

ET1111 Series

Industrial 100Base-TX to 100Base-FX Ethernet Media Converter



Features

General

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

Warranty

- ▶ 3-Year Warranty



Media Converter

Ordering Information

Model	Description			
ET1111-X-MT	Microtype 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
Mounting Options	<ul style="list-style-type: none"> ■ Built-in Wall Mount Bracket. ■ Rack-mountable on 1U rack MR-C10 (Purchase Separately). 			
Power Options	<ul style="list-style-type: none"> ■ ET-PA/12V 1.25A 12VDC Power Adaptor. Open wire for Terminal Block. ■ Power Adaptor is included for all sales. 			

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

Specifications

Ethernet

Standards:	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3x
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: Cat5 or above
Maximum Distance:	Cat5 UTP up to 100m
Connector:	1 x RJ45
Address Table Size:	2048 MAC Addresses

Optical

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

Environmental

Operating Temperature:	-10°C to 60°C (14°F to 140°F)
Storage Temperature:	-25°C to 85°C (-13°F to 185°F)
Relative Humidity:	0% to 95% non-condensing

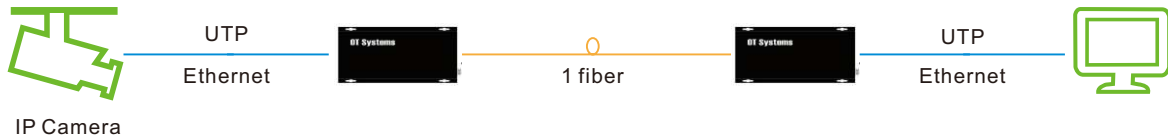
Electrical and Mechanical

Input Power:	12VDC or 24VAC (Terminal Block)
Power Consumption:	2.4W Max. 0.2A@12VDC
LED Indicators:	
Power:	PowerStatus
10/100TX (Per Port):	Link/Activity, Speed
100FX (Per Port):	Link/Activity
Dimensions (WxDxH):	36.2x117x24.5 mm
Weight:	0.12Kg (0.22Kg with PA)
Casing:	Aluminum case
Mounting Options:	Wall-mount / MR-C10 1U Rack

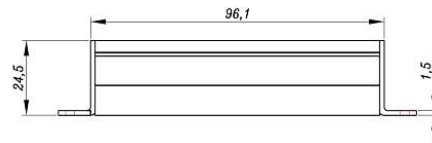
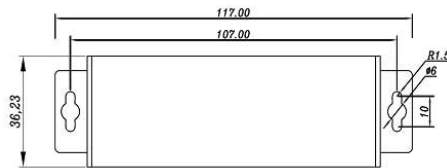
Regulatory Approvals

ISO9001
FCC Part 15, Class A
EN55022:2006+A1:2007 Class A
EN 61000-3-2: 2006
EN 61000-3-3: 2008
EN 55024: 1998 + A1: 2001 + A2: 2003

Typical Application



Unit: mm



OT Systems Ltd., May 2014

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

