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802.3at compatible Gigabit Splitter from PoE to 5v @20 watts

GAT-5v20w



Product Description

This device works with any 802.3at switch, it takes the 44 to 56 volts from the PoE switch, and converts that voltage to 5 volts and removes power from the data - it works with gigabit data speeds. Can also work with an 802.3af switch if the output is used below 13 watts.

Intended for use with Cisco or similar PoE switches – this PoE solution appears like a standard Class 4, 25 watt device. The PoE switch can send either polarity, and only 2 pairs are required for power, 4 pairs for gigabit data, 2 pairs for 10/100.

The output is fully isolated from the input voltage. Grounding is of no concern. The output power is on a DC connector.

Specifications

Data speed	10/100/1000 mb/s
Input Voltage	802.3af / 802.3at / passive 44 to 57 volts at 490 mA max
Output Voltage	5.2 volts +- 2% at 4 amps, 20 watts
Internal power use	400 mw (keep alive 802.3af)
Operating Temperature	0°C - 50°C
Data	Transparent
Isolation	1500 Volts
Size	107 x 50 x 25 mm

802.3at Class 4

PoE Power input Pins 1&2 and 3&6 – either polarity – mode A
4&5 + and 7&8 minus – mode B
Shielded RJ45

Data output Shielded RJ45

Power out DC connector 2.1 mm x 5.5mm female connector

LED status on Female RJ45 Right - Power In active = Green
Left - Power out active = Amber

Related Products

GAT-5v10w - lower power and cost

GAT-USB-C - with auto PD modes

2.1-Lightning - Lightning power connector (no data - power only)

AT-4 - high power injector

AT-Extender - long runs