

ET1100CPp Series

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

Ethernet Extension

EoC with Power (PLC)

EtherXtra™



Features

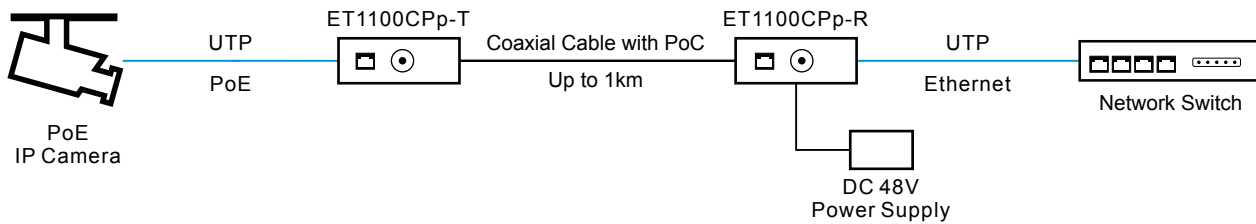
- ▶ PoE+ (30W) and Power over Coaxial
- ▶ 802.3af/802.3at Compliant
- ▶ Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- ▶ Max. Distance: 1 Km over Coax (RG-59/U) (for single channel extender only)
- ▶ Compatible with 4-port standalone Receiver & 8/16-port Rack Mount Receiver
- ▶ Accept 48~57VDC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



Warranty

- ▶ 5-Year Warranty

Typical Application



Specifications

Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet
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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)

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) 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, or consult OTS sales at 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