PoE World

World Class PoE Injectors, Splitters, Switches, Extenders

Our Locations and Partners:

PoE-Texas Austin Texas   PoE-India Pune India
PoE-UK   London England   PoE-World Shenzhen China

http://poe-world.com

GAF-12v12w Gigabit splitter for 12 volt cameras etc

Product Description - GAF-12v12w

This device provides a low cost solution for delivering power to a 12 volt camera or routers over 328ft of network cable. This device allows power to be carried on 10/100/1000 networks with either 802.3af or passive injectors and switches with a CAT5e, CAT6 or CAT7 Ethernet network cable.

Intended for use with Cisco or similar PoE switches – this active PoE solution negotiates with the switch to activate power and provide it to the client device. It is a compact and cost effective power solution. The switch supplies 48 or 56 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 4, and then carried with less loss over the 10BASE-T or 100BASE-T network cable. The splitter extracts the DC voltage from the network cable and reduces the voltage to 12v, and increases the available current by the same factor to power the camera on the 2.1 mm x 5.5 mm splitter DC plug.   Unlike simple injector / splitter sets, this combination of a 48v source and 12v converter allows you to extend the distance with this product for this application up to 328ft or 100 meters.

We also offer kits with up to 16 injectors and splitters – so one power supply can feed 4, 8, 12 or 16 cameras. These kits include the Multi Port Passive POE injector and a power supply of either 30 watts, 60 watts or 120 watts.

Step a) connect 2.1mm DC cord to your camera,
Step b) connect RJ45 male to your camera
Step c) use a factory Ethernet cable to connect the RJ45 female to your PoE switch up to 100 mtr distance

Typical Cameras
• Foscam W outdoor series Tenvis, Wansview, Maygion, EasyN, Apexis, EasySF,
• Routers, 12 volt tablet computers
• Non-PoE Access points, door locks and other devices
• Other adapters available for 2.5 mm x 5.5mm devices, 0.7mm, etc

Specifications

Power and data source	RJ 45 female connector
DC output	2.1mm x 5.5mm
Data only connector	10/100/1000 BASE-T RJ-45 male
Data Pins out – male RJ45	All pins active for gigabit speeds
Data + Power input Pins (802.3af mode B)	4&5 (plus) and 7&8 (minus)
Data + Power input Pins (802.3af mode A)	1&2 and 3&6 – either polarity
Input Voltage	44 to 57 volts
Input Current at 48v	300 ma input delivers 1 amp out
Output Voltage Max load (12v12w)	12v +- 2% at 1 amps 12 watts
Output Voltage no load	12v
Operating Temperature	0°C ~ 50°C
Size	22 x 22 x 100 mm

Power non-PoE Cameras

PoE Tester

PoE-World injectors

Any PoE Switch