

1TPP-WM

Industrial 10/100Base-TX(PoE+) Ethernet Over Twisted pair Extenders with PoW

Ethernet Extension

EoC with Power (PLC)

EtherXtra™

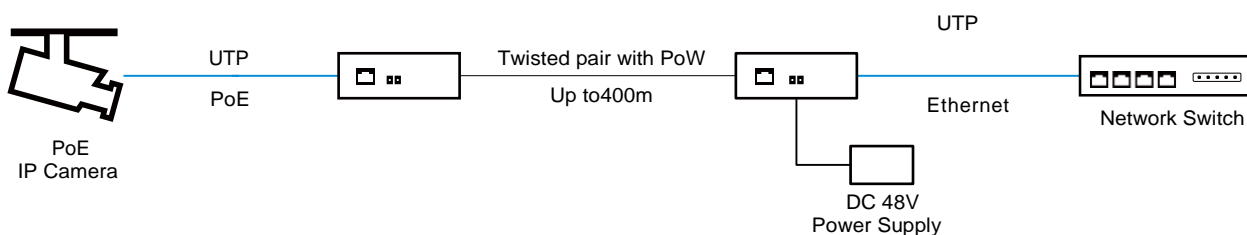


Features

- ▶ PoE+ and Power over Twisted pair
- ▶ 802.3af/802.3at Compliant
- ▶ Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- ▶ Max. Distance : 400m over Twisted pair
- ▶ Accept 48~57VDC external power input or PoE power input from RJ45 port



Typical Application



Specifications

Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet
Cabling	Cat5 or above
Maximum Distance	100m
Connector	1 x RJ45

Twisted pair

Cabling	Twisted pair
Connector	2-pin terminal block
Distance	Up to 400m@26AWG
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 1TPP-WM-R only) 8W
Power Consumption	Max. (PoW not in use) 60W Max. (PoW in use)

Specifications

Protection	
Reverse Polarity	Present
LED Indicators	
Power	Power Status
Ethernet	SPD, LINK/ACT, PoE(Transmitter)
Twist wire	LINK(Transmitter) / Ready(Receiver) / PoW(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 x 82 x 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
1TPP-WM-T	Transmitter of 10/100Base-TX(PoE+) Ethernet Over Twisted pair with PoW
1TPP-WM-R	Receiver of 10/100Base-TX(PoE+) Ethernet Over Twisted pair 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.riskexpert.lu, or consult sales at contact@riskexpert.lu for your power system design properly.

Package Checklist

- Transmitter / Receiver of Ethernet Over Twisted pair Extender with PoW x 1
- Hardware installation guide(printed) or QIG x 1