

ET1100UPp Series

Industrial 10/100Base-TX (PoE+) Ethernet over UTP Extenders with PoW

Ethernet Extension

EoUTP with Power

EtherXtra™



Features

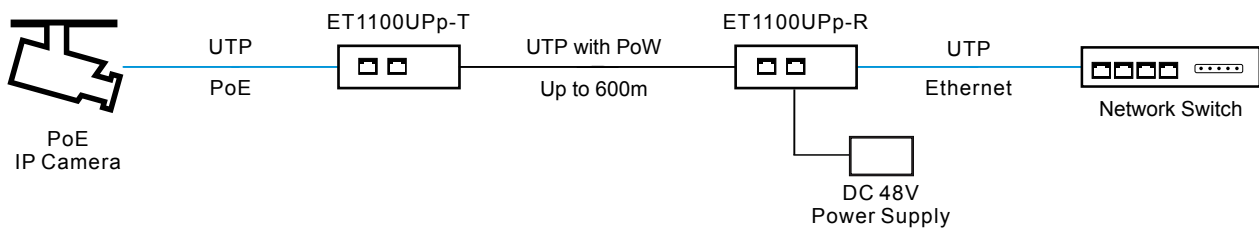
- ▶ PoE+ (30W) and Power over Wire
- ▶ 802.af/802.3at Compliant
- ▶ Data Rate up to: 90Mbps(Downlink), 90Mbps(Uplink)
- ▶ Max. Distance: 600m over Cat5e cable
- ▶ Support Wall Mount installation
- ▶ -10°C to 60°C (14°F to 140°F) operating temperature



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
Ethernet Connector	1 × RJ45
Ethernet Cabling	Cat5 or above
Ethernet Maximum Distance	100m
UTP	
Connector	1 × RJ45
Cabling	Cat5 or above
Distance	Up to 600m on Cast5e Cable
Data Rate	
Downlink	90Mbps (Max.)
Uplink	90Mbps (Max.)
Technology	Power Line Communication (PLC)
Electrical and Mechanical	
Input Power	48~57VDC (Terminal Block) or IEEE802.3at PD (for ET1100UPp-R only)
Power Consumption	8W Max. (PoW not in use) 60W Max. (PoW in use)
Protection	
Reverse Polarity	Present
Power Input Overload	Present

Specifications

LED Indicators	
Power	Power Status
Ethernet	SPD, LINK/ACT, PoE (Transmitter)
UTP Data	LINK (Transmitter) / READY (Receiver) / PoW (Receiver) / ACT
PoE	
Standard	IEEE802.3af/at
Port	RJ45
Max.Power	25.5W Max. at RX (Power Device) 30W Max. (Alternative B mode) at TX (Power sourcing Equipment)
Dimensions (W x D x H)	114 × 72 × 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
 UTP: 2KV
 Power: 500V

Ordering Information

Available Model	Description
ET1100UPp-T	Transmitter of 10/100Base-TX (PoE+) Ethernet over UTP with PoW
ET1100UPp-R	Receiver of 10/100Base-TX (PoE+) Ethernet over UTP with PoW

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 UTP with PoW x 1
- Quick Installation Guide x 1

