

ET1111P Series

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



Features

General

- ▶ 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



Media Converter

Ordering Information

Model	Description			
ET1111P-X	10/100BASE-TX to 100BASE-FX Ethernet Media Converter with PoE/PSE			
(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
Power Options		<ul style="list-style-type: none"> ■ GS60A48 60W/1.25A 48VDC Power Supply. Open wire for Terminal Block. ■ Power Supply is to be purchased separately. 		

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.

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) 148,810pps (100Mbps)
Cabling:	10BASE-T: Cat5 or above 100BASE-TX: Cat5 or above
Maximum Distance:	Cat5 UTP up to 100m
Connector:	1 x RJ45

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:	-20°C to 70°C (-4°F to 158°F)
Relative Humidity:	5% to 95% non-condensing

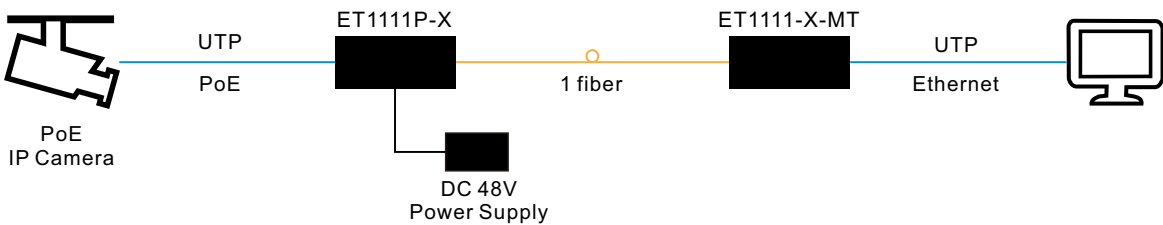
Electrical and Mechanical

Input Power:	48VDC (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
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 (WxDxH):	83x70x23.6 mm
Weight:	0.2Kg
Casing:	Aluminum case
Mounting Options:	Wall-mount

Regulatory Approvals

ISO9001
FCC Part 15, Class A
EN55022:2006+A1:2007

Typical Application



OT Systems Ltd., Jan 2015

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

