

# IVB-EOC-202

Single-Port Long Range Ethernet over Coax Extender



- Supports long range power supply transmission via coaxial cable
- Port: 1\*RJ45 10/100Mbps, 1\*BNC
- Supports RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps
- Supports MDI/MDIX self-adaption
- Supports IEEE802.3, IEEE802.3u standards
- Sold in pairs (Transmitter and Receiver)
- Supports IEEE802.3af and IEEE802.3at power supply standards

The IVB-EOC202 is a RJ45 to BNC port converter which supports long range power supply transmission via coaxial cable. The receiver/ transmitter package provides one BNC coaxial port and one RJ45 port and pairs with our IVB-EOC 102 converter for ePOE support. The unit is equipped with 100Mbps and 10Mbps transmission modes and can be modified depending on the transmission distance.

## Technical Specification

### System

Model	IVB-EOC-202
Connections	1* 10/100 Mbps 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, IEEE802.3u, IEEE802.3x
Lightning Protection	Common Mode 4KV Differential Mode 2KV
Operating Temperature	-30°C-65°C
Operating Humidity	5%-95%
Weight	0.13 9lbs (61g)
Dimension (WxDxH)	79mmx52mmx23mm

### Transmission Performance

The cable used is RG59 coaxial, 100m, DC impedance no more than 5Ω

Cable Distance (m)		48V Support	53V support
Bandwidth(Mbps)/Load Capacity(W)			
100m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	21	25.5
200m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	15	24
300m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	11	19
400m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	9	16
500m	Bandwidth (Mbps)	10	10
	Load Capacity (W)	7	13
800m	Bandwidth (Mbps)	10	10
	Load Capacity (W)	5	8
1000m	Bandwidth (Mbps)	10	10
	Load Capacity (W)	4	6

# Application

