



## Multi Port Passive POE injector



# WS-POE-USB

**iPad / Tablet**

**10 Watts of USB  
power over Ethernet**

### Product Description - WS-POE-5v-USB

This device provides a low cost solution for delivering power to a USB 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, but until there is USB to Ethernet option with the iPad – you cannot use data with iPads.

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.

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 Plug	RJ 45 female connector
DC adapters provided	1.35mm x 3.5mm USB female – microUSB optional
Network Type	10BASE-T, 100BASE-T RJ-45 male
Data Pins	1&2 and 3&6
Power Pins	4&5 and 7&8
Input Voltage Max	Up to 30 VDC
Output Voltage Max	5v +- 5% at 2 amps – 10 watts
Operating Temperature	0°C ~ 50°C



Plug options



8, 12, 16 and 24 port injectors



Single port full kit

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