

ET1100Cp Series

Industrial 10/100Base-TX Ethernet Over Coax Converter with PoE+ & PoC

Ethernet Extension

EtherXtra™



Features

General

- ▶ PoE+ (30W) and Power over Coaxial
- ▶ 802.3af/802.3at Compliant
- ▶ Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- ▶ Max. Distance: 1Km over Coax (RG-59/U)
- ▶ Compatible with 4-port standalone Receiver & Rack Mount 8/16-port Receiver
- ▶ Accept 48VDC external power input or PoE power input from RJ45 port

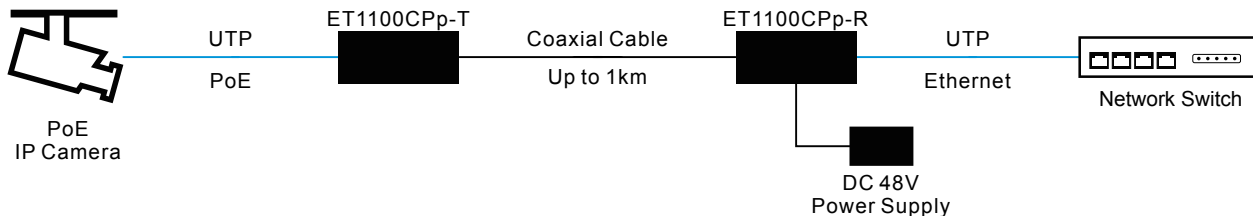
Warranty

- ▶ 5-Year Warranty

Ordering Information

Model	Description
ET1100Cp-T	Transmitter of 10/100Base-TX Ethernet Over Coaxial with PoE+ & PoC
ET1100Cp-R	Receiver of 10/100Base-TX Ethernet Over Coaxial with PoE+ & PoC
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.

Typical Application



Specifications

Ethernet

Standards:	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet
Cabling:	Cat5 or above
Maximum Distance:	100m
Connector	1xRJ45

Coaxial

Cabling:	Coaxial Cable (75 ohm)
Connector:	1 BNC (female)
Distance:	Up to 1Km on RG-59/U
Data Rate:	
Downlink:	90Mbps (max.)
Uplink:	90Mbps (max.)
Technology:	Power Line Communication(PLC)

Environmental

Operating 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

Electrical and Mechanical

Input Power:	48V~57VDC (Terminal Block) or IEEE802.3at PD
Power Consumption:	8W Max. (PoC not in use) 60W Max. (POC in use)
Protection:	
Reverse Polarity:	Present
PoE:	
Standard:	IEEE802.3at
Mode:	B
Port:	RJ45
Max. Power per port:	25.5W max. at RX (Powered Device) 30W max. at TX (Power Sourcing Equipment)
LED Indicators:	
Power:	Power Status
Ethernet:	SPD, LINK/ACT, PoE(Transmitter)
Coax Data:	LINK(Transmitter) / READY(Receiver) PoC(Receiver)
Dimensions (WxDxH):	114x82x31 mm
Weight:	250g
Casing:	Aluminum case
Mounting Option:	Wall Mounting

Regulatory Approvals

ISO9001
FCC Part 15 Class A
EN55022 Class A
EN61000-4-5 (Surge Standards)
RJ45: 1kV
Coax: 2kV
Power: 500V



OT Systems Ltd., Nov 2014

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

