

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

**PI-4C6-AFB-DN**  
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 DIN rail mount
- 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-DN quad-port, DIN rail, 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 Appliance 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-DN 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 cast aluminum injector housing providing superior grounding. The injector can be mounted to a DIN 3 rail using the DIN mounting clip located on the rear of the device. 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

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 DIN Rail Mount](#)

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## PI-4C6-AFB-DN

### PoE Injector



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	0.33 lbs	[149.69 g]
Housing Material	Aluminum	
Grounding Lug	Yes	
Mounting Type	DIN Rail	

## 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.

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 DIN Rail Mount](https://www.transtector.com/poe-injector-category-6-4-port-rj45-jack-pi-4c6-afb-dn-p.aspx)

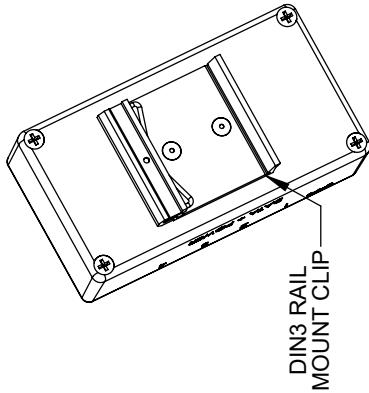
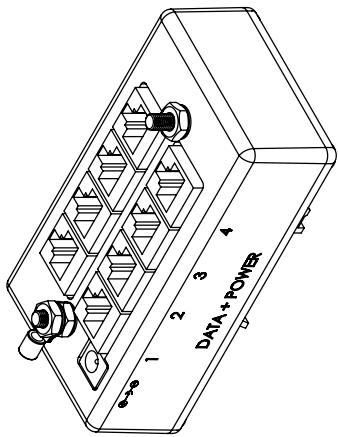
URL: <https://www.transtector.com/poe-injector-category-6-4-port-rj45-jack-pi-4c6-afb-dn-p.aspx>

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.

Power Over Ethernet PoE Midspan Injector Category 6,4 Port 802.3af Type B DIN Rail Mount

REV		DESCRIPTION		DATE	APPROVED
A	CIN INITIAL RELEASE			03/13/20	DIGITALDAUR

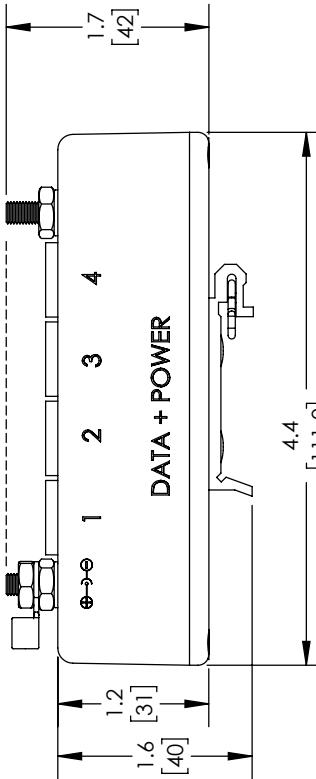
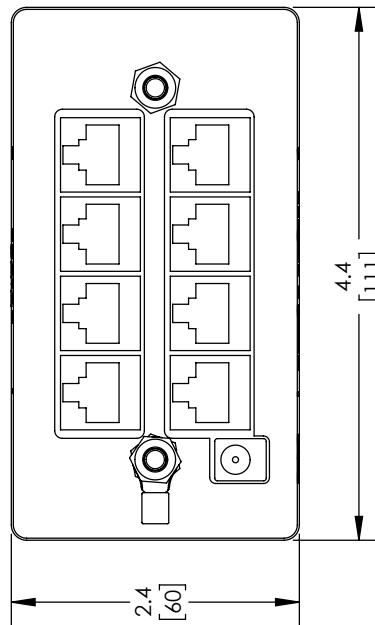
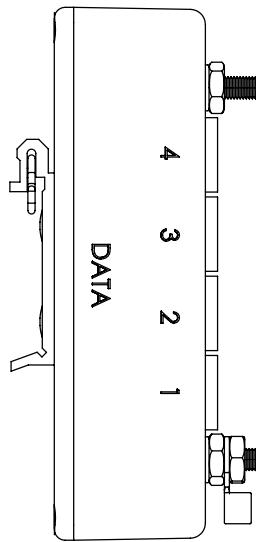
**CAD Drawing**



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NOTE:

1. COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED

2. ALL DIMENSIONS FOR REFERENCE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]	APPROVALS	DATE	<b>TRANSTECTOR</b>	
			an INFINITI <sup>®</sup> Brand	CATEGORY
OVERALL CABLE LENGTH TOLERANCE: ≤12.305] = +125) /-0 >12.305] = +125) /-0 ≤12.1524] = +42.51) /-0 >12.1524] = +42.51) /-0 ≤12.0152] = +4.102) /-0 >12.0152] = +4.102) /-0 ≤30.048] = +6.152) /-0 >30.048] = +6.152) /-0	D.CUL CHECKED BY SPAN	03/09/20 03/09/20 03/09/20	APPROVED BY DIGITALDAUR	10701 Airport Road, Hayden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041
ALL OTHER DIMENSIONAL TOLERANCES: X = ±2.15] FRACTIONS XX = ±.021.5] ±1/32 .XXX = ±.003 [±.13] ANGLES ± 1°	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY			PRODUCT DESCRIPTION POE INJECTOR CAT6 4PORT 802.3AF B DIN
	COLOR VARIATIONS MAY OCCUR	REF	ITEM NO. <b>A 30992</b>	SCALE: NONE CAD FILE: PI-4C6-AFB-DIN.SLDDRW
			PI-4C6-AFB-DIN	REV. A SHEET 1 OF 1