ET1111 Series

Industrial 10/100BASE-TX to 100BASE-FX Ethernet Media Converter

OT systems' ET1111 media converter offers an easy and affordable solution for network managers to connect 10/100 Fast Ethernet from UTP to fiber optic cabling. The media converter series uses a high performance auto-sensing exchange chip for full functionality of transfer and exchange, guaranteeing the safety and stability of data transfer. The media converter is available in both single-mode and multi-mode fiber.

This Sleek Microtype design media converter occupies limited space and it's ideal solution for easy installation within most camera housings.

Features

- Microtype design - fits within most camera housings
- Converts 10/100Base-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
- Plug-and-Play
- 12VDC or 24VAC Terminal Block Power inputs
- -10°C to 60°C (14°F to 140°F) operating temperature

Ordering Information

Model	*Description*
ET1111-X-YY	10/100Base-TX to 100Base-FX Ethernet Media Converter

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

(YY) =	*Installation*	*Power Adapter (Included)*
MT	Microtype, Wall-mount	**ET-PA/12V.** 1.25A 12VDC power adapter. Open wire for Terminal Block. (US, European, UK or Australian power plug available)

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

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Specifications

Ethernet

Standards:	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/FX IEEE802.3x
Processing Type:	Store and forward Half-duplex, Full-duplex
Forward and Filter Rate:	14,881pps (10Mbps) 148,810pps (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:	2048MAC addresses

Optical

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

Electrical and Mechanical

Input Power:	12VDC or 24VAC (Terminal Block)
Power Consumption:	2.4W Max. 0.2A@12VDC
LED Indicators:	
Power:	Power Status
10/100TX (Per Port):	Link/Activity, Speed
100FX (Per Port):	Link/Activity
Dimensions (WxDxH):	36.2 X 117 X 24.5 mm
Weight:	0.12Kg (0.22kg including PA)
Casing:	Aluminum case
Mounting Options:	Wall-mount

Environmental

Operating Temperature:	-10°C to 60°C (14°F to 140°F) Tested -20°C to 70°C (-4°F to 158°F)
Storage Temperature:	-25°C to 85°C (-13°F to 185°F)
Relative Humidity:	0% to 95% non-condensing

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
EN 55024: 1998 + A1: 2001 + A2: 2003