

ET1100CP Series

Industrial 10/100BASE-TX Ethernet over Coaxial Converter with PoE & PoC

EtherXtra™



Ethernet Extension



Features

General

- ▶ Ethernet Extension: Security Link over Coax
- ▶ Support PoE (15.4W) and Power over Coax
- ▶ Constant Data Rate: 36Mbps/21Mbps(Downlink), 11Mbps/3Mbps(Uplink)
- ▶ Maximum distance: 500m over Coax (RG-59/U)
- ▶ Dip Switch for selecting distance 500m/300m
- ▶ Support Auto MDI/MDI-X function
- ▶ Microtype fits within most camera housing
- ▶ -10°C to 60°C (14°F to 140°F) operating temperature
- ▶ Accept 48VDC external power input or PoE power input from RJ45 port
- ▶ Built-in Surge Protection

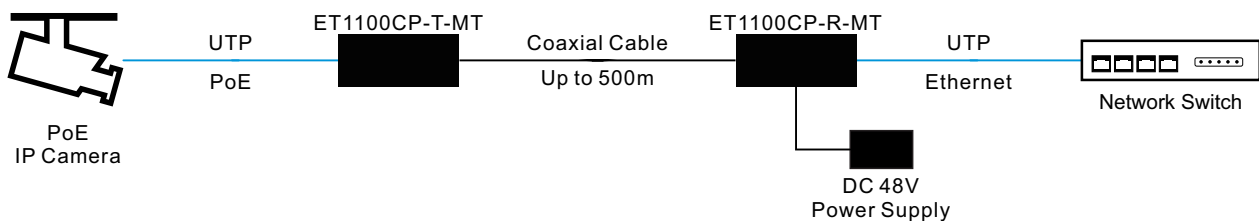
Warranty

- ▶ 5-Year Warranty

Ordering Information

Model	Description
ET1100CP-T-MT	Transmitter of 10/100BASE-TX Ethernet Over Coaxial with PoE & PoC
ET1100CP-R-MT	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
Cabling:	10Base-T: Cat3,4,5 or above 100Base-TX: Cat5 or above
Maximum Distance:	Cat5 UTP up to 100m
Connector:	1 x RJ45

Coaxial

Cabling:	Coaxial cable (75 ohm)	
Connector:	1 BNC (female)	
Distance:	Up to 300/500m on RG-59/U (Switch selectable)	
Data Rate:	<300m	<500m
Downlink (TX to RX)	36Mbps (Constant)	21Mbps (Constant)
Uplink (RX to TX)	11Mbps (Constant)	3Mbps (Constant)
Technology:	SLOC (Security Link over Coax)	

Environmental

Operating Temperature:	-10°C to 60°C (14°F to 140°F)
Relative Humidity:	0% to 80% non-condensing

Electrical and Mechanical

Input Power:	48-57VDC (2 pin connector) or PoE
Power Consumption:	3W (TX/RX) w/o PoE 24W (TX/RX) when PoC in use
LED Indicators:	
Power:	Power Status
Coax Link:	Coax Connected
Act:	Data is being transferred in Coax
PoC:	Power over Coax in use
PoE:	
Standard:	IEEE 802.3af
Port:	RJ45 (PD at Rx, PSE at Tx)
Mode:	Alternative B mode Positive (VCC+): RJ45 Pin 4, 5 Negative (VCC-): RJ45 Pin 7, 8
Max. Power Per Port:	12.95W (input) at Rx (Powered Device) 15.4W (output) at Tx (Power Sourcing Equipment)
Dimensions (WxDxH):	33x 117x 24.5 mm
Weight:	300g
Casing:	Aluminum case

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.

