

# ET1100U Series

Industrial 10/100BASE-TX Ethernet over UTP Extender

**EtherXtra™**



Ethernet Extension



## Features

### General

- ▶ Data Rate up to: 90Mbps(Downlink), 90Mbps (Uplink)
- ▶ Max. Distance: 600m over Cat5e cable.
- ▶ Support Auto MDI/MDI-X
- ▶ Support Wall Mount installation
- ▶ -10°C to 60°C (14°F to 140°F) operating temperature

### Warranty

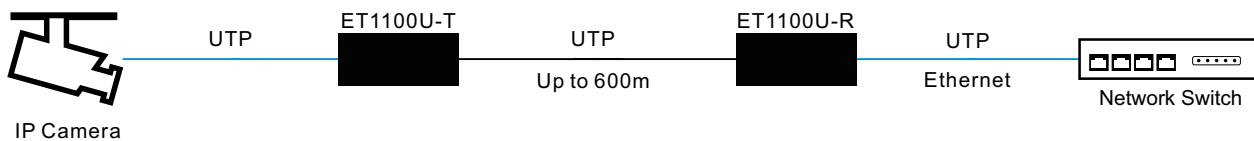
- ▶ 5-Year Warranty

## Ordering Information

| Model            | Description  |
|------------------|--|
| ET1100U-T        | Transmitter of 10/100BASE-TX Ethernet over UTP   |
| ET1100U-R        | Receiver of 10/100BASE-TX Ethernet over UTP  |
| Mounting Options | ■ Default Wall Mount built-in.   |
| Power Options    | ■ ET-PA/12V 1.25A 12VDC Power Adaptor. Open wire for Terminal Block.<br>■ Power Adaptor is included for all sales. |

NOTES: (1) Transmission distance may varies with quality and material of Cat5/UTP Cable.

## Typical Application



## Specifications

### Ethernet

|                   |   |
|-------------------|---|
| Standards:        | IEEE802.3 10BASE-T<br>IEEE802.3u 100BASE-TX |
| Ethernet:         |   |
| Connector:        | 1xRJ45                                      |
| Cabling:          | Cat5 or above                               |
| Maximum Distance: | 100m  |
| UTP:              |   |
| Cabling:          | Cat5 or above                               |
| Connector:        | 1xRJ45                                      |
| Distance:         | Up to 600m on Cat5 Cable                    |
| Data Rate:        |   |
| Downlink:         | 90Mbps(Max.)                                |
| Uplink:           | 90Mbps(Max.)                                |
| Technology:       | Power Line Communication(PLC)               |

### Environmental

|                        |                               |
|------------------------|-------------------------------|
| Operating Temperature: | -10°C to 60°C (14°F to 140°F) |
| Storage Temperature:   | -20°C to 70°C (-4°F to 158°F) |
| Relative Humidity:     | 5% to 95% non-condensing      |

### Electrical and Mechanical

|                       |   |
|-----------------------|---|
| Input Power:          | 12VDC (Terminal Block)                    |
| Power Consumption:    | 8W Max.                                   |
| Protection:           |   |
| Reverse Polarity:     | Present                                   |
| Power Input Overload: | Present                                   |
| LED Indicators:       |   |
| Power:                | Power Status                              |
| Ethernet:             | LINK/ACT                                  |
| UTP Data:             | SPD(Transmitter) / READY(Receiver)<br>ACT |
| Dimensions (WxDxH):   | 114x72x31 mm                              |
| Weight:               | 0.2Kg                                     |
| Casing:               | Mini Aluminum case                        |
| Mounting Options:     | Wall Mount                                |

### Regulatory Approvals

|                      |
|----------------------|
| ISO9001              |
| FCC Part 15, Class A |
| EN55022:2006+A1:2007 |
| Surge Protection     |
| RJ45: 1kV            |
| Power: 0.5kV         |
| UTP: 2kV             |



OT Systems Ltd., Nov 2014

Due to continuous improvement, all product specifications are subject to change without further notice.

