



GAT-24v25w

802.3at compatible Active PoE to 24v passive Gigabit Splitter

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 24 volts and injects that onto mode B passive with gigabit data speeds. Many Mikrotik devices need this function. 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. In addition to Passive PoE output, a DC connector also supplies the 24v DC.

Specifications

| | |
|-----------------------|--|
| Data speed | 10/100/1000 mb/s |
| Input Voltage | 802.3af / 802.3at / passive 44 to 57 volts at 570 mA max |
| Output Voltage | 24 volts passive PoE 1% at 1.04 amps, 25 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 |

PoE Power input RJ45 Pins 1&2 and 3&6 – either polarity – mode A

4&5 + and 7&8 minus – mode B

PoE Power output RJ45 pins 4&5 plus and 7&8 minus – mode B

DC power output 2.1mm x 5.5mm female connector

Note - inserting a plug into this connector disables power to the RJ45 output

802.3at Class 4

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

Left - Power out active = Amber