

# 802.3at compatible Gigabit Converter from PoE to 12v @25 watts



## GAT-12v25w

### 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 12 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 570 mA max
Output Voltage	12 volts +- 2% at 2.08 amps, 25 watts
Internal power use	900 mw
Operating Temperature	0°C - 50°C
Data Isolation	Transparent 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-12v12w - lower power and cost

AT-4 - high power injector

AT-Extender - long runs

