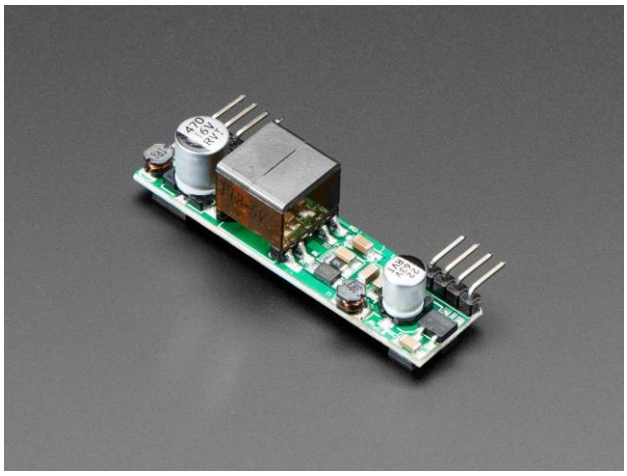
5V 1.8A Isolated Output PoE Module Works with Raspberry Pi 3 B+



PRODUCT ID: 3848

DESCRIPTION

Power over Ethernet (PoE) can make your project wiring a breeze - instead of needing a wire for power and data, you can use one Ethernet cable for both! All you need is this handy PoE module, and access to the center-taps on your Ethernet-capable board. Attach the four input wires, and get regulated 5V 1.8A on the other side. Amazing!

This version of the PoE module has a transformer in the center, that's the big chunky thing, so that there is no direct electrical connection between the 5V power/ground and Ethernet cables.

This module works well with the Raspberry Pi 3 Model B+, which has the 4 wires on a header. As you can see in our photos, you just need some female-female jumper wires to get the Ethernet wires to the module, and then two wires to bring the 5V back to the header. Note that even though a 2.5A power supply is recommended for a Pi 3B+, that's only required if you attach a bunch of accessories (such as a 7" display!) 1.8A will cover a wide range of usages, as the current draw is around 0.7A max without extras.

If you don't have access to those pins, but can power your board or computer with a micro USB cable, check out our 5V microUSB PoE Splitter. It's bigger and more expensive but really easy to use Great for older Raspberry Pi's (not the 3 B+), Feathers, etc)

We also have an non-isolated version of this module, when you don't need electrical separation.

TECHNICAL DETAILS

To use:

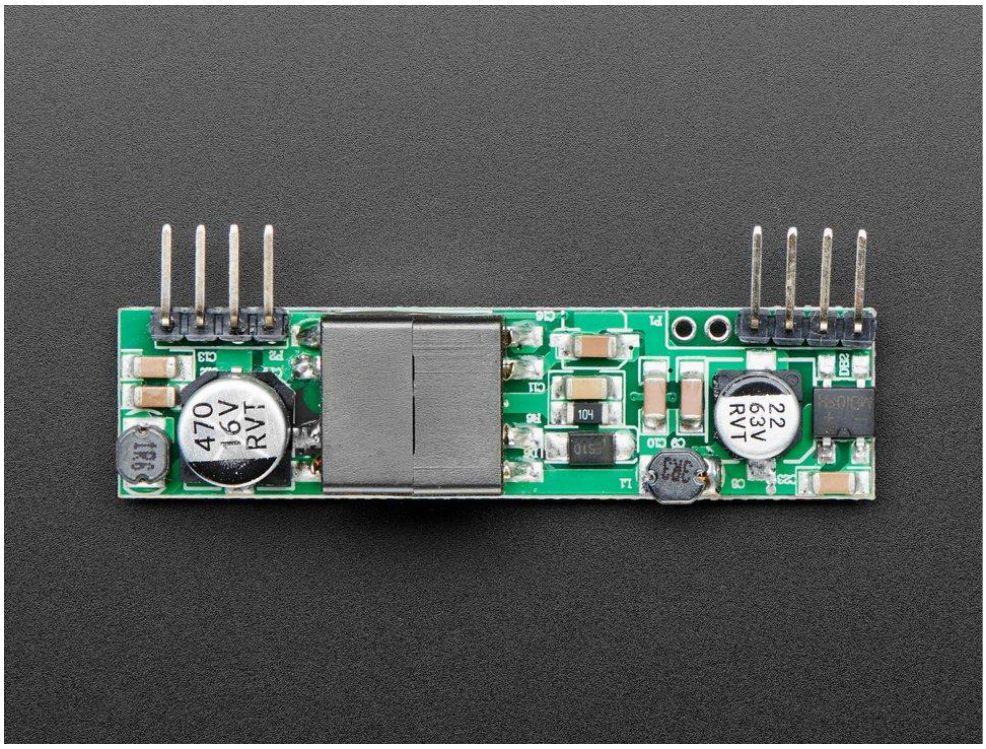
1. Connect pins 1 and 2 to Ethernet wires 4 and 5
2. Connect pins 3 and 4 to Ethernet wires 7 and 8
3. Pin labeled (-) is ground output
4. Pin labeled (+) is 5V out

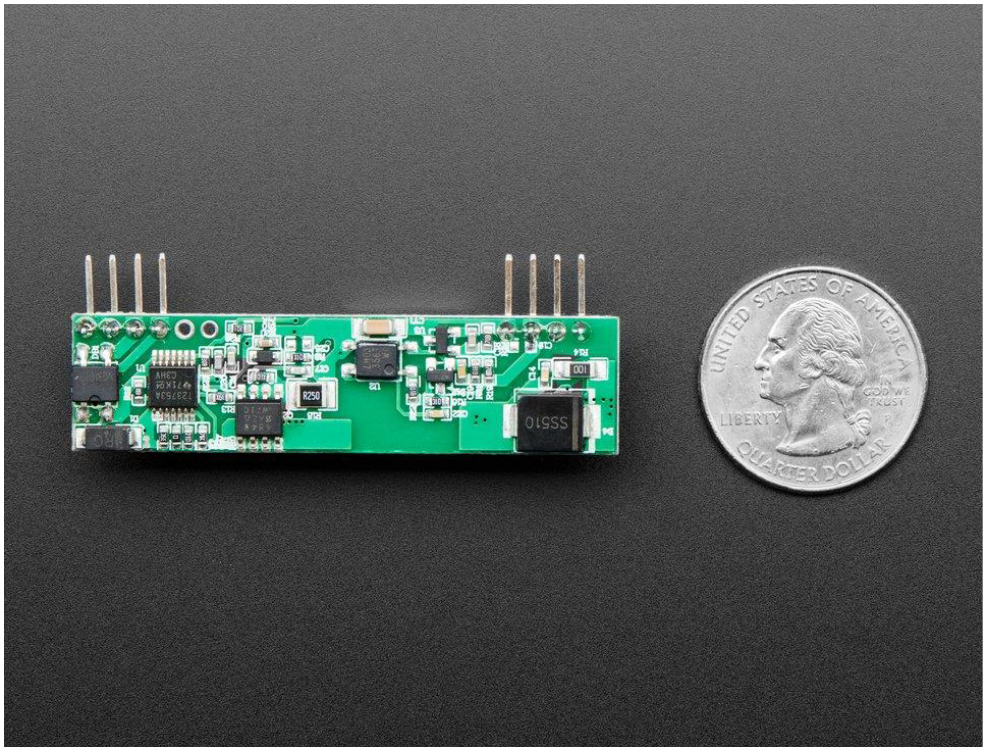
- Input Voltage range: 42 to 55 VDC (48V nominal)
- Output Voltage range: 4.75 to 5.25V (5V nominal)
- Output current: 1.8A nominal
- Efficiency: 80%

Appearance-

- This may come with 4 or 6 pins soldered in.

- Module Datasheet


470
16V
RVT
22
63V
RVT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