PoE World
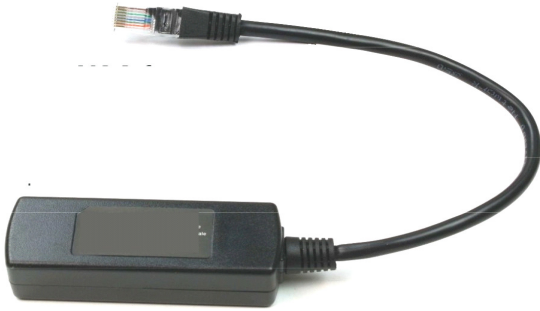World Class
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802.3at compatible Gigabit Converter from PoE to 24v passive

GAF-24v12w

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 ouput 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 ouput is fully isolated from the input voltage. Grounding is of no concern.

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 .5 amps, 12 watts
Internal power use	300 mw (keep alive 802.3af)
Operating Temperature	0°C - 50°C
Data	Transparent
Isolation	1500 Volts
Size	80 x 32 x 25 mm plus 20 cm cable

PoE Power + Data input Pins	1&2 and 3&6 – either polarity – mode A
	4&5 + and 7&8 minus – mode B
	Female Rj45
PoE Power + Data output pins	4&5 plus and 7&8 minus – mode B
	Male Rj45
802.3at	Class 4
LED status on Female RJ45	Right - Power In active = Green
	Left - Power out active = Amber

Related Products

GAF-24v12w - lower power and cost

AT-4 - high power injector

GAT-Extender - long runs