



8-Port Gigabit Ethernet PoE Injector, 802.3bt, 250 W



Quick Installation Guide
DN-95118

1. Introduction

Introducing the DN-95118 8-Channel Mid-Span Power over Ethernet (PoE) solution – a cutting-edge, compact, and cost-effective solution designed to revolutionize the way you power and connect your devices. Whether you're managing wireless LAN access points, IP security cameras, VoIP telephones, or other low port density installations, the DN-95118 is engineered to provide a seamless and efficient power solution.

Compliance with the IEEE802.3bt standard ensures that the DN-95118 meets the latest industry requirements for PoE technology, delivering power and data over a single Ethernet cable. This eliminates the need for an external power supply and the associated AC/DC power cabling, streamlining your infrastructure and reducing installation costs.

One of the standout features of the DN-95118 is its ability to remotely power a variety of devices, making it an ideal choice for installations where accessibility is a challenge. By utilizing existing Ethernet infrastructure, this mid-span PoE solution offers a convenient and reliable power source without the complexities of additional wiring.

The compact design of the DN-95118 ensures that it seamlessly integrates into your environment without occupying valuable space. Its affordability, combined with its safety and reliability features, makes it an attractive choice for businesses looking to optimize their power solutions without compromising on performance.

2. Main Features

- **8-Channel Power Distribution:** The DN-95118 supports up to 8 channels, providing a versatile solution for multiple device installations.
- **IEEE802.3bt Compliance:** Ensures adherence to the latest PoE standards, guaranteeing compatibility with a wide range of devices.
- **Compact and Cost-Effective:** The space-saving design and affordability of the DN-95118 make it an efficient choice for businesses of all sizes.
- **Eliminates External Power Supply:** Say goodbye to the hassle of external power supplies and AC/DC cabling, reducing installation complexity and costs.
- **Remote Powering:** Perfect for installations where device accessibility is a challenge, the DN-95118 offers remote power delivery over existing Ethernet infrastructure.

3. Package Content

Open the shipping carton and carefully unpack its contents. Please consult the packing list located in the QIG to make sure all items are present and undamaged.

- 1 x PoE Injector
- 1 x QIG
- 1 x AC power cord
- 6 x Screws
- 2 x Mounting brackets
- 4 x Rubber feet

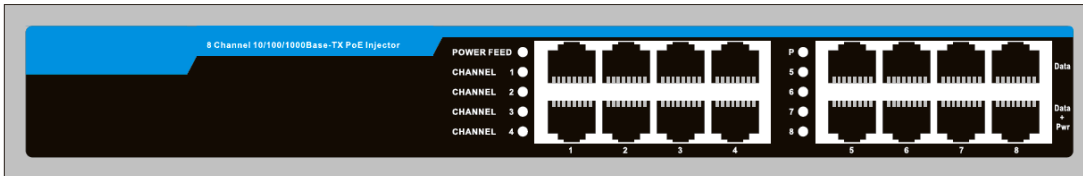
If any item is found missing or damaged, please contact the local reseller for replacement.

4. Technical Features

Interfaces	8 x RJ-45 Connector for Data 8 x RJ-45 Connector for PoE out + Data
LED Indicators	Power, Channel LED
Data Rate	10/100/1000Mbps
Standard	IEEE802.3af, IEEE802.3at, IEEE802.3bt-type4
Power Method	100-240VAC, 50/60Hz
Output Voltage	54VDC
PoE Budget	250W
Transmission Distance	Up to 100 meters
Max. PoE Wattage per Port	90W
Output PoE Pin Assignment	Alternative A: V+ (RJ45 Pin3,6), V- (RJ45 Pin 1,2) Alternative B: V+ (RJ45 Pin4,5), V- (RJ45 Pin 7,8)
Dimensions	275 x 200 x 44 mm
Operating Temperature	0 to 40°C
Storage Temperature	-10 to 70°C
Operating Humidity	5 to 95% Noncondensing

5. Front Panel

The front panel consists of LED indications and network ports.



Power FEED/P LED: The Power LED lights up when the PoE injector is connected to a power source.

Channel LED: The LED lights up when POE injector connected with POE device

6. Rear Panel

The rear panel view of the PoE injector consists of an AC power connector.



Power input: Supports input voltages 100-240VAC, 50/60Hz.

Switch: turn on the PoE injector after inserting the power cord, “I” means to turn on, “O” means closing.

Grounding: use specialized ground lead connect

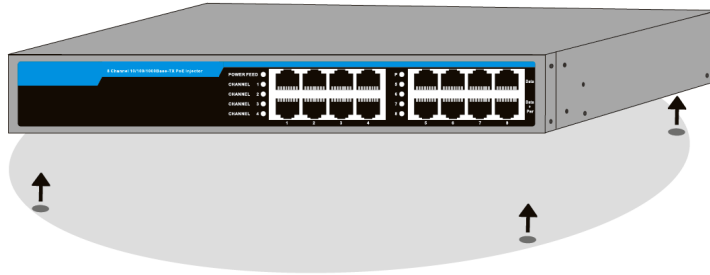
7. Hardware Installation

For safe PoE Injector installation and operation, it is recommended that you:

- Visually inspect the power cord to see that it is secured fully to the AC power connector
- Make sure that there is proper heat dissipation and adequate ventilation around the PoE Injector
- Do not place heavy objects on the PoE Injector

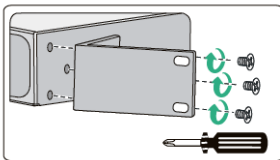
Desktop or Shelf Installation

When installing the PoE Injector on a desktop or shelf, the rubber feet included with the device must be attached on the bottom at each corner of the device's base. Allow enough ventilation space between the device and the objects around it.

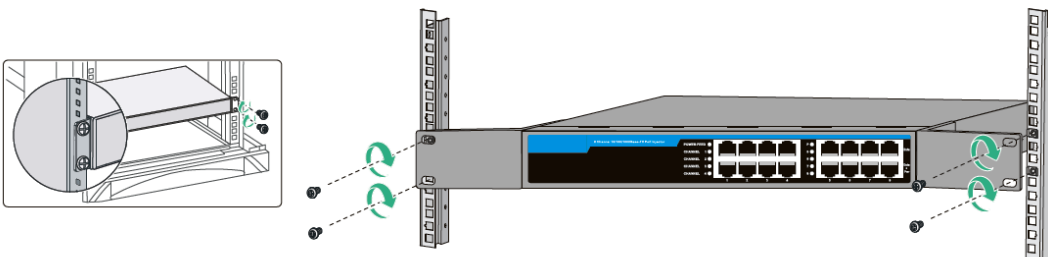


Rack Installation

The PoE Injector can be mounted in an EIA standard size 19-inch rack, which can be placed in a wiring closet with other equipment. To install, attach the mounting brackets to the PoE Injector's side panels (one on each side) and secure them with the screws provided.



Then, use the screws provided with the equipment rack to mount the PoE Injector in the rack.

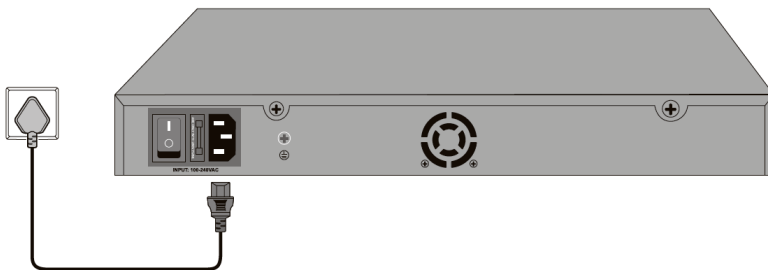


Plugging in the AC Power Cord

You can connect AC power supply cord to PoE Injector back and the other side connect the power outlet. (Power outlet might as well grounding and support over voltage protection)



Warning: Do not turn on the power switch before power cables are connected. Power surge may cause damage to the PoE Injector.



Power failure

As a precaution, the PoE Injector should be unplugged in case of power failure. When power is resumed, plug the PoE Injector back in.

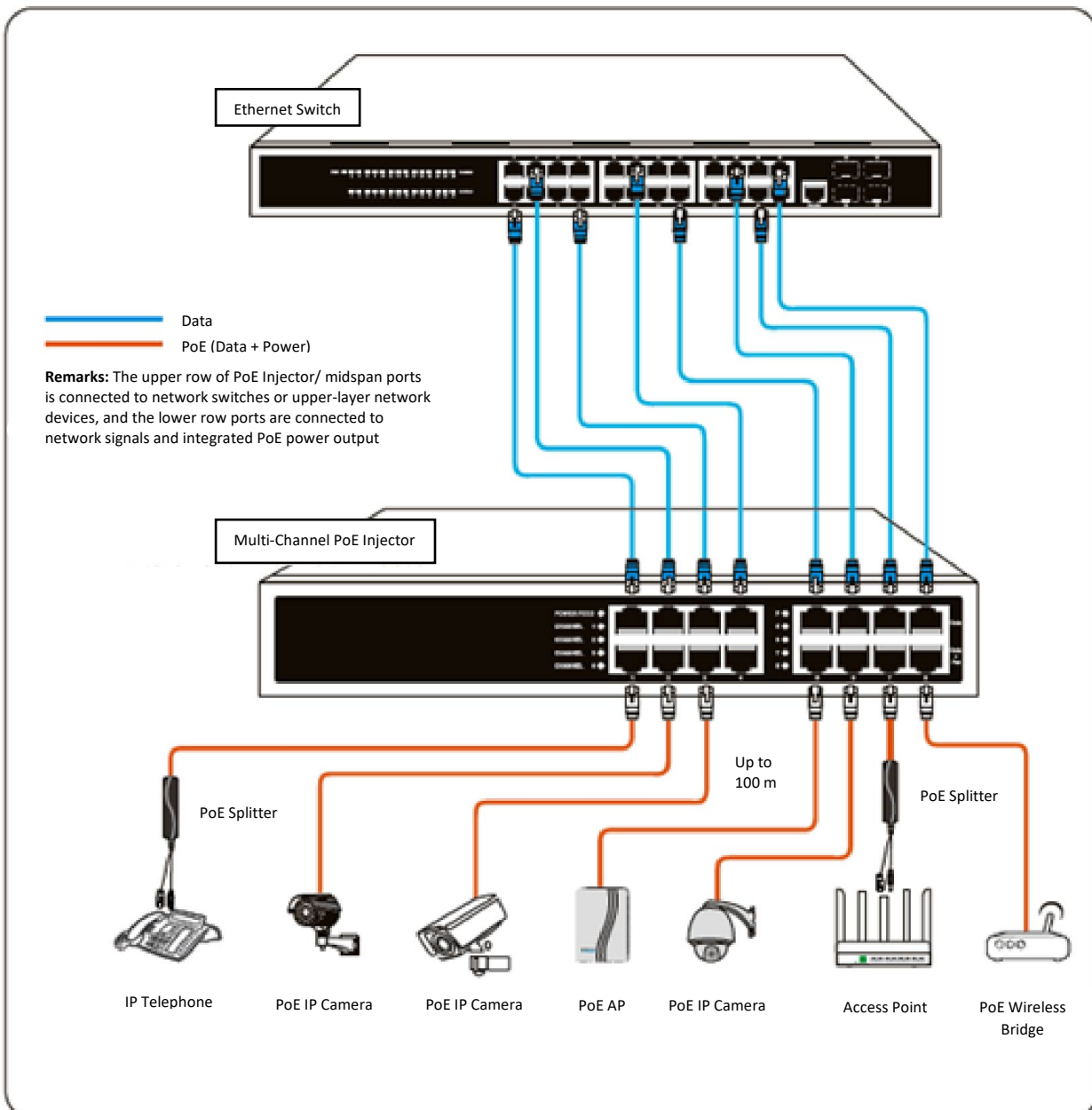
Please be aware of following safety Instructions when installing

- a) Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.
- b) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- c) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

- d) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

- e) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips)."

8. Application



Disclaimer

This is a Class A product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

Hereby ASSMANN Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

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