

Power Over Ethernet PoE Midspan Injector Category 6 4 Port 802.3af Type B

PI-4C6-AFB PoE Injector



Features

- IEEE 802.3af compatibility
- Power supply not included
- Midspan type PoE injector with Type B wiring
- Rugged die cast aluminum enclosure with integral mounting feet
- 4 port design

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-4C6-AFB quad-port Gigabit Category 6 (Cat 6) Midspan/Injector is a commercial grade Power-over-Ethernet device that provides DC or AC power for up to four 10/100/1000 Base-T Power-over-Ethernet, PoE equipped network devices. 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. The unit uses Gigabit transformers on all four data pairs in contrast to cheaper designs that only use transformers for two pairs. 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 PI-4C6-AFB features shielded RJ45 jacks. This along with a metal housing helps reduce the effects of EMI interference. A ground lug and terminal is provided directly on the injector housing providing superior grounding. The cast aluminum housing includes integral mounting feet for ease of installation. This unit does not come with a power supply. The user can choose the appropriately sized power supply based on the equipment needs up to 60 volts DC or AC. Please see Transtector's PIPS series of power supplies to purchase one separately or look to other parts in the PI-injector family that do come with a power supply included. 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 6, 10/100/1000Base-T | | |
| Max Current | | | 1 | A |
| Voltage Rating DC (Input) | | | 56 | VDC |
| Voltage Rating DC (Output) | | | 56 | VDC |
| Operating Voltage DC | | | 60 | VDC |
| Operating Voltage AC | | | 60 | VAC |
| Power Connector | | 2.5mm DC Jack | | |

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 6 4 Port 802.3af Type B](#)

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| | |
|-----------|--------|
| 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 | 0.33 lbs [149.69 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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URL: <https://www.transtector.com/poe-injector-category-6-4-port-rj45-jack-pi-4c6-afb-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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