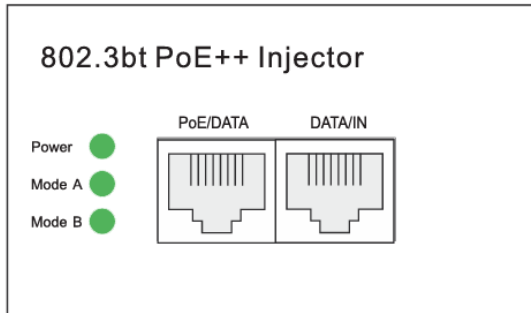


Hardware Description:

Power LED - steady green indicates that AC is connected.

Mode A LED - Power is being supplied on pins 12.36

Mode B LED - Power is being supplied on pins 45.78



POE OUT

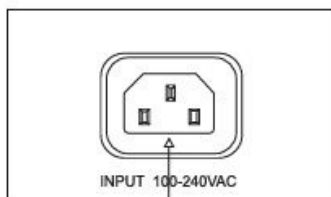
Connect to the PD with UTP cable, to supply PoE power to the device

DATA IN

Connect to the device to transmit data. It is not recommended to connect the port to passive PoE devices, which may damage the injector.

Steps:

1. Use a CAT5e or better UTP cable to connect to the DATA IN port.
2. Connect the PoE-powered device to the POE PORT with CAT5e or better cable
3. Connect the AC cord to the back of the injector. Plug in the cord to an AC outlet.



Connect AC Cable



802.3bt 90W PoE INJECTOR

Powering your network infrastructure with efficiency and precision



USER MANUAL

TP-POE-GD-BT90

www.tyconsystems.com

Tycon® Gigabit Power-over-Ethernet Injector, 802.3bt 90W

Description:

The TP-POE-GD-BT90 is a single port PoE injector which converts 100~240 VAC into low voltage DC PoE output. It is fully IEEE 802.3 af/at/bt compliant and offers a compact and cost-effective solution for remote powering of WAN access points, IP cameras, VoIP phones, LED Lighting and other low density installations.

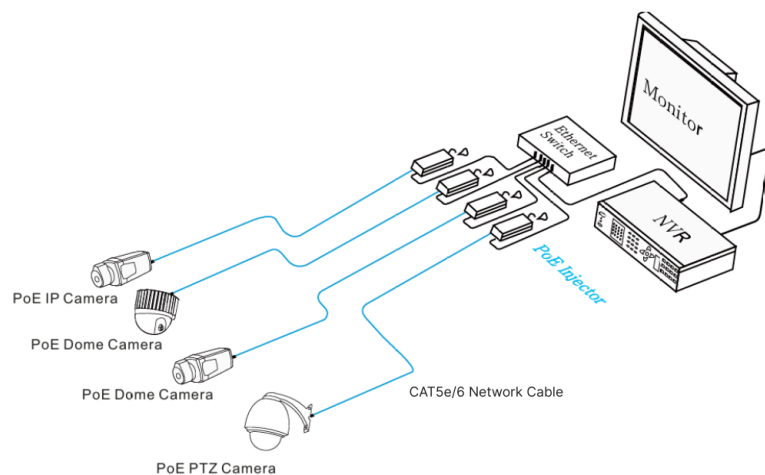
This PoE injector mid-span eliminates the need for external AC power and any associated AC cabling. It provides a compact, safe, affordable and reliable solution for existing Ethernet infrastructure.

Features:

- Full IEEE 802.3 af/at/bt compliant, 10/100/1000 Base-T Compatible
- Up to 90W of power on 4 pairs, Distance up to 100 meters
- Auto-detection of 802.3 af/at/bt compliant PoE equipment
- Auto-ranging AC Input
- Wide Temperature Operation
- Easy plug-and-play installation
- Surge protection

Application:

Use the PoE injector with PD to expand your network where there are no power outlets. Use where you need to power devices such as AP's, IP cameras, IP Phones, LED Lighting, etc.



Specifications:

Item	Description
No. of channels	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	<ul style="list-style-type: none"> • Pinout: 1/2(-) 3/6(+), 4/5(+), 7/8(-) • PoE Voltage: 54 VDC • POE OUT Port Power: 90W Max
Input Power Requirements	AC Input Voltage: 100 ~ 240VAC AC Input Current: 1A AC Frequency: 50/60 Hz
Dimensions	150mm x 75mm x 41mm
Indicators	<ul style="list-style-type: none"> • System Power • Channel PoE Power (Mode A and Mode B)
Connectors	Shielded RJ-45, EIA 568A and 568B
Protection	<ul style="list-style-type: none"> • Over current protection • Over load protection • Over voltage protection • Anti-interference protection
Environmental Conditions	<ul style="list-style-type: none"> • Operating Temperature: -20°C to 60°C • Operating Humidity: 80% Non-condensing • Storage Temperature -30°C to 70°C • Storage Humidity: Max 90%, Non condensing
Regulatory Compliance	<ul style="list-style-type: none"> • IEEE 802.3 af (15.4W) • IEEE 802.3 at (30W) • IEEE 802.3 bt (90W)