

Power Over Ethernet PoE Midspan Injector Category 5e 1 Port 802.3af  
Type B w/ Lightning Protection & Power Supply 48 Volts at 48 Watts

## PI-1C5E-AFB-LP-4848 PoE Injector



### Features

- IEEE 802.3af compatibility
- Includes 48VDC @ 48 Watt
- Midspan type PoE injector with Type B wiring
- Rugged die cast aluminum enclosure with integral mounting feet
- 1 port design
- Lightning and surge protection included

### Applications

- IP Cameras
- VoIP (Voice over Internet Protocol) Telephones
- Access points, bridges, amplifiers and amplified antennas
- Building and control systems
- Digital signage
- Network switches
- Lighting systems
- Traffic systems
- Smart home and building
- POS systems

### Description

Transtector's PI-1C5E-AFB-LP-4848 single-port Category 5e (Cat 5e) Midspan/Injector (also known as PoE Passive Splitter) is a commercial grade Power-over-Ethernet device that provides DC or AC power for one 10/100 Base-T Ethernet Power-over-Ethernet, PoE equipped network device. PoE is used to supply power to devices such as Cameras, Access Points, IP Phones, and the like eliminating the need for an outlet near the devices and extra power cables. It is compatible with devices that support the IEEE 802.3af standard PoE power feed using Mode B (Pins 4/5 and 7/8). The unit supports both positive and negative DC as well as AC power up to 60 volts. The PI-1C5E-AFB-LP-4848 features integral surge protection for the data and power feeds. The unit eliminates the need for an external surge protector and is designed to provide protection for expensive indoor equipment. The design provides protection for both common and differential mode surges. This unit can also be used as a stand alone lightning surge protector. The PI-1C5E-AFB-LP-4848 features shielded RJ45 jacks. This along with a metal housing helps reduce the effects of EMI interference. A ground lug and terminal is located directly on the injector housing providing superior grounding. The cast aluminum housing includes integral mounting feet for ease of installation. This kit includes the protector/injector and a 48VDC @ 48W power supply (PIPS-48V48W-R25MMDC). Transtector also sells Ethernet surge protection devices and Ethernet cables capable of connecting PoE devices. Check out Transtector's website and buy online today.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Ethernet Connectors		RJ45 Jack		
PoE Version		802.3af		
Ethernet Standard		Category 5e, 10/100/1000Base-T		
Max Current			1.5	A
Voltage Rating DC (Input)			48	VDC
Voltage Rating DC (Output)			48	VDC

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Power Over Ethernet PoE Midspan Injector Category 5e 1 Port 802.3af Type B w/ Lightning Protection & Power Supply 48 Volts at 48 Watts](#)

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### PoE Injector



Operating Voltage DC	60	VDC
Operating Voltage AC	60	VAC
Power Connector	2.5mm DC Jack	
Wire Type	Type B	

### Mechanical Specifications

#### Size

Height	1.5 in	[38.1 mm]
Width	2.5 in	[63.5 mm]
Length	4.5 in	[114.3 mm]
Weight	1.08 lbs	[489.88 g]
Housing Material	Aluminum	
Grounding Lug	Yes	
Mounting Type	Mounting Feet	

### Environmental Specifications

Operating Temperature, Injector	-40 to +70 deg C
Environment Type	Indoor

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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