



PoE World

World Class
Injectors Switches Splitters
Extenders Testers

Our Locations and Partners :

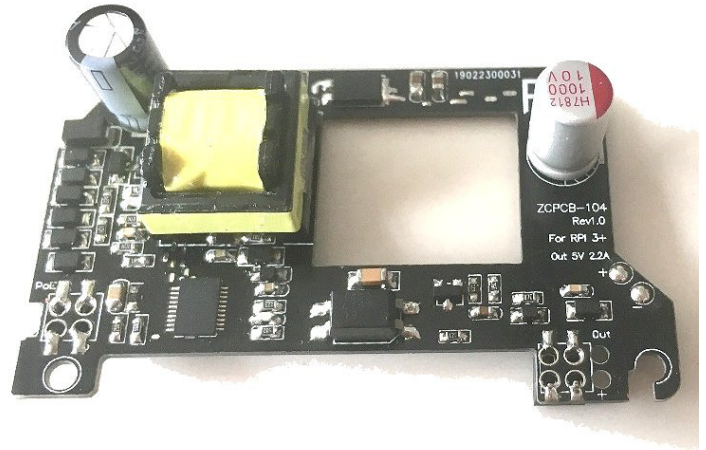
<http://poe-world.com>

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GAF-PiHat

802.3af PoE Hat

isolated 10 watt for Raspberry Pi 3B+ or Raspberry Pi 4



Product Description – GAF-PiHat

This PoE-World device provides an efficient solution for delivering power to a Raspberry Pi 3B+ or 4 over 328ft of network cable. This device allows power to be carried on 10/100/1000 networks with either 802.3af 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 Pi. It is a compact and cost effective power solution. The PoE switch supplies 48 or 56 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 9, and then carried with less loss over the cable. This PoE to 5 volt converter allows you to operate the Pi up to 328ft or 100 meters from a power source.

The form factor is ideal for a Pi case – especially the CanaKit Premium case. The connector pins are available for GPIO and serial use. There is room for a large heat sink, and the output power is completely regulated and stable, with much less noise than the Raspberry Pi hat.

The 10 watts is plenty of power for your applications.

Specifications

| | |
|---------------------------------|---|
| Power and data source input | RJ 45 female connector on Pi 3 B+ or Pi 4 |
| Isolated Data to powered device | All 4 pairs are active for data |
| Power input Pins | 1&2 and 3&6 – either polarity |
| 802.3af (mode A or mode B) | 4&5 + plus, 7&8 - minus |
| 802.3af class | Class 3 - 12.95 watts max |
| Input Voltage Range | From 44 to 57 volts |
| Input Current at 48v | 265 ma input delivers 2 amps out |
| Output Voltage Max load (5v10w) | 5v +- 2% at 2 amps 10 watts |
| Operating Temperature | 0°C ~ 50°C |
| Size | 65 x 39 x 11 mm (height from top of Pi pins) |
| Isolation | 3000 volts isolation from PoE side to DC output |



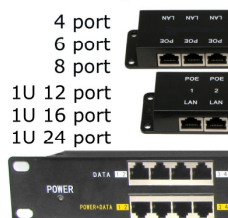
in Canakit case

Other PoE-World products



PoE Tester

PoE Injectors



PoE injectors



Gigabit PoE splitters for DC, USB and USB-C