



Product Description

This BCP® Power Supply-Free PoE Extender is a cost effective way to extend the Ethernet network range beyond 100m, delivering both data and power to network devices such as WLAN access points and network cameras up to a distance of 200m while complying with IEEE PoE and data standards, including ANSI/TIA-568.0-D Standard of 2017.

This model supports 10/100Mbps data rates and delivers 802.3af power levels, up to 15.4W. The PoE Extender does not require local power and is powered via the PoE input. Extended PoE installation range by additional 100m.

Features & Benefits

- Supports 10/100Mbps data rates
 - Provides 802.3af power levels when powered by any 802.3 at source
 - Extenders can be cascaded to reach up to 700m

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Technical Specifications

POE input	1 RJ45 port (DC 44-57V, 802.3at)
POE output	2 RJ45 port (48V, 802.3af)
POE Pin Output	1/2(+), 3/6(-): MAX Power 15W
Network Medium	Cat 5 or better UTP cables (less than 120m)
Repeater Mode	Store and forward
MAC Address Table	2K
Packet Buffer Memory	48 Byte
Switching Capacity	1.0Gbps
PoE Standard	IEEE 802.3af
Input power	13 Watts
Output power	12.2 Watts
Power Supply Type	1/2+, 3/6-, Mode A, End-Span
Network Protocol	IEEE 802.3i-10BASE-T, IEEE 802.3u: 100BASE-TX, IEEE 802.3x-Flow Control, IEEE 802.3af-Power over Ethernet
Regulation Compliance	FCC Part 15B, ROHS Directive 2011/65/EU, Low Voltage Directive 2014/35/EU, EMC Directive 2004/108/EC
Working temperature	-10°C to 45°C
Working Humidity	5%~90%, No Condensation
Dimension	44x88x22mm / 2.95" x 3.46" x 0.86"
Weight	52g



- Cost effective installation - no need for local power
- Plug and play installation - no configuration needed
- Comply with IEEE 802.af PoE (10/100M Supported)
- Extends the range of PoE by an additional 100 meters
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- 2-port PoE extender can forward both Ethernet and PoE power for one terminal equipment via Cat 5 to Cat 6E, UTP cable.
- 2-port PoE extender has three 10/100M LAN ports, one for power input, the other two for power output. Complies with 10/100BASE-TX, IEEE 802.3af PoE.
- Power input for one port is 13W. Power output for four port is 12.2W.
- Used with AP, IP camera, IP telephone and the other network equipment in the situation of the lack of power line or far away from the power outlets
- Installed at hotels, schools, buildings, villages, etc.

Configuration example of the application



Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Product		Output Power		Plug		No of Out Ports	
B/PEIJ	POE Injector	15W	15W	SCH	SCHUKO	1	1 Port Out
B/PEEX	POE Extender	30W	30W	EU	Euro	2	2 Port Out
B/PEBS	POE Booster	60W	60W			3	3 Port Out
B/PEAO	POE All in One					4	4 Port Out
B/PEPF	Power Supply-Free POE						
▲		▲		▲		▲	
B/PEPF	48V	15	ETH	SCH	1	2	1
	▼		▼		▼		▼
48 Volts	48V	1GB	1GB	1 Port In	1	Model 1	1
24 Volts	24V	100 MB	ETH	2 Port In	2	Model 2	2
				3 Port In	3	Model 3	3
				4 Port In	4	Model 4	4
Voltage		Size		No of In Ports		Model	

Example Part Number	
Description	Part Number
BCP Power Supply-Free PoE Extender	B/PEPF48V15ETHSCH121