

POE-1-HP 120 Watt injector / Splitter pair



Product Description – POE-1-HP

This device provides a low cost solution for delivering power to a 48 volt device with up to 96 watts of power needed over 100 Meters of network cable. This device allows power to be carried on 10/100 networks using passive - always on power on CAT5e, CAT6 or CAT7 Ethernet network cable.

Intended for use with Hughes modems and other high power products, – this passive PoE solution gets the job done. It is a compact and cost effective power solution. A 48v power supply with 2 amps or more supplies 48 or 56 volts DC at the source location. All 4 pairs are used for power – reducing loss in the cable. Use a 48v 120w power supply.

The kit includes two devices

- 1- Injector with female 2.1mm DC connector for 2 amps, RJ45 male for data input and RJ45 female for Power + Data
- 2- Splitter with male 2.1m DC connector, Rj45 male with Data and RJ45 female for power + data;

- Step a) connect splitter 2.1mm Male DC power connector to your equipment
- Step b) connect the splitter data to the Modem or other device
- Step c) use a factory Ethernet cable to connect the RJ45 female of each device together
- Step d) connect the Injector Male 45 to your data switch
- Step e) connect the 48v power supply to the female 2.1mm connector

Specifications – Injector

Power and data source output	RJ 45 female connector
DC input	2.1mm x 5.5mm female connector
Data only connector output	10/100 Ethernet – RJ45 male
Isolated Data to powered device	All 4 pairs are active for data
Power output Pins (Mode AB)	1&2 - and 3&6 + 4&5 + plus, 7&8 - minus
Fuse Protection	1.6 Amps per pair
Input Voltage Max	Up to 57 volts
Operating Temperature	0°C ~ 50°C
Size	24 x 30 x 80 mm with 20 cm cord

Specifications – Splitter

Power and data source input	RJ 45 female connector
DC output	2.1mm x 5.5mm male connector
Data only connector output	10/100 Ethernet – RJ45 male
Power input Pins (Mode AB)	1&2 - and 3&6 + 4&5 + plus, 7&8 - minus
Input Voltage Max	Up to 57 volts
Operating Temperature	0°C ~ 50°C
Size	24 x 30 x 80 mm with 20 cm cord