Quad Port DIN 3 Rail Mount Passive Gigabit Power-Over-Ethernet (PoE) Midspan/Injector - Model: BTD-CAT6-P4

Applications

- Wireless LAN access points and bridges
- WAN millimeter radios
- High definition IP surveillance cameras
- Wired gigabit PoE switches

RoHS Compliant

Features

- DIN 3 rail mountable
- IEEE 802.3af compatibility
- Transformer isolation on all 4 pairs
- Up to 60 volts DC or AC power
- Available individually or in kits

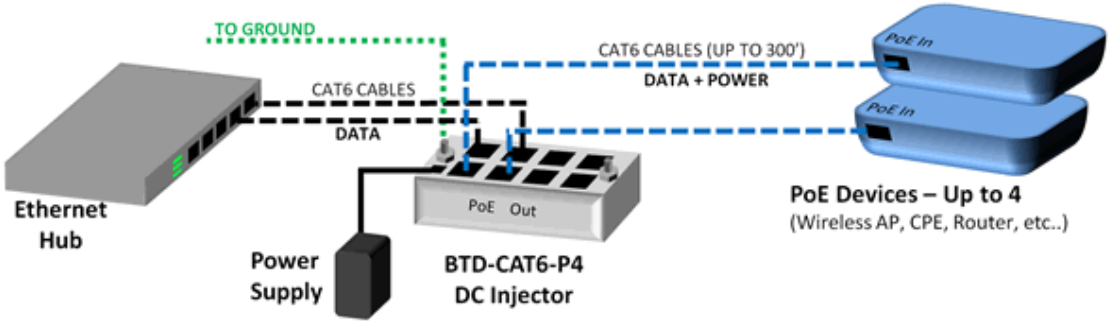
Description

The BTD-CAT6-P4 Quad-Port Gigabit CAT6 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. 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). Power-over-Ethernet eliminates the need for an AC outlet at each Network Appliance location.

The BTD-CAT6-P4 features shielded RJ45 jacks. This along with the BTD-CAT6-P4's 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.

This unit can be mounted to a DIN 3 rail using the DIN mounting clip located on the rear of the unit.

This unit is available individually or as in a kit version featuring either a 48VDC @ 48 Watt or a 48VDC @ 70 Watt power supply.



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Specifications

Mechanical Specifications

Enclosure Material	Cast Aluminum
Ground Lug	12 AWG Max.
DIN Mounting Clip	DIN 3 Rail Mount
Operating Temperature (Injector only)	-40°C to +70°C
Weight	.40 lbs. (.18 kg)
Dimensions	4.5 x 2.5 x 1.5 Inches (114.3 x 63.5 x 38.1 mm)
RoHS Compliant	Yes

Electrical Specifications

Max Voltage	60 Volts AC/DC
Max Current	1.0 A (per port)
Power Connector	Standard 2.5mm Coaxial DC Power Jack (2.5mm x 5.5mm x 10mm)
Ethernet Connectors	(8) Shielded RJ45 Jacks
Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6 Pair 3: Pins 4 and 5 Pair 4: Pins 7 and 8
Power Lines	+/- VDC: Pins 4 & 5 +/- VDC: Pins 7 & 8

Electrical Diagram