

ET1100Cp Series

Industrial 10/100BASE-TX Ethernet over Coaxial 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

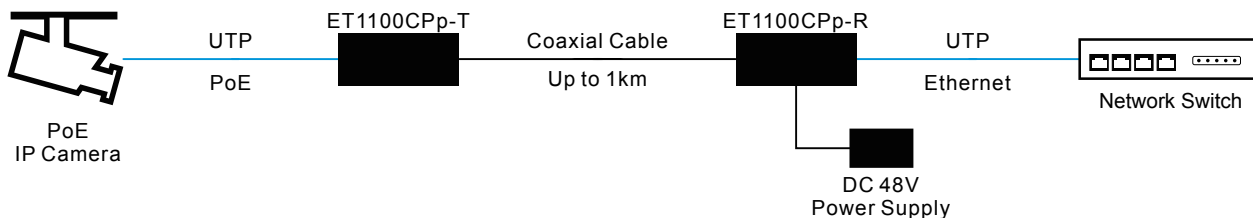
Warranty

- ▶ 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

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|-------------|-------------------------------|
| 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

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|----------------------|---|
| 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

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|-------------------------------|
| 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.

