,880pps (10Mbps)
	148,800pps (100Mbps)
Cabling	10Base-T Cat5 or above
	100Base-TX: Cat5 or above
Packet Buffer Memory	128 Kbits
Address Table Size	2K
Interface	
RJ45 port	10/100Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
Optical	SC/ST
LED Indicators	Power; Link
Optical	
Cabling	62.5/125μm (Multimode)
	9/125μm (Singlemode)
Maximum Distance	2Km (Multimode)
	20Km (Singlemode)
Wavelength	1310nm
	1310/1550nm
Connector	SC/ST
Electrical and Mechanical	
Input Power	12VDC or 24VAC (Terminal Block)
Power Consumption	2.4W Max. 0.2A@ 12VDC

Specifications

Dimensions (W x D x H)	36.2 × 98 × 24.5 mm
Weight	0.12Kg (0.22Kg with PA)
Casing	Aluminum case
Mounting Options	Wall Mount / MR-C10 1U Rack

Environmental

Operation Temperature	-10˚C to 60˚C (14˚F to 140˚F)
Storage Temperature	-40˚C to 85˚C (-40˚F to 185˚F)
Relative Humidity	0% to 95% non-condensing
MTBF	> 200,000 hrs

Regulatory Approvals

ISO9001
FCC Part 15 Class A
EN 55022: 2006+A1: 2007 Class A
EN 61000-3-2: 2006
EN 61000-3-3: 2008
EN55024:1998+A1: 2001+A2:2003

Ordering Information

Available Model	Description
ET1111-X-MT	Industrial Grade Microtype 10/100Base-TX to 100Base-FX Ethernet Media Converter

(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
A	Multimode/2-fiber/SC	1310nm	14dB	2km
B	Singlemode/2-fiber/SC	1310nm	21dB	20km
C	Multimode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	21dB	2km
D	Multimode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	21dB	2km
E	Singlemode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	19dB	20km
F	Singlemode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	19dB	20km
G	Multimode/2-fiber/ST	1310nm	14dB	2km
H	Singlemode/2-fiber/ST	1310nm	21dB	20km
I	Multimode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	21dB	2km
J	Multimode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	21dB	2km
K	Singlemode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	19dB	20km
L	Singlemode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	19dB	20km

Optional Accessories (to be purchased separately)

MR-C10	1U 19 inch Rack for micro-type product mountable up to 10 slots, includes 12V power adapter

Package Checklist

- Fast Ethernet Media Converter x 1
- 1.25A 12VDC power adapter with open wire for terminal block x 1
- Din Rail Clip 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., August 2020