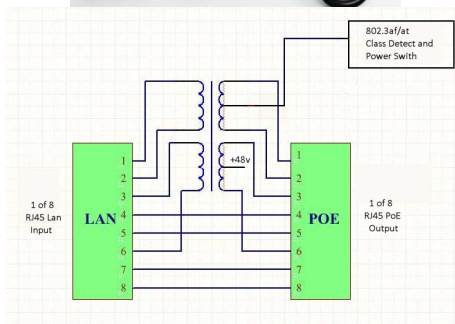


WT-AT-4 802.3af / 802.3at auto negotiating injector for 4 gigabit devices including 56 volt power supply



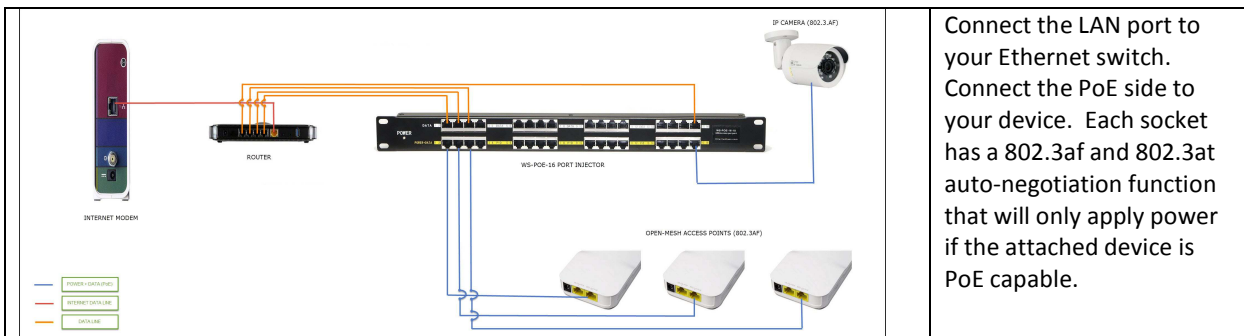
- Add 15 watts or 25 watts per port to any non-PoE switch
- 2 phase 802.3at negotiation for Class 4 devices
- 1 phase 802.3af negotiation for Class 0-3
- Activates full power mode in 802.3at devices
- 4 Port Gigabit Ethernet Injector
 - 4 Shielded RJ-45 LAN
 - 4 Shielded RJ-45 LAN+POE
 - 10/100/1000 data rates
- Size: 160 x 62 x 25 mm plus 2x 10 mm tabs
- wall mount - stackable
- 350 / 550 ma automatic cutoff on each port
- Same voltage to all ports power is equally shared as needed by the devices
- Status LED
 - Master LED at top for DC input
 - one LED per PoE output for PoE Active
- Use with any Ethernet switch
 - PoE or non-PoE switches
- Standard power connector
 - 2.1mm x 5.5mm
- Operating Temperature
 - 0 to 65 deg C
- Mode A operation
 - pins 1-2 (-)
 - pins 3-6 (+)
- Ideal for IP Cameras, VOIP phone, WiFi Access Points
- Technical support from Austin
- 56v power supply included
- Power is off until an 802.3af / 802.3at device is connected
- Important – only Class II power supplies should be used.

power input

Device Spec	Mode A - DC Input RJ45 pins 1,2- b& 3,6+	Note
802.3at or 802.3af	56 volts	for up to 120 watts total or 25 watts on 4 ports or a mix of 802.3af and 802.3at at the same time
802.3af or "12v, PoE"	48 volts	Up to 60watts total, or 15 watts per port

Please follow this sequence:

- Connect the DC cord from the power brick supplied, to the Injector (44v or 56 v)
- Apply AC power (100 to 240v AC) to the power brick
- 10/100 and gigabit rates are supported.
- For each powered device, connect the device to the PoE side to the device, and LAN side to your switch.
- For example, if you have 3 devices you will need 3 LAN to switch jumpers.
- If the device does not support PoE mode A – it will not get power. The hidden LED on each port will display power status.
- We can power 802.3at and 802.3af – your device reports it's power needs.
- If the device shows “12v, PoE” on the data sheet – this means that the device uses 12v when powered from a transformer – and 44 to 56v when powered via CAT-5.
- If you need pins 1,2+ and 3,6- then you can use any standard Ethernet crossover cable.



Connect the LAN port to your Ethernet switch. Connect the PoE side to your device. Each socket has a 802.3af and 802.3at auto-negotiation function that will only apply power if the attached device is PoE capable.

VOIP phones, cameras and WiFi AP's need from 3 to 15 watts each, with this injector, you can provide remote power up to 324 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.

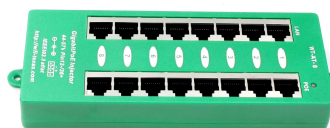
This device will shut down the socket if power exceeds 550ma. It will restore power if the load is less than 550 ma is needed. If no load is detected, it will disable the output voltage. Only use class II isolated power supplies, if your power supply is Class I (earth equals 0 volts) then + 56 volts will be present on pins 3 and 6 at all times, this is not the case with Class II isolated supplies.

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



PoE Tester

See also our 8 port device



8 port version
Also passive devices

Rack mount



Rack mount
up to 24 ports