

# 1CP-WM Series

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

Ethernet Extension

EoC with Power (PLC)

**EtherXtra™**



## Features

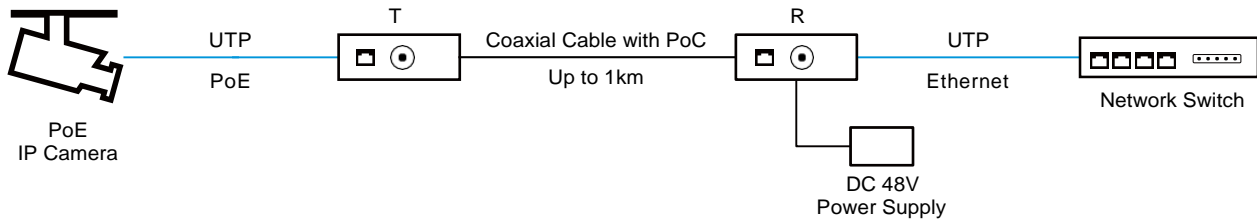
- ▶ PoE+ (30W) and Power over Coaxial
- ▶ 802.3af/802.3at Compliant
- ▶ Data Rate up to: 90Mbps (Downlink), 90Mbps (Uplink)
- ▶ Max. Distance: 1 Km over Coax (RG-59/U) (for single channel extender only)
- ▶ Compatible with 4-port standalone Receiver & 8/16-port Rack Mount Receiver
- ▶ Accept 48~57VDC 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
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 1CP-WM-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 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
1CP-WM-T	Transmitter of 10/100Base-TX (PoE+) Ethernet Over Coaxial with PoC
1CP-WM -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.riskexpert.lu](http://www.riskexpert.lu), or consult sales at [contact@riskexpert.lu](mailto:contact@riskexpert.lu) 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