

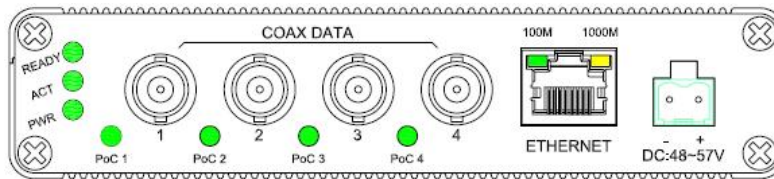
ECR-4-PoE+ Instruction Manual

Overview

The ECR-4-PoE+ (4 port receiver) operates with the ECT-1-PoE+ (transmitters) to provide Ethernet Extension for up to 4 channels of 10/100Base-TX over coaxial cable. The ECR-4-PoE+ incorporates an Ethernet switch which consolidates the input EoC signals to 1 port of 10/100/1000Mbps Ethernet. This equipment is capable of operating over a coaxial cable distance of up to 800m. This product supports PoC, hence, no dc power is required for the transmitter side and the connected IP camera (assuming the camera supports Power over Ethernet PoE). This product is good for retrofitting analogue to IP while maintaining the existing coaxial cable infrastructure.

Physical Description

Front Panel



Rear Panel



Mounting holes

Installation

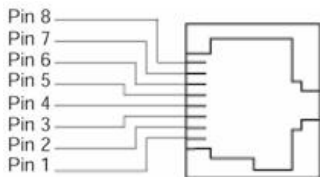
There are two mounting holes in each side of the rear panel. Mount the product on wall with appropriate screws. Then, push left or right, if the equipment fixed vertically, or push down, if equipment fixed horizontally, to make it fixed tighter. Installation now is completed.

Setup

1. The EoC receiver is a plug-and-play device. Connect an external AC to DC power adaptor (48VDC to 57VDC output) to the power connector (2 pin terminal block) according to the polarity shown in the Power Connection section. Then attach the plug into a standard AC outlet. The PWR LED will then be lit.
2. The READY LED will be lit (ON) when the receiver is ready for data transfer.
3. Connect one end of the coaxial cable to a female BNC connector (COAX DATA) on the ECR-4-PoE+ and the other end to a transmitter (ECT-1-PoE+). If the transmitter and receiver are properly connected and communicating with each other, the ACT will be lit (ON). The PoC LED will be lit too when the PoC is in use.
4. Connect the Ethernet cable from an NVR or PC or similar equipment to the Ethernet (10/100/1000Base-T) port. If the cable is properly connected, the corresponding LED (100M or 1000M depending on the Ethernet connection) at the RJ45 port will be lit. If there is data being transferred, the LED will be blinking.

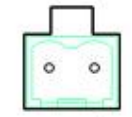
Interface

RJ-45 Pin Assignment



Pin	Signal Name
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-

Power Connection:

Description	Pin		 - + DC:48~57V
	-	+	
Power Input	GND	48~57VDC	



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Cable Connection

Interface Type	Support Description	Cable Type
RJ45	10Base-T 100Base-TX 1000Base-T	Category 3 or above cable Category 5 or above cable Category 5 or above cable
BNC (Female)	Ethernet over Coax Data	RG-59/U or similar
2-pin Terminal Block	Power input (48~57VDC)	2-wire

LED Status

LEDs	Colour	State	Indication	
PWR	Green	Steady	Power on	
		Off	Power off	
ACT	Green	Flashing	Data transfer within the coaxial cable	
		Off	No data transfer within the coaxial cable	
READY	Green	Steady	The converter is ready for data transfer	
		Off	The converter is not ready	
PoC 1 PoC 2 PoC 3 PoC 4	Green	Flashing	Detection stage	
		ON: 1 sec, OFF: 5 sec (Repeat)	Un-connected or broken coaxial cable	
		ON: 2 sec OFF: 4 sec (Repeat)	TX is connected with power adaptor (PoC not required)	
		ON: 3 sec OFF: 3 sec (Repeat)	Overload	
		ON	Power over Coax in use	
Ethernet	100M	Green	Steady	Ethernet connection of 10/100Base-TX is established
			Flashing	Transmitting or receiving Ethernet data
			Off	Neither valid Ethernet connection established nor transmitting or receiving Ethernet data
	1000M	Yellow	Steady	Ethernet connection of 10/100/1000Base-T is established
			Flashing	Transmitting or receiving Ethernet data
			Off	Neither valid Ethernet connection established nor transmitting or receiving Ethernet data

Dimensions (Unit: mm)

