

# ET1100CP Series

Industrial Microtype 10/100Base-TX (PoE) Ethernet Over Coax Extenders with PoC

Ethernet Extension

EoC with Power (SLOC)

**EtherXtra™**



## Features

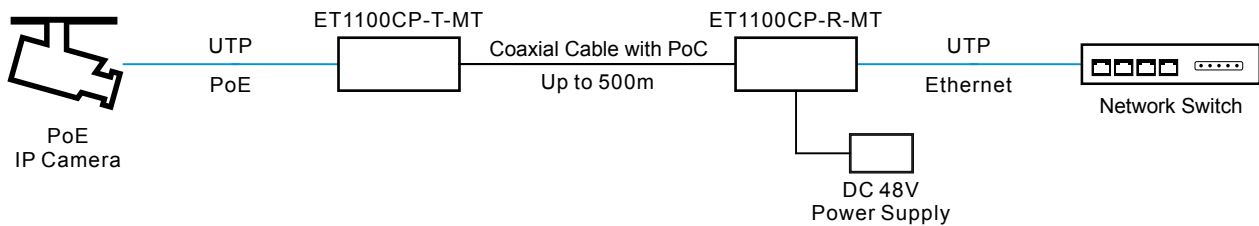
- ▶ Ethernet Extension: Security Link over Coax
- ▶ Support PoE (15.4W) and Power over Coax
- ▶ Constant Data Rate (Downlink/Uplink): 36Mbps/11Mbps@300m, 21Mbps/3Mbps@500m
- ▶ Maximum distance: 500m over Coax (RG-59/U)
- ▶ Dip Switch for selecting distance 500m/300m
- ▶ Support Auto MDI/MDI-X function
- ▶ Microtype fits within most camera housing
- ▶ -10°C to 60°C (14°F to 140°F) operating temperature
- ▶ Accept 48~57VDC external power input or PoE power input from RJ45 port
- ▶ Built-in Surge Protection



## Warranty

- ▶ 5-Year Warranty

## 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)	
Transmissions Distance	Up to 300m/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)	

### 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



## Specifications

LED Indicators	
Power	Power Status
Coax	LINK/ACT, PoC(Rx)
Ethernet	LINK/ACT, Speed, PoE
PoE	
Standard	IEEE802.3af
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 (W x D x H)	33 × 121 × 24.5 mm
Weight	300g
Casing	Aluminum case

### 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 90% non-condensing
MTBF	> 100,000 hrs

### Regulatory Approvals

ISO9001  
 FCC Part 15 Class A  
 EN55022 Class A  
 Surge Protection  
 RJ45: 1KV  
 BNC: 2KV  
 Power: 500V

## Ordering Information

Available Model	Description
ET1100CP-T-MT	Transmitter of 10/100Base-TX Ethernet Over Coaxial with PoC
ET1100CP-R-MT	Transmitter of 10/100Base-TX Ethernet Over Coaxial with PoC

### 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](http://www.ot-systems.com), or consult OTS sales at [sales@ot-systems.com](mailto:sales@ot-systems.com) for your power system design properly.

### Package Checklist

- Transmitter / Receiver of Ethernet Over Coaxial Extender with PoC x 1
- Quick Installation Guide x 1

