

# PIX-ACE021RX / PIX-ACE021TX

## Single-Port Long Reach Ethernet over Coax Extender



- Supports IEEE802.3, IEEE802.3u standards.
- Support data line (1, 2, 3, 6) PoE power supply.
- Port: 1\*RJ45 10/100Mbps, 1\*BNC.
- Supports RG59 coaxial cable: 400m/100Mbps, 1000m/10Mbps.
- Supports MDI/MDIX self-adaption.
- Supports long range power supply transmission via coaxial cable.

**PIXVIDEO**  
image without compromises

### Overview

The product is divided into transmitter PIX-ACE021RX and receiver PIX-ACE021TX. It is designed to work as a type of converter from RJ45 to BNC port, which supports long range power supply transmission via coaxial cable. It provides one BNC coaxial port and one RJ45 port. The product is equipped with two transmission modes which are 100Mbps and 10Mbps. It can be modified according to the transmission distance.

### Hardware

Model	PIX-ACE021RX	PIX-ACE021TX
Function Port	1*10/100 Mbps Base-TX 1*BNC	
Power Consumption	<2W	
Transmission Bandwidth	RG59 coaxial cable:400m/100Mbps, 1000m/10Mbps	
PoE Protocol	48V Passive PoE (Pairs 1, 2+; 3, 6 Return)	
Network Standard	IEEE802.3, IEEE802.3u, IEEE802.3x	
Lightning Protection	Common Mode 4KV Differential Mode 2KV	
Operating Temperature	-30°C to 65°C	
Operating Humidity	5%~95%	
Weight	61 g (	
Dimension (W×D×H)	79 mm × 52 mm × 23 mm	

Take RG59 as an example (Max. DC resistance < 5.0Ω/100m)			
PIX-ACE021RX/PIX-ACE021TX		Supports with 48V	Supports with 53V
100m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	21	25.5
200m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	15	24
200m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	11	19
300m	Bandwidth (Mbps)	100	100
	Load Capacity (W)	9	16
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

