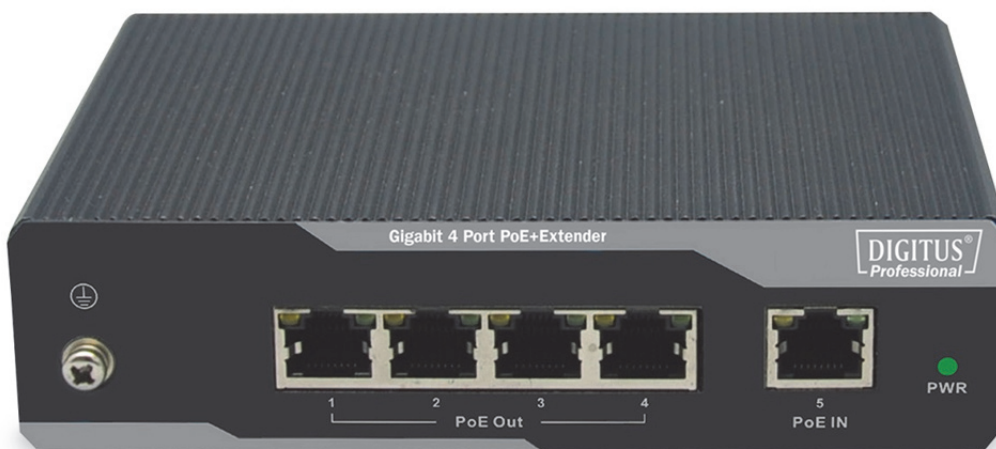




## Gigabit 4-Port PoE+ Repeater



### User Manual DN-95125

#### Description

Ethernet and PoE connections both restrict cable distances to 100 meters between network ports. To overcome this distance limit, network installers can simply connect a PoE Extender in-line with the Cat-5e or Cat-6 cable.

With PoE Extender DN-95125, PDs (such as IP Security Cameras, VoIP telephones, and wireless access points) can be installed at greater distances than 100 meters from one another by connecting PoE Extender.

PoE Extender does not require any additional power supply and the connected PDs is fed by PoE switch or mid-span, which simplifies installation. DN-95125 PoE Extender can support 60W Ultra PoE input and offers 4 PoE ports, which are configured automatically for link speed, duplex, crossover and the full-rate network throughput is main-trained.

## Features

- Compatible with IEEE802.3af, IEEE802.3at, IEEE802.3at-4pair
- One port supply IEEE802.3at-4pair Ultra PoE input
- Four ports supply IEEE802.3at PoE output
- Support PSE Ultra PoE 60W input. Max PoE output budget 50W
- Extends the range of PoE and Ethernet an additional 100 meters
- Forwards both Ethernet data and PoE power to remote device
- No additional power supply is required
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Full-rate network throughout the whole extended distance
- Operating Ambient Temperature: -40 to 75°C
- IP30 aluminum case
- DIN rail and wall-mount
- Easy plug-and-play installation

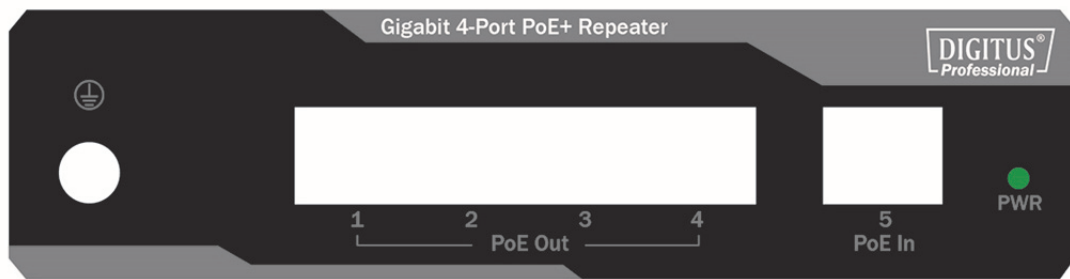
## Package Content

- Industrial Gigabit Power over Ethernet extender x 1
- User's Manual x 1
- DIN Rail Kit x 1 (attached)

## Hardware Description

### Product Outlook

Please connect PSE (Power source equipment) to PoE IN.  
Connect PD (Power Device) to PoE Out.

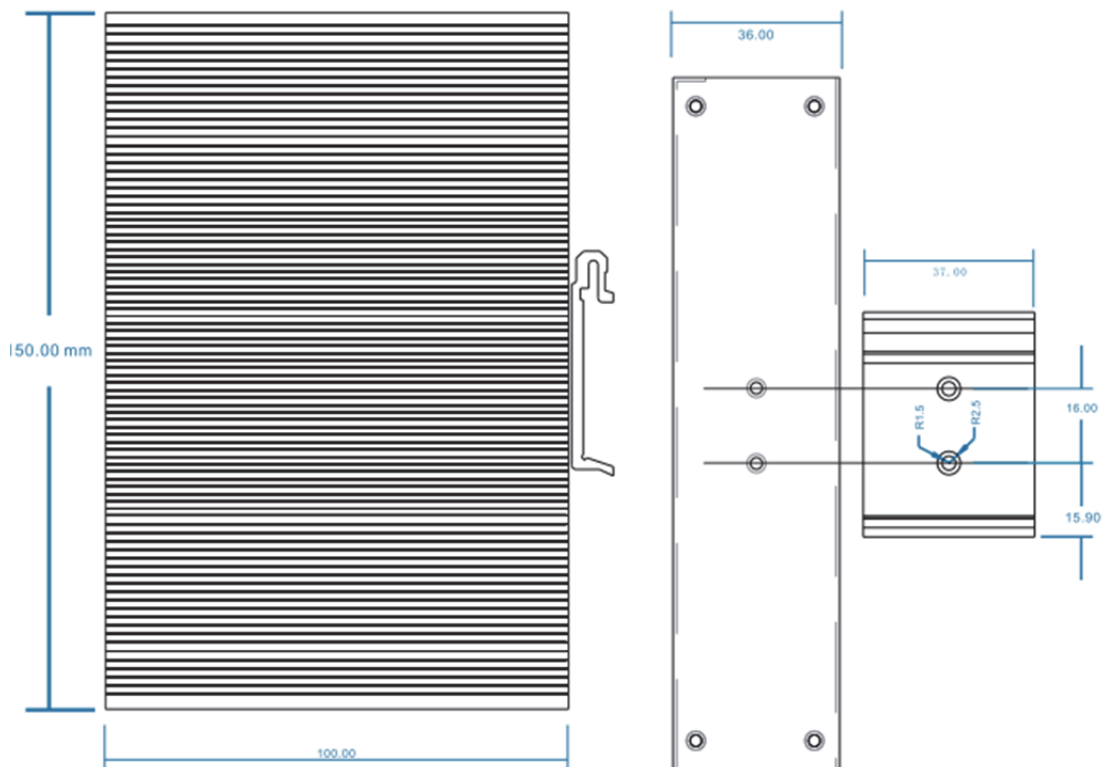


**PoE Output:** Port 1, 2, 3, 4  
**Ultra PoE Input:** Port 5

### LED Indicators

LED	Color	Function
PWR	Green	Indicate the device has power.
PoE	Green	Indicate the port is providing power

### Physical Dimension (150 x 100 x 36 mm)



## Mounting Installation

This section describes how to install the Industrial Equipment and make connections to it. Please read the following topics and perform the procedures in the order being presented.

**Note:**

In the installation steps below, this Manual use 8 Port Industrial Gigabit Switch as the example. However, the steps for Industrial slim type Switch, Industrial Media/Serial Converter and Industrial PoE equipment are similar.

### DIN-Rail Mounting

The DIN-Rail is already screwed on the Industrial Equipment. Please refer to following figures and know how to hang the Industrial Equipment:

**Step 1:** Lightly press the button of DIN-Rail into the track.



Install Industrial Equipment in DIN-Rail mount.

**Step 2:** Check the DIN-Rail is tightly on the track.



### **Remove DIN-Rail Mounting**

**Step 1:** Please refer to following procedures to remove the Industrial Equipment from the track.



Remove Industrial Equipment in DIN-Rail mount.

**Step 2:** Lightly press the button of DIN-Rail for remove it from the track.

## Specifications

Item	Description
PoE Input Port	1 x 10/100/1000Base-T RJ45 port
PoE Output Port	4 x 10/100/1000Base-T RJ45 ports
PoE Input Power	50~57VDC, Up to 60W
PoE Output Power	44~57VDC, Up to 30W per port, total 60W MAX
PoE Power Budget	50W @ IEEE802.3at-4pair Ultra PoE Input 20W @ IEEE802.3at High PoE Input 10W @ IEEE802.3af PoE Input
PoE Input Pin Assignment	1/2 (-), 3/6 (+), 7/8 (-), 4/5 (+)
PoE Output Pin Assignment	1/2 (-), 3/6 (+)
Indicators	LED indicators are located on the RJ45 connector Power indicator: PoE enabled Network indicator: Link/Act
Network cables	Shielded category 5e (or higher)
Forwarding Rate	10BASE-T: 14880pps/port 100BASE-TX: 148800pps/port 1000BASE-TX: 1488000pps/port
Switch Architecture	Store-and-Forward
MAC address table	8K
Switch Fabric	10Gbps
Switch Buffer	1Mbits
Switch Throughput	7.44Mpps
Traffic control	IEEE 802.3x full-duplex flow control.
Enclosure	IP30 aluminum metal case
Mounting	Wall of shelf
Operating Environmental	Operating Ambient Temperature: -40 to 75°C Relative Humidity: Maximum 90%, Non-condensing

<b>Storage Environmental</b>	Storage Temperature:-40 to 85°C Relative Humidity: Maximum 95%, Non-condensing
<b>Regulatory Compliance</b>	IEEE802.3af (PoE) IEEE802.3at (High PoE) IEEE802.3at-4pair (Ultra PoE)

### Power over Ethernet Budget

The following table lists how many PD can be powered

<b>Power Source</b>	<b>PoE Budget</b>	<b>Max Number of PDs Supported</b>	
Ultra PoE PSE (60W)	50W max	Class4 PD@25W	2 units
		Class3 PD@15W	3 units
		Class2 PD@7W	4 units
High PoE PSE (30W)	20W max	Class4 PD@25W	0 units
		Class3 PD@15W	1 units
		Class2 PD@7W	2 units
PoE PSE (15W)	10W max	Class4 PD@25W	0 units
		Class3 PD@15W	0 units
		Class2 PD@7W	1 units

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.

[www.assmann.com](http://www.assmann.com)  
Assmann Electronic GmbH  
Auf dem Schüffel 3  
58513 Lüdenscheid  
Germany

