

ET111P Series

Industrial 10/100Base-TX (PoE) to 100Base-FX Ethernet Media Converter



Features

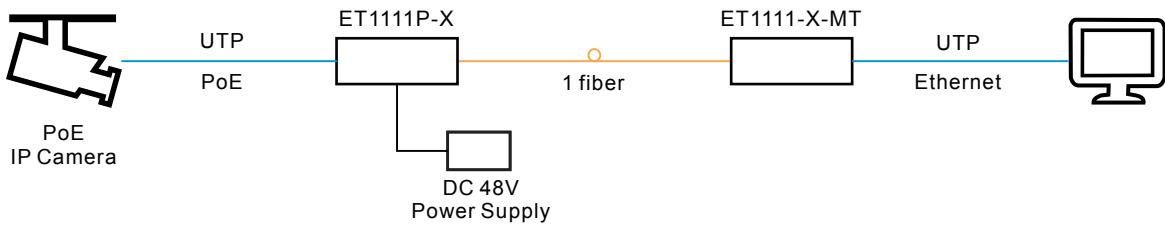
- ▶ Complies with 802.3af PoE/PSE standard (15.4W)
- ▶ 10/100Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
- ▶ Full wire-speed forwarding rate
- ▶ 128K bits buffer memory
- ▶ Aluminum case
- ▶ Support Wall-mount installation
- ▶ -10°C to 60°C (14°F to 140°F) operating temperature



Warranty

- ▶ 5-Year Warranty

Typical Application



Specifications

Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3af Power over Ethernet
Packet Buffer Memory	128K bits
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
Maximum Distance	Cat5UTP up to 100m
Connector	1 x RJ45

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	48-57VDC (2 pin terminal block)
Power Consumption	19.2W, 0.4A@48VDC (PoE in use) 2.4W, Max. 0.05A@48VDC (PoE not in use)
Protection	
Overload	Present
Over Voltage	Present

Specifications

LED Indicators	
Power	Power Status
10/100TX (Per Port)	LINK/Activity, Speed
100FX (Per Port)	LINK/Activity
PoE	PD connect / PD detection / PD disconnect
PoE	
Standard	IEEE802.3af
Port	RJ45
Max. Power	15.4W Max (Alternative A mode)
Dimensions (W x D x H)	83 × 70 × 23.6 mm
Weight	0.2 Kg
Casing	Aluminum case
Mounting Options	Wall Mount

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	5% to 95% non-condensing
MTBF	> 200,000 hrs

Regulatory Approvals

ISO9001	Surge Protection:
FCC Part15, Class A	RJ45: 1kV
EN55022: 2006+A1: 2007	Power: 0.5kV
	ESD: 4kV/8kV

Ordering Information

Available Model	Description
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ET1111P-X Industrial 10/100Base-TX (PoE) to 100Base-FX Ethernet Media Converter

(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
A	Multimode/2-fiber/SC	1310nm	11dB	2km
B	Singlemode/2-fiber/SC	1310nm	17dB	20km
C	Multimode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	8dB	2km
E	Singlemode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	17dB	20km
G	Multimode/2-fiber/ST	1310nm	11dB	2km
H	Singlemode/2-fiber/ST	1310nm	17dB	20km
I	Multimode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	8dB	2km
K	Singlemode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	17dB	20km

Optional Accessories (to be purchased separately)

Power Supply Please refer to the power supply information at the back of the catalogue, our website www.ot-systems.com, or consult OTS sales at sales@ot-systems.com for your power system design properly.

Package Checklist

- Fast Ethernet PoE Media Converter 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.



OT Systems Ltd., Oct 2015

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