



8/16/24 - Port Gigabit PoE+ Injector



Manual

DN-95115 • DN-95116 • DN-95117

Introduction

The family of Power over Ethernet PSE (Power Sourcing Equipment) injects power over data-carrying Ethernet cabling. It follows the IEEE802.3af/IEEE 802.3at and is completely compatible with existing Ethernet switches and networked devices.

Features

- 8/16/24 channels Power Sourcing Equipment (PoE Injector)
- Support 8 ports full load, max: 150W (DN-95115)
- Support 16 ports full load, max: 250W (DN-95116)
- Support 24 ports full load, max: 370W (DN-95117)
- IEEE802.3af/IEEE802.3at compliance
- Remote power feeding of Ethernet terminals up to 100 meters
- Auto-detect of POE IEEE802.3af/IEEE 802.3at equipment
- Independent overload and short-circuit protection per channel
- LED indicators power input indication
- Internal AC/DC converter – no need for external power brick
- AC input 100~240VAC, 50/60Hz
- Standard 1U, 19" rack mountable
- Easy plug-and-play installation

Package Contents

- Gigabit PoE injector
- AC power cord
- User's manual
- Four (4) back rubber feet
- Two (2) rack-mount pallet and screws

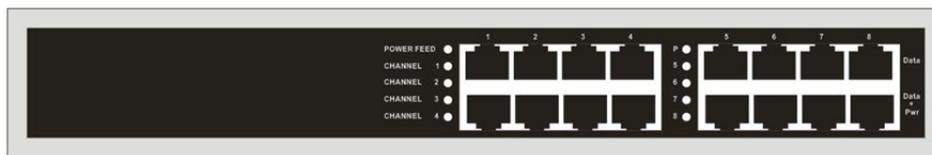
Hardware Description

This Section mainly describes the hardware and gives a physical and functional overview

- **DN-95115 Physical Dimension:**

The physical dimension is: 275mm x 180mm x 44mm (L x W x H)

Front Panel:

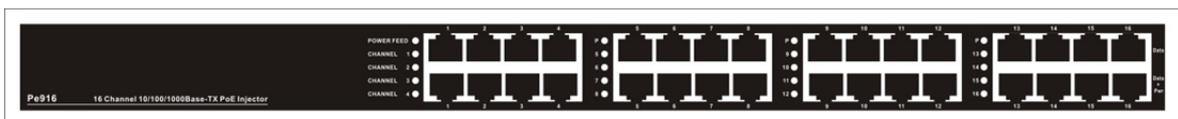


The Front Panel consists of 8 x RJ-45 Ethernet ports (data), 8 x RJ-45 PoE ports (data + power), and 8 x LED port indicators.

- **DN-95116 Physical Dimension:**

The physical dimension is: 440mm x 200mm x 44mm (L x W x H)

Front Panel:

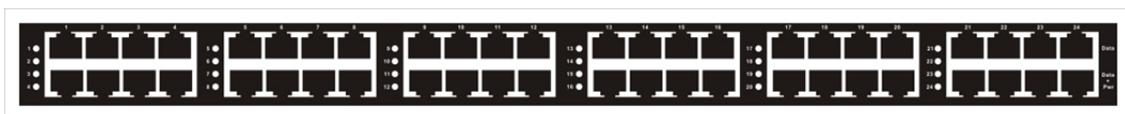


The Front Panel consists of 16 x RJ-45 Ethernet ports (data), 16 x RJ-45 PoE ports (data + power), and 16 x LED port indicators.

- **DN-95117 Physical Dimension:**

The physical dimension is: 440mm x 330mm x 44mm (L x W x H)

Front Panel:



The Front Panel consists of 24 x RJ-45 Ethernet ports (data), 24 x RJ-45 PoE ports (data + power), and 24 x LED port indicators.

LED Indicators:

Ports	On	Power feeding
	Off	Unknown device attached, no power feeding

Rear Panel:

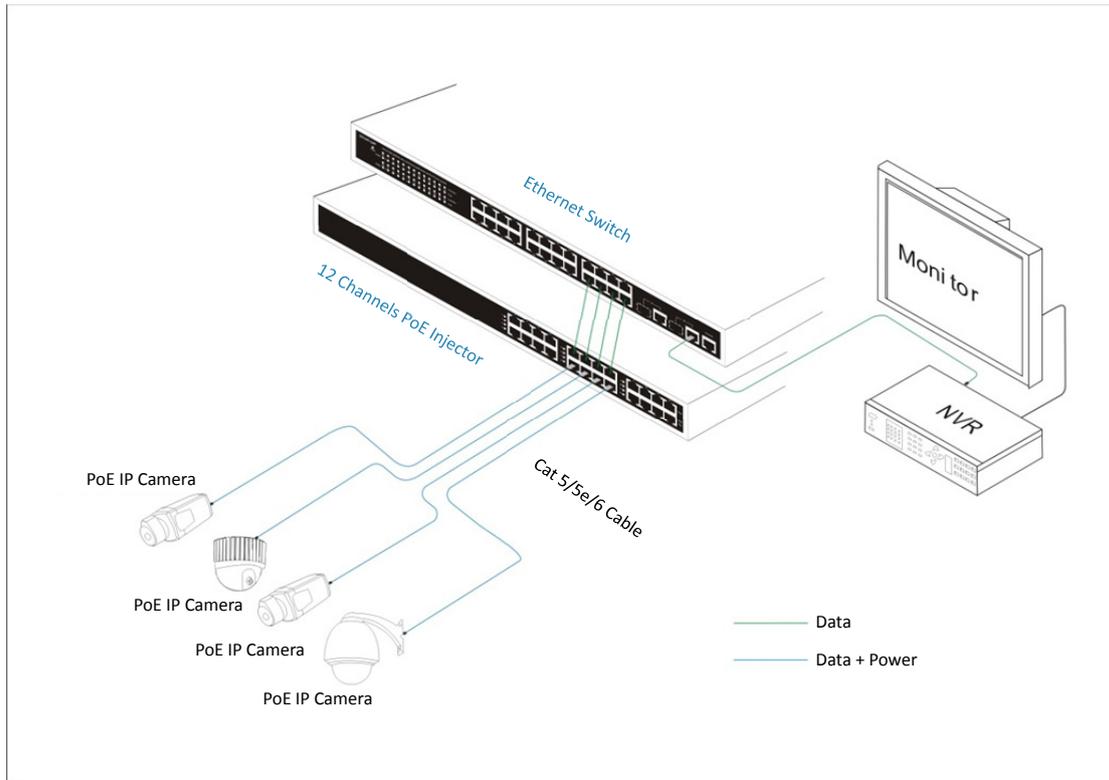


The AC inlet is located at the rear panel. The device will work with AC in the range 100~240VAC, 50/60Hz.

Technical Specification

Item	Description		
Model	DN-95115	DN-95116	DN-95117
No. of Ports	8	16	24
Pass Through Data Rates	10/100/1000 Mbps		
Power over Ethernet Output	Pin Assignment and Polarity: 1/2 (-), 3/6 (+) Output Power Voltage: 48~56Vdc User Port Power: 30W		
Power AC Input Voltage	100 to 240 VAC		
Power AC input Current	2.7A at 110 VAC	3A at 110 VAC	4.5A at 110 VAC
Power AC Frequency	50 to 60 Hz		
Total Available Power	150W	250W	370W
Dimensions L x W x H (mm)	275 x 180 x 44	440 x 200 x 44	440 x 330 x 44
Indicators	User Indicator: Channel Power		
Connectors	Shielded RJ-45, EIA 568A and 568B		
Environmental Conditions	Operating Ambient Temperature: <ul style="list-style-type: none">-10 to 45°C Operating Humidity: <ul style="list-style-type: none">Maximum 90%, Non-condensingStorage Temperature:-20 to 70°C Storage Humidity: <ul style="list-style-type: none">Maximum 95%, Non-condensing		
Reliability	MTBF: 100,000 hrs. @25°C		
Regulatory Compliance	IEEE 802.3af (PoE), IEEE 802.3at (PoE+)		

Application



Hereby ASSMANN Electronic GmbH, declares that this device is in compliance with the requirements of Directive 2014/30/EU (EMC), Directive 2014/35/EU (LVD) and the Directive 2011/65/EU for RoHS compliance. The complete declaration of conformity can be requested by post under the below mentioned manufacturer address.

Note:

If wrongly installed or improperly used in the living area, the device can cause interference in radios and other electronic devices. Appropriate use is when the device, as far as feasible, is operated with shielded connection cables (with network products in addition to category 5 shielded cables and higher). The device has been tested and falls within the limits of class A computing equipment according to the requirements of EN 55032.

Warning:

This device conforms with test category A - it can cause radio interference in the living area; in this case the operator may demand that appropriate measures are implemented and arise for this reason. Declaration of conformity: The device fulfills the EMV requirements according to EN 55032 for ITE and EN 55024 class A. In this way, the fundamental protection requirements of the EMV-2014/30/EU guideline are fulfilled.

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