

Single-Port Passive Power-Over-Ethernet (PoE) Midspan / Injector Model: BT-CAT5-E1

Applications

- Wireless LAN Access Points and Bridges
- IP Surveillance Cameras
- VoIP (Voice over Internet Protocol) Telephones
- Wired Switches
- Indoor use only

Features

- (2) 10/100BaseT Shielded RJ-45 Jacks
- One male 2.5mm Power Connection
- 5-48 VDC Max. Input and Output
- Over Current Protection
- Available with Power Supplies



Description

The BT-CAT5-E1 is a compact indoor single-port CAT5 Midspan/Injector (also known as PoE Passive Splitter). It provides DC power for one PoE-equipped device and is compatible with APs and other equipment supporting the IEEE standard PoE pinout (Pins 4/5 Power+ and Pins 7/8 Power-).

Power-over-Ethernet eliminates the need for an AC outlet at each AP location. Only a single Ethernet cable is run to each AP instead of separate power and data cables. The injector is typically installed near the Ethernet hub.

This compact Midspan/Injector features shielded RJ45 Jacks and power indicator LED. An over current protection circuit is designed into the unit for added protection of PoE devices used with this injector.

Specifications

Electrical Specifications

DC Input Voltage	5-48V Max. \pm 5 %
DC Output Voltage	5-48V Max. \pm 5 %
Max Output Current	0.4A Max.
Over Current Protection	Yes
Data Lines Pinouts	Pair 1: Pins 1 & 2 Pair 2: Pins 3 & 6
CAT5 Power Pinouts	+VDC: Pins 4 & 5 -VDC: Pins 7 & 8

General Specifications

Operating Temperature	0°C ~ 45°C
Storage Temperature	-30°C ~ 70°C
Case Material	PVC
Ethernet Data Rate	10/100Mbps
Ethernet Cable	TIA/EIA 568 Cat.5
Humidity	Up to 90%
Weight	29g
Power Connector	Standard 2.5mm Coaxial DC Power Jack (2.5 x 5.5 x 12mm)
Size	2.12 x 1.67 x 1.0 in (54 x 42.6 x 26 mm)

