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100/1000 Base-T Power-Over-Ethernet (PoE) Splitter/Tap with User Adjustable DC Output - Model: BT-CAT5-R0512

Applications

- Use non-PoE devices with 802.3af switches/midspans
- Splits PoE into separate DC power and data
- Provide power to non-PoE devices
- IP cameras, access points
- Deliver DC power to locations where there are no power lines or outlets



RoHS Compliant

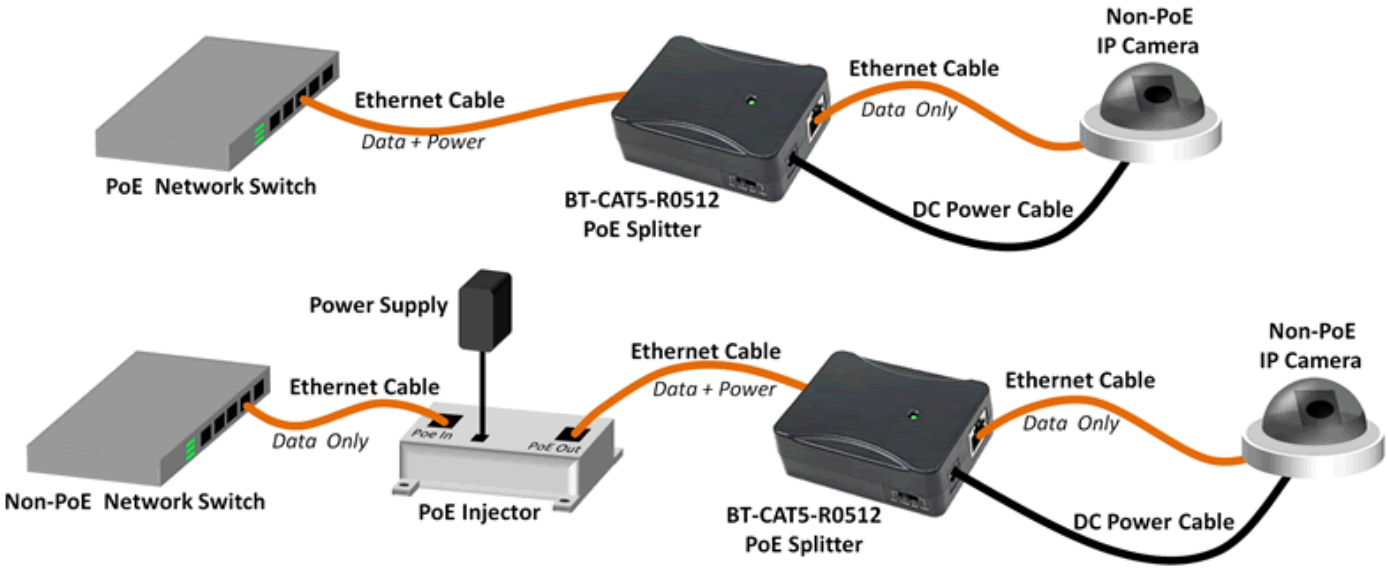
Features

- User adjustable output voltage – 5V/7.5V/9V/12V DC
- Auto-detects PoE equipment
- Complies with IEEE 802.3af Power over Ethernet
- 10/100/1000 Mbps Base-T data rates
- Provides Over Thermal (OTP), Over Current (OCP) and Over Voltage (OVP) protection

Description

The BT-CAT5-R0512 Power-Over-Ethernet (PoE) Splitter/Tap delivers both data and DC power to non-PoE equipped Ethernet devices using a single CAT5 cable. This eliminates the need to place an Ethernet enabled device such as a wireless access point or IP camera near a power outlet, giving you more freedom in placement. The Splitter/Tap is typically installed near the Ethernet device itself, while the injector is installed near the hub/switch.

With the BT-CAT5-R0512, both power and data can be transmitted up to 328 feet (100m) using standard Ethernet cabling with virtually no reduction in data throughput. The unit supports both Fast and Gigabit Ethernet speeds.



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Adjustable Output Voltage

This unit taps the injected 48 VDC power from the Ethernet cable and using an on-board regulator reduces the voltage for use by non-PoE devices. The BT-CAT5-R0512 features a user adjustable output voltage selector. It can be set for 5VDC, 7.5VDC, 9VDC or 12VDC allowing it to be used with a wide range on non-PoE devices.



Adjustable DC Output Voltage

To help protect devices from damage, the BT-CAT5-R0512 features Over Thermal (OTP), Over Current (OCP) and Over Voltage (OVP) protection.

802.3af Compliant

The BT-CAT5-R0512 is compliant with 802.3af PoE. The unit is unique in that is works with both 802.3af compliant network switches (PoE Mode A) and Midspan/Injectors (PoE Mode B)

DC Power Cable Kit

Included with the BT-CAT5-R0512 is an 18 inch DC Power Cable Kit. This kit includes both 2.1mm and 2.5mm DC Plugs, in both straight and right angle configurations. This allows the BT-CAT5-R0512 to be used with a wide range of non-PoE devices. Each of the separate DC Plugs is keyed to ensure proper polarity when attached to the cable.



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Specifications

Splitter Specifications

LED Indication	Power
Input Voltage	48V DC, 400mA
Output Voltage (User selectable)	5V DC, 2A 7.5V DC, 1.5A 9V DC, 1.2A 12V DC, 1A
Data Lines	Pins 1 and 2 Pins 3 and 6 Pins 4 and 5 Pins 7 and 8
Power Lines – Mode A	Pins 1 and 2 Pins 3 and 6
Power Lines – Mode B	Pins 4 and 5 Pins 7 and 8
Operating Temperature	0°C – 40°C (32°F – 104°F)
Storage Temperature	-40°C – 70°C (-40°F – 158°F)
Operation Humidity	10%-80% RH
Storage Humidity	5%-90% RH
Dimensions	2.7 x 2.0 x 0.9 in. (70 x 53 x 24mm)
Weight	5.6 oz. (160g)

DC Power Cable Specifications

Length	18 in. (457.2mm)
DC Plugs – 2.1mm to: (Attachments)	2.1mm Straight 2.1mm Right Angle 2.5mm Straight 2.5mm Right Angle

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