

# ET1100CPp Series

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

Ethernet Extension

EoC with Power (PLC)

**EtherXtra™**



## Features

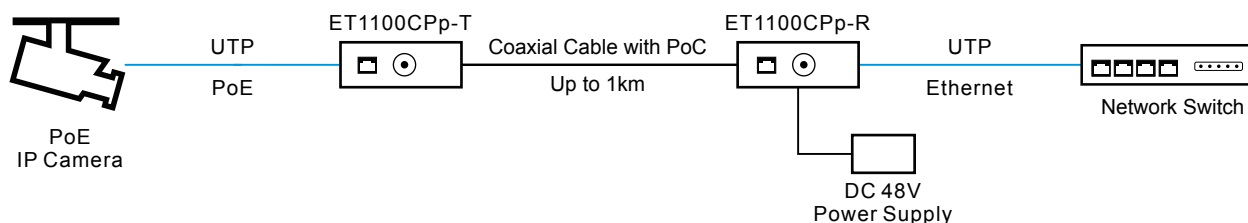
- ▶ PoE+ (30W) and Power over Coaxial
- ▶ 802.3af/802.3at Compliant
- ▶ Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- ▶ Max. Distance: 1 Km over Coax (RG-59/U) (for single channel extender only)
- ▶ Compatible with 4-port standalone Receiver & 8/16-port Rack Mount Receiver
- ▶ Accept 48~57VDC external power input or PoE power input from RJ45 port



## Warranty

- ▶ 5-Year Warranty

## Typical Application



## Specifications

| Ethernet                  |   |
|---------------------------|---|
| Standards                 | IEEE802.3 10Base-T<br>IEEE802.3u 100Base-TX<br>IEEE802.3af Power over Ethernet<br>IEEE802.3at Power over Ethernet |
| Cabling                   | Cat5 or above   |
| Maximum Distance          | 100m  |
| Connector                 | 1 x RJ45  |
| Coaxial                   |   |
| Cabling                   | Coaxial Cable (75 ohm)  |
| Connector                 | 1 BNC (female)  |
| Distance                  | Up to 1 Km on RG-59/U (for single channel extender only)  |
| Data Rate                 |   |
| Downlink                  | 90Mbps (Max.)   |
| Uplink                    | 90Mbps (Max.)   |
| Technology                | Power Line Communication (PLC)  |
| Electrical and Mechanical |   |
| Input Power               | 48-57VDC (Terminal Block) or IEEE 802.3at PD (for ET1100CPp-R only)   |
| Power Consumption         | 8W Max. (PoC not in use)<br>60W Max. (Poc in use)   |

## Specifications

|                        |  |
|------------------------|--|
| Protection             |  |
| Reverse Polarity       | Present  |
| LED Indicators         |  |
| Power                  | Power Status   |
| Ethernet               | SPD, LINK/ACT, PoE(Transmitter)  |
| Coax Data              | LINK(Transmitter) / Ready(Receiver) / PoC(Receiver), Activity              |
| PoE                    |  |
| Standard               | IEEE802.3af/at   |
| Mode                   | B  |
| Port                   | RJ45   |
| Max. Power Per Port    | 25.5W max.at RX(Powered Device)<br>30W Max.at TX(Power Sourcing Equipment) |
| Dimensions (W x D x H) | 114 × 82 × 31 mm   |
| Weight                 | 0.25 Kg  |
| Casing                 | Aluminum case  |
| Mounting               | Wall Mount   |

### 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  |
|-----------------|--|
| ET1100CPp-T     | Transmitter of 10/100Base-TX (PoE+) Ethernet Over Coaxial with PoC |
| ET1100CPp-R     | Receiver of 10/100Base-TX (PoE+) 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
- Hardware installation guide(printed) or QIG x 1