

HyperLink Brand Passive Gigabit Power-Over-Ethernet (PoE) Midspan/Injector Model: BT-CAT6-P1

Applications

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

Features

- IEEE 802.3af compatibility
- Transformer isolation on all 4 pairs
- Up to 60 volts DC or AC power
- Rugged die cast aluminum enclosure with integral mounting feet



Description

The BT-CAT6-P1 Single-Port Gigabit CAT6 Midspan/Injector is a commercial grade Power-over-Ethernet device that provides DC or AC power for one 10/100/1000 Base-T Power-over-Ethernet, PoE equipped Network Appliance device. 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 BT-CAT6-P1 features shielded RJ45 jacks. This along with the BT-CAT6-P1's 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 is available individually or as in a kit version featuring either a 48VDC @ 48 Watt or a 48VDC @ 70 Watt power supply.

Specifications

Mechanical Specifications

Enclosure Material	Cast Aluminum
Ground Lug	12 AWG Max.
Operating Temperature (Injector only)	-40°C to +70°C
Weight	.28 lbs. (.13 kg)
Dimensions	3.6 x 1.4 x 1.2 Inches (91.4 x 35.5 x 38.1 mm)
RoHS Compliant	Yes

Electrical Specifications

Max Voltage	60 Volts AC/DC
Max Current	1.0 A
Power Connector	Standard 2.5mm Coaxial DC Power Jack (2.5mm x 5.5mm x 10mm)
Ethernet Connectors	(2) 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

