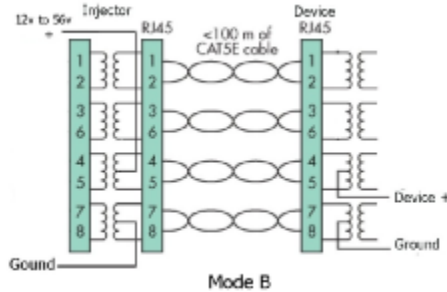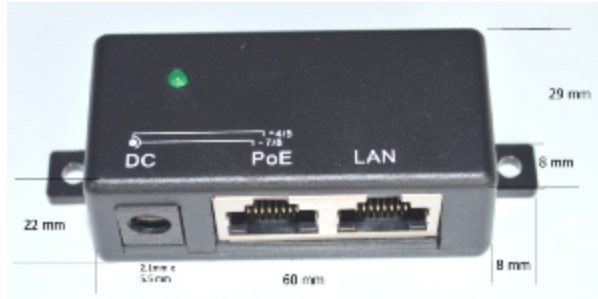# WS-GPOE-1-48v15w Injector for 802.3af devices

10/100/1000 or Gigabit external power supply included
48 volts 15 watts, UL and FCC approved.

- 1 Port Gigabit Ethernet
  - 1 Shielded RJ-45 LAN
  - 1 Shielded RJ-45 LAN+POE
  - 10/100/1000 data rates
- Size: 3 x 1.3 x .8 inches
  (76 mm x 29mm x 22mm)
- wall mount
- 650 ma automatic resettable fuse
- Use with any Ethernet switch
  - PoE or non-PoE switches
- Standard power connector
  - 2.1mm x 5.5mm
- LED status indicator
- Operating Temperature
  - 0 to 65 deg C
- Mode B operation
  - pins 4-5 (+)
  - pins 7-8 (-)
  - reversing option – contact us
- Ideal for IP Cameras, VOIP phone, WiFi Access Points
- Technical support from Austin
- Power is always on
  - no auto-negotiation
  - powers 802.3af / 802.3at devices "passively"

In	LAN	POE
1	Data	Data
2	Data	Data
3	Data	Data
4	Data	Data+Volt
5	Data	Data+Volt
6	Data	Data
7	Data	Data+GND
8	Data	Data+GND

INPUT: 12V-48V DC ⊖—Ⓒ—⊕

power input

Device Spec	Mode A - DC Input RJ45 pins 45+ 78-	Note
802.3at	56 volts	for up to 30 watts per port
802.3af or "12v, PoE"	48 volts	Up to 25 watts per port

Please follow this sequence: .

-        Is the device you will power compatible with 802.3af or 802.3at ?
-        Connect the DC cord from the power brick supplied to the Injector (see table below)
-        Apply AC power (100 to 240v AC) to the power brick
-        10/100 and gigabit rates are supported.
-        For each powered device, connect PoE to the device, and LAN to your switch
-        We can power 802.3at and 802.3af – without negotiation – power is on all the time
-        If the device shows "12v, PoE" on the data sheet – this means that the device uses 12v when powered from a transformer – and 48v when powered via CAT-5.
-        If you need pins 78+ and 45- then you can use our WS-Cisco reversing cable

VOIP phones, cameras and WiFi AP's need from 3 to 15 watts each, with this injector, you can provide remote power up to 328 ft from the power source. If your device data sheet shows "48v 350ma" please understand that this is not the power your device needs, but the max power that is available according to the 802.3af spec. For example, a Polycom VOIP phone is 802.3af compatible, but needs about 4.5 watts to operate. Therefore, one 6 port injector and a 30 watt power supply can power 6 phones at low cost.

Connect the LAN port to your Ethernet switch. Connect the PoE side to your device. The device has a 650 ma current limiter. This device will shut down the socket if power exceeds 1.3 amps for more than a few seconds.   It will restore power if the load is less than 650 ma is needed.

The power supply included is UL, CE and FCC approved and has an input voltage of 100 to 240 volts, 50/60 hertz

AC power cord is included in the USA and Canada

15 watts, 30 watts, 48 watts 60 watts and 120 watt options

Other Products from WiFi-Texas

12 and 16 port rack mount 10/100mb or gigabit

PoE Tester

5v, USB and 12 volt active splitters