DIGITUS®

# PoE+ GIGABIT ETHERNET SWITCH 2x SFP

## Manual

DN-95347 (16 port) • DN-95348 (24 port)

## Package Content:

Please open the switch package carefully, confirm the packing box should be as follows:

- 1x Unmanaged Switch
- 1x power cable
- 1x User Manual
- 2x mounting brackets
- 4x mats
- 6x brackets screw

**Note:** Rack type models are built in power, no power adapter, and desktop type inorganic rack mount accessories (mounting brackets / brackets screw).

## Introduction

The DIGITUS® PoE+ Gigabit Ethernet Switch 2x SFP provides a simple way to expand a wired network by transferring power and data over a single Ethernet Cable. It can power more high-powered devices such as wireless Access Points (APs), IP Cameras or IP Phones. Moreover, with innovative energy-efficient technology, the Switch can save up to 75% of the power consumption, making it an eco-friendly solution for your business network.

## Parameter

- The CPU frequency of 500 MHz, 4M cache.
- Works with IEEE 802.3af/at compliant devices, expanding home and office networks
- Innovative energy-efficient technology reduces power consumption by up to 75%
- Plug and play design, no configuration required

## Product Display

### Front panel sketch map

1. DN-95347: 16x 10/100/1000M PoE Port + 2x 1000M SFP, Rackmount, 19-inch steel case


2. DN-95348: 24*10/100/1000M PoEPort+2*1000M SFP, Rackmount, 19-inch steel case


**PWR:** The indicator lights up to indicate that the switch is connected to the power supply

**SYS:** CPU state indicator light after the initialization is completed, per-second flicker once

**Giga/1000M:** The transmission rate of the corresponding port is 1000M

**Link:** Data transmission on the corresponding port

**VLAN:** DN-95347: Ports 1-14 are isolated from each other.
VLAN ports can only access ports 15-18.
DN-95348: Ports 1-22 are isolated from each other.
VLAN ports can only access ports 23-26.

### Back panel sketch map

The 19-inch steel case, back panel sketch map

**Power adapter interface:** The power supply of the switch is inserted into the port, insert additional adapter

**Single phase three wire socket:** The power supply of the switch is inserted into the port, and the input voltage of AC terminal is 100-240V 50/60Hz

**Grounding:** Make the equipment ground

## Product mounting

**Attention**

In order to avoid improper use of equipment damage and personal injury, please note the following:

1. During the installation, the power supply remains closed, while wearing anti-static wrist, and ensure that anti-static wrist and skin good contact, to avoid potential safety Hidden danger;
2. The switch can work normally under the correct power supply. Please confirm that the supply voltage is consistent with the voltage indicated by the switch;
3. Before the switch is switched on, please confirm that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even cause unnecessary damage;
4. In order to avoid the risk of electric shock, switch work should not open the shell. Even in the case of no electricity, do not open on its own;
5. Before cleaning the switch, the switch power plug should be pulled out. Please do not wipe with wet fabric. Please don't use liquid cleaning;
6. Install the equipment rack generally from the bottom. Avoid overload installation;
7. The switch surface to avoid placing other heavy objects, so as to avoid accidents

## Mounting Switch

**Rack Mounting**

1. Check the grounding and stability of the rack.
2. Secure the supplied rack-mounting brackets to each side of the device with supplied screws, as illustrated in the following figure.
3. After the brackets are attached to the device, use suitable screws (not provided) to secure the brackets to the rack, as illustrated in the following figure.

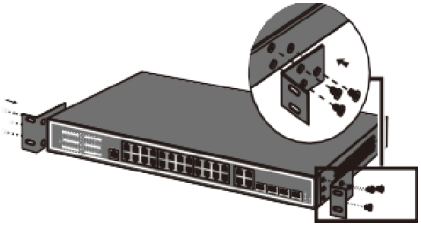


Figure 2-1 Bracket Installation

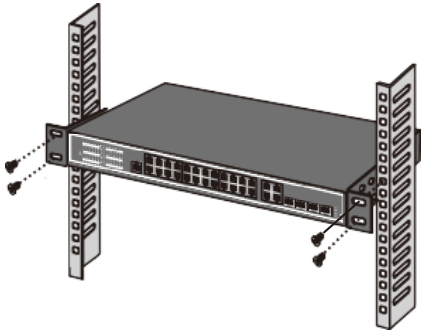


Figure 2-2 Rack Installation

**Desktop mounting**

To install the device on the desktop, please follow the steps:

1. Set the device on a flat surface strong enough to support the entire weight of the device with all fittings.
2. Remove the adhesive backing papers from the rubber feet.
3. Turnover the device and attach the supplied rubber feet to the recessed areas on the bottom at each corner of the device.

## Connect Port

### Connect Ethernet port

Connect an Ethernet port of the switch to the device by RJ45 cable.

### Connect SFP port

The optical fiber module is grabbed from the side and inserted smoothly along the switch SFP slot until the optical module is in close contact with the switch.

**Note:** To avoid improper operation cause damage to equipment or personal injury, please pay attention to the following matters

- Excessive bending of optical fibers is not allowed, and the radius of curvature should not be less than 10cm.
- Ensure the cleanliness at the end of the fiber.
- Please do not look directly at the optical fiber connector; otherwise it may cause damage to your eyes.

**Remarks:** It is recommended to adopt straight line -568B international standard connection method, as the following figure shows

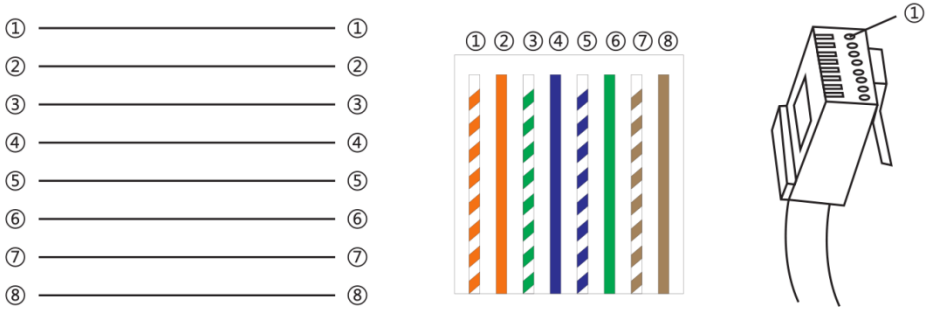
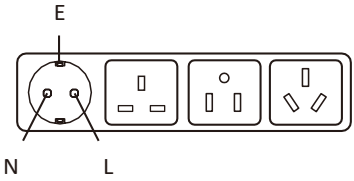



Figure 3-3 Network line making

## Power supply socket specification

Switch power line single-phase three wire power socket, the middle foot to ground, and the left foot on the right foot for the zero line and FireWire, please check before the operation.




## Connect the power cord

1. Check the selection of power supply and the switch marking requirements;
2. Desktop power input DC output terminal into the switch DC port, then connect the power line to AC100~240V, 50~60Hz power;
3. The Rack mount type without power adapter, direct access to AC100~240V, 50~60Hz city electricity

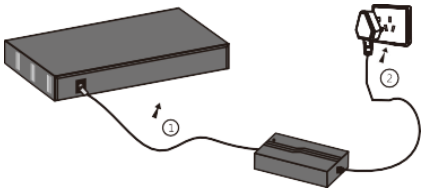


Figure 4-2 Adapter connection

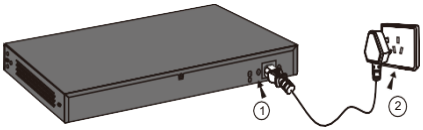


Figure 4-3 Power core connect

## Connecting to the Ground

The grounding cable is important to protect the switch from electrical interference. It is advised to use the grounding cable; if your power is ungrounded which could damage the switch or its functionality

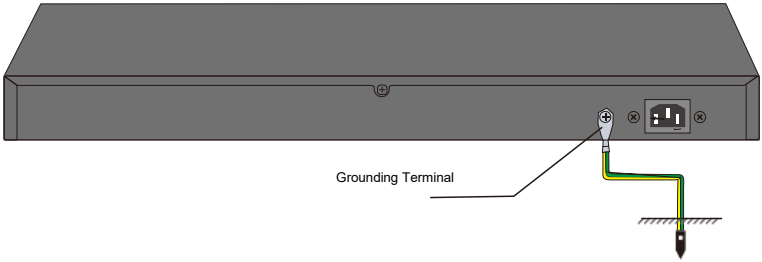



Figure 4-4 Connecting Grounding Terminal

**Note:** The grounding bar and the ground cable are not provided with our product. If needed, please self purchase them.

## Check after installation

Please check the following items after installation:

1. Check whether there is enough space for heat exchange, air circulation is smooth;
2. Check the power supply socket power supply switch is in accordance with the specifications;
3. Check the power supply, switchboard, rack and other equipment have been properly grounded;

## PoE Switch Hardware Parameters

| Type | DN-95347 | DN-95348 |
|---|---|---|
| Port | 16x 10/100/1000 M | 24x 10/100/1000 M |
| SFP | 2x SFP | 2x SFP |
| POE standards | IEEE802.3af/at, single port PoE power 30 W | |
| POE Port | 16 | 24 |
| PoE Budget | 380W | |
| Bandwidth | 36 Gbps | 52 Gbps |
| Packet forwarding | 26.78 Mpps | 38.69 Mpps |
| CPU | 500 Mhz | |
| RAM | 128 M | |
| MAC | 8 K | |
| buffer | 4.1 M | |
| FLASH | 128 M | |
| Transmission | Store and forward | |
| working temperature | 0°C ~ 50°C | |
| Storage temperature | -40°C ~70°C | |
| Operating humidity | 10 % ~ 90 % Non-coagulation | |
| Storage humidity | 5 % ~ 95 % Non-coagulation | |
| Product size | 440 x 290 x 45 mm | 440 x 290 x 45 mm |
| Packing size | 497 x 313 x 97 mm | 497 x 313 x 97 mm |
| Power in | AC 90~265 V 50/60 Hz | |
| Power | 400 W | |

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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