



## Multi Port Passive POE injector



# WS-POE-5v-kit Camera / 5 volt Poe complete kit with 10 Watts of 5 volt power over Ethernet

### Product Description - WS-POE-5v-10w Kit

This device provides a low cost solution for delivering power to any 5v device 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 any supply from 10v to 28v, and the output voltage is 5v. Ethernet Data is available remotely as well.

Available individually or as a kit as with power supply for 1 to 24 devices, it is a compact and cost effective power solution. 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. Different adapters are available – including USB female, microUSB, and mini – not included.

Unlike simple injector / splitter sets, the combination of the 24v power supply and 5v converter allows you to extend the distance with this product for this application up to 328ft or 100 meters. If used with a 12v injector, the range is 100 ft.

We also offer a kits with up to 24 injectors – so one power supply can feed up to 24 devices. These kits include the Multi Port Passive POE injector and a power supply of either 30, 60, 120 or 240 watts.

### Specifications

Injector device	RJ45 female connector data+power out 2.1mm DC female 24v power input
Splitter device	RJ45 male Data – to router 19mm x 35mm x 50mm 1.35mm x 3.5mm male DC 5v output RJ45 female data+power in RJ45 male data to camera
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	Up to 30 VDC
Output Voltage Max	5v +- 3% at 2 amps – 10 watts
Operating Temperature	0°C ~ 50°C

### DC plug options



8 port injector



Injector connection to router/switch/nvr



4x splitter