

Ethernet Repeater



Description:

The CAIR01 is an Ethernet repeater that uses advanced network cable driving and power supply technology to extend 100M Ethernet signal to 985 feet (300m). The extender greatly increases the transmission distance and provides Power over Ethernet (PoE) at the same time. The extender has one PoE input port and two PoE output ports.

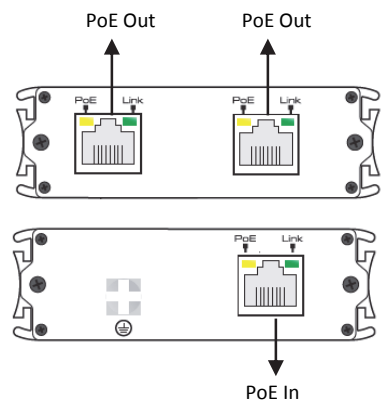
Features:

- Extender
 - 1 - PoE input port
 - 2 - PoE output port
- Transmits Ethernet signal and power up to 985 feet (300m) through network cable
- Use CAT5e / 6 cable
- Plug-and-play, no set-up required

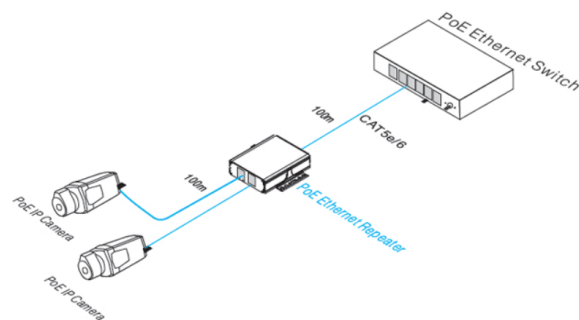
CAIR01 Specifications

Model	Network Cable
CAIR01	CAT5e / 6

Power	
Consumption	< 3W
Power Supply	PoE power supply
Ethernet Port	
Ethernet Port	PoE Input: 10/100 Mbps PoE Output: 10/100 Mbps <i>Transmission bandwidth changes with transmission distance. Please refer to the table below.</i>
Transmission Distance	100m
Transmission Medium	CAT5e / 6
PoE Protocol	IEEE802.3af, IEEE802.3at
PoE Mode	Support end-span and mid-span
Network Switch	
Network Standard	IEEE802.3 10 BASE-T IEEE802.3u 100 BASE-TX
Network Delay	<20us
Protection Level	
ESD	1a Contact Discharge – Level 3 1b Air Discharge – Level 3 Per: IEC61000-4-2
Lightning Protection	Per: IEC61000-4-5 – Level 3

General Information	
Temperature	-40°F to 167°F (-40°C to 75°C)
Humidity	≤ 95%
Weight	0.43 lbs. (195g)
Dimensions (L x W x H)	4.05" x 3.22" x 0.98" (103 x 82 x 25 mm)
Dimensions	
	

PoE Input Distance (m)	PoE Output Distance (m)	Impedance Power (W)
100	1	22.5
100	100	20
100	100	18.8



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Specifications and design are subject to change without notice. Conversions: 1" = 25.4mm Measurement conversions are approximate.