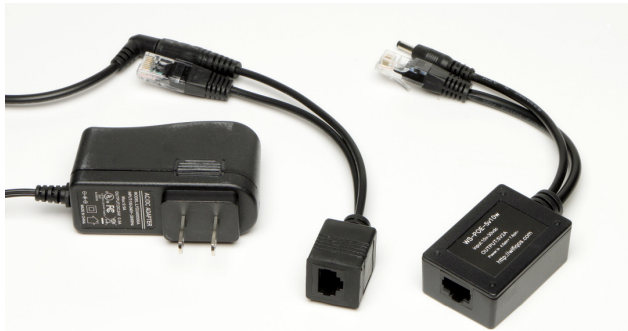




## Multi Port Passive POE injector

<https://shopify.poe-world.com>



# POE-Pi Raspberry Pi Poe complete kit power over Ethernet

### Product Description - POE-Pi

This device provides a low cost solution for delivering power to a Raspberry Pi over 328ft of network cable. This scheme allows power to be carried on 10/100 networks over the spare, unused pairs of a CAT5, CAT5E, CAT6 or CAT7 Ethernet network cable. The source power is the 24v power supply included and the output voltage is 5v. Ethernet Data is available remotely as well.

Sending 5v over distance is impractical. This device delivers the 5v USB power to the Pi effectively with minimal loss. The injector inserts 24 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 5, and then carried with less loss over the spare pairs of the 10BASE-T or 100BASE-T network cable. The splitter extracts the DC voltage from the network cable and reduces the voltage to 5v, and increases the available current by the same factor to power the device. The included USB-Micro fits the Raspberry Pi 3, or the USB-C fits the Pi 4.

### Specifications

|                       |   |
|-----------------------|---|
| Injector device       | RJ45 female connector data+power out<br>2.1mm DC female 24v power input   |
| Splitter device       | RJ45 male Data – to router<br>19mm x 35mm x 50mm<br>1.35mm x 3.5mm male DC 5v output<br>RJ45 female data+power in<br>RJ45 male data to the Pi |
| Network Type          | 10BASE-T, 100BASE-T RJ-45 male  |
| Data Pins             | 1&2 and 3&6 ( female and male RJ45 )  |
| Power Pins            | 4&5 and 7&8 ( female RJ45 )   |
| Input Voltage Max     | 200-240 vac   |
| Output Voltage Max    | 5v +- 3% at 2 amps – 10 watts   |
| Operating Temperature | 0°C ~ 50°C  |

### Output plug options



### Ordering information

PoE-Pi-3 - micro USB adapter included  
PoE-Pi-4 - USB-C adapter included



Single port splitter