ETP-101T/R

Single Port Ethernet over 2-Wire Transmitter / Receiver (Multicast)

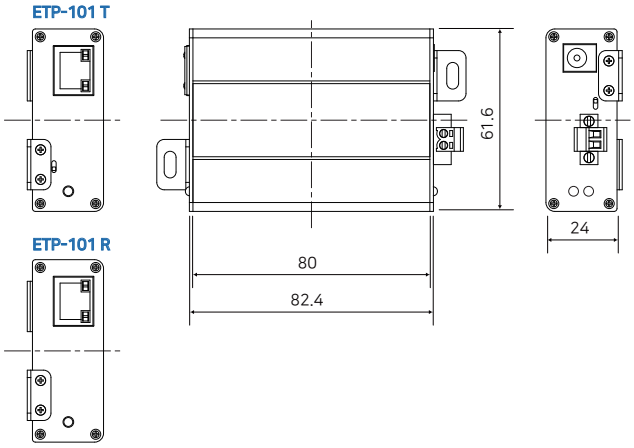
Overview

ETP-101T/R is a High-Speed, long distance Ethernet & PoE extender that makes possible to transmit the 100Mbps Ethernet signal and PoE up to 300m via 2-Wire cable (Twisted pair cable, COM, Power line) in different situations.

It is cost-effective and time saving solution to migrate existing analog system to IP based system since ETP-101T/R supports easy installation utilizing the existing cable.

With long distance transmission feature, the device makes to overcome 100 meters distance limitation easily and reduces the construction cost significantly.

Dimension



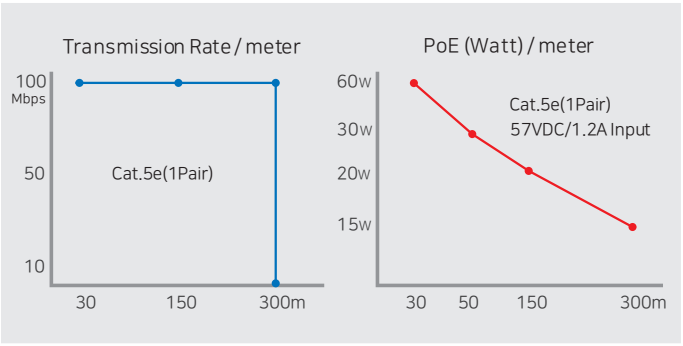
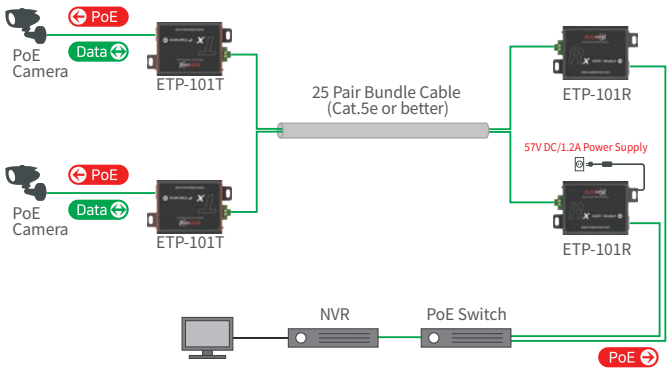
Features

- Ethernet Extension over 2-Wire Cable (Twisted Pair, COM, Alarm, Power line, etc.)
- Data + Power over 2-Wire cable
- Data & PoE distance up to 300m (Twisted Pair)
- Max. 100Mbps Bandwidth
- 10/100 Full Duplex
- Multicast Supported
- PoE, PoE+, Extra PoE (Max. 60W output) (ETP-101T only)
- PoE ON/OFF Switch (ETP-101T only)
- Quality LED (Data, Power, Link, PoE)
- Plug & Play
- Support PoE+ Input (25.5W) from PSE devices (ETP-101R Only)
- Compact Design
- Surge Protection

Specification

Model		ETP-101T	ETP-101R
Interface	EoC Signal	1 x 2-Pin Terminal Block–Ethernet over 2-Wire cable	
	Ethernet	1 x RJ45 – 10/100 Base-T with manual selection	
Transmission Rate		10/100Mbps Full Duplex	
Transmission distance	Ethernet	Up to 300m (1 Pair of Cat.5e)	
	PoE (PoC)	Up to 300m (1 Pair of Cat.5e / 7W Camera)	
LED Indication	Ethernet	1 x Link / Act (Green) / 1 x PoE (Green)	
	PoE	1 x Link (Blue) / 1 x Act (Green)	
	Power	1 x Power On(Green)	
Power	Input	DC48V~57V	
	PoE Output	IEEE802.3af (PoE), IEEE802.3at (PoE+), Extra PoE up to 60W	PoE Not Supported PoC Only
	PoE Input	Not Supported	Up to 25.5W (PD)
Mechanical	Dimension	82.4(L) x 61.6(W) x 24(H)mm	
	Weight	70g	
Environment	Operating Temp.	-20 ~ 60°C	
	Storage Temp.	-30 ~ 80°C	
	Relative Humidity	10% ~ 90%	
Compliance	Certification	FCC, CE, KC, RoHS	
	Surge Protection	IEC 61000-4-5 4kV(1.2 / 50us), 2kA(8 / 20us)	
Optional Accessories		57VDC / 1.2A External Power Supply	

Performance chart



Connection Diagram