EB201



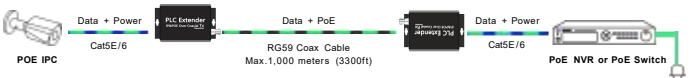
IP&POE Over Coax

Datasheet

Introduction

EB201 is used to transmit network data (video, audio, control signal) and PoE power over existing coaxial cables or twisted pair cables. The max. transmission distance can be up to 3,000ft. It has been widely used to upgrade traditional analogue video surveillance system to IP surveillance system without replacing coaxial cables.

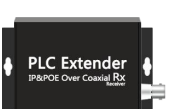
Typical Connection Diagram



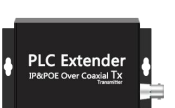
Important Notification:

1. RX-Receiver has to be connected to a IEEE802.3af/at PoE switch or PoE NVR. It is strongly recommend to use a good quality 30W POE+ port.
2. The coaxial cable has to be poin-to-point direct cable between RX-Receiver and TX-Transmitter, no BNC repeater/T-connect/splitter in the middle.
3. The TX-Transmitter outputs PoE mode A only (power and data through pin 1,2,3,6).

Packing Update



RX-Receiver



TX-Transmitter

Package Included



1 *TX-Transmitter*



1 *RX-Receiver*

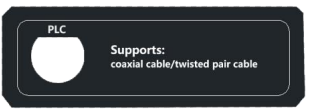


2 BNC to Twist Pair Connector eceiver



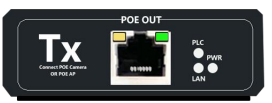
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Panel View





RX-Receiver



TX-Transmitter

SN	Interface	Note
1	PoE OUT	To connect POE device (IPC,VoIP,AP,etc.)
2	PoE IN	To connect PoE injector,PoE Switch,or PoE NVR
3	Lan	BNC port Link indicator light
4	PWR	Power indicator light
5	PLC	Coaxial cable port

Data Sheet

Technical Specification	
Model	EB201
Function	1*10/100Mbps Base-TX 1*BNC
Power Consumption	<2W
Transmission Bandwidth	RG59 coaxial cable
	400m/100Mbps, 1000m/10Mbps
PoE Protocol	IEEE802.3af,IEEE802.3at
Network Standard	IEEE802.3(x),IEEE802.3u
Lightning Protection	Common Mode 4KV Differential Mode 2KV
Operating Temperature	-30°C to 65°C (-22° F to 149° F)
Operating Humidity	5%~95%
Weight(each)	61 g(0.1341bs)
Dimension (W x D x H)	69mm x 59mm x 23mm

Transmission Performance

Transmission Performance		Performance
100m(330ft)	Bandwidth	100Mbps
	Load Capacity	21W
300m(1,000ft)	Bandwidth	100Mbps
	Load Capacity	11W
1000m(3,280ft)	Bandwidth	10Mbps
	Load Capacity	4W

- This chart is based on regular RG59 coaxial and powered by standard DC48V POE injectors.
- This IP&POE Over Coax can transmit up to 100Mbps network data and load max 11W POE device in 300 meters (or 1,000ft).
- The network bandwidth will be automatically lowered to 1 OMbs over 1,000ft and the max transmission distance is 3,280ft. This bandwidth is still sufficient for single 4K IP camera.
- **The performance will be better when using RG6 cable or DC53V POE injectors.**

PoE Power and Distance Performance

