PoE World
World Class
Injectors Switches Splitters
Extenders Testers

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GAT-24v24w-N
for 24 volt devices
from 802.3at Poe
non-isolated

Product Description - GAT-24v24w

This device provides a low cost solution for delivering power to a 24 volt camera or router over 328ft of network cable. This device allows power to be carried on 10/100/1000 networks with either 802.3af , 802.3at or passive injectors and switches with a CAT5e, CAT6 or CAT7 Ethernet network cable.

Intended for use with Cisco or similar PoE switches – this active PoE solution negotiates with the switch to activate power and provide it to the client device. It is a compact and cost effective power solution. The switch supplies 48 or 56 volts DC at the source location.   The splitter extracts the DC voltage from the network cable and reduces the voltage to 24v, and increases the available current by the same factor to power 24v client device via mode B power on the output female RJ45.   Designed for dry indoor applications, the 24v DC output can power 24 watt devices up to 328 from the female output connector.

Typical Devices
- Mikrotik routers, Ubiquiti Nanostation and Unifi
- Non-PoE Access points, door locks and other devices
- Heaters on outdoor PoE cameras

Specifications

Status LED's

RJ45 PoE male Input   802.3at compliant Class 4

Power and data source	RJ 45 male connector, 802.3af or 802.3at
Input Voltage Max	Up to 57 volts
Input Current at 48v	300 ma input delivers . .500 ma out
Data Pins in and out	All 4 pairs for data are preserved
Data speeds	10/100/1000 mbit/s
Power input mode A	1&2 and 3&6 – either polarity
Power input mode B	4&5 (plus) and 7&8 (minus)

RJ45 24v Female Output   Passive PoE 4,5 (plus) 7,8 (minus)

Non Isolated output	Attention – if the PoE switch uses a Class 1 power then the outputs will be 24 or 32 volts above earth
Power and data to load	RJ-45 female, 24v mode B power
DC output connector	Optional 2.1mm x 5.5mm on request
Power Output Mode B	45 + and 78 – non isolated
Output Voltage Max load	24v +- 2% at 1 amp 24 watts
Output Voltage no load	24v
Operating Temperature	0°C ~ 50°C
Size	22 x 22 x 100 mm

Typical device powered
by Passive 24v PoE

PoE Tester

PoE Injectors
4 port
6 port
8 port
1U 12 port
1U 16 port
1U 24 port
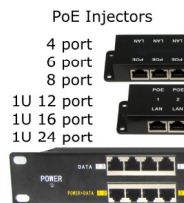
PoE-World PoE injectors

Any PoE Switch