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DIGITUS DN-95343 24 Port Fast Ethernet PoE Switch User Manual

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DIGITUS DN-95343 24 Port Fast Ethernet PoE Switch



Introduction

The DIGITUS® Combo PoE Switch is Gigabit Uplink Unmanaged Switch that provides you with a high-performance, low-cost, easy-to-use, seamless, and standard upgrade to boost your old network to 1000Mbps. Increase the speed of your network server and backbone connections, making a Gigabit connection to a server or uplinking a network necessarily.

Its PoE ports can automatically detect and supply power with those IEEE 802.3af/at compliant Powered Devices (PD). The electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, where you wish to fix devices such as AP, IP Cameras, IP Phones, etc.

Features

- 16 or 24 port 10/100Mbps PoE RJ45 Ports
- 2 x 10/100/1000Mbps Combo Ports
- Complies with IEEE802.3af/at Power over Ethernet
- Supports PoE Power up to 32W for each PoE port
- Auto-detect power device
- Remote power and Data feeding up to 100m
- Flow Control for Full-Duplex operation and back pressure for Half-Duplex Operation
- Support VLAN and CCTV function
- 16K MAC address, automatic address learning, and address aging
- Support Energy-Efficient Ethernet (EEE) function IEEE802.3az
- Support PD Alive function (the switch port is disconnected will automatically connect)

Package Contents

Check the following contents of your package:

- PoE Switch x 1
- Manual x 1
- Power Cord x 1
- Accessories (Mounting Ears x2, Rubber Feet x4, screw x8)

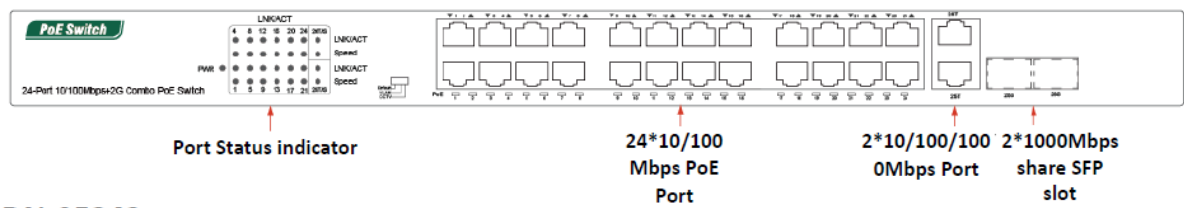
If any part is lost and damaged, please contact your local agent immediately.

Hardware Description

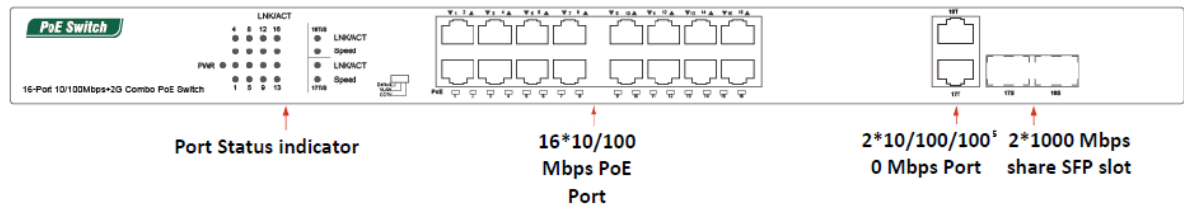
Front Panel

The Front Panel Consists of DIGITUS 10/100M Auto-Negotiation Ethernet RJ45 Ports, 2-Port Gigabit Combo Port. The LED indicators are also shown on the panel.

DN-95343



DN-95342



LED indicator

| LED | Color | Function |
|---------|--------|---|
| PWR | Green | Off: No Power supply Light: Indicates the switch has power |
| LNK/ACT | Green | Off: No device is connected to the corresponding port Light: Indicates the link through that port is successfully established at 10/100/1000Mbps. Blink: Indicates that the Switch is actively sending or receiving data over that port. |
| Speed | Green | Off: Indicates the link through established at 10/100Mbps. Light: Indicates the link through established at 1000Mbps. |
| PoE | Orange | Off: No PoE powered device (PD) connected Light: There is a PoE PD connected to be port, which supplies power successfully. Blink: Indicates port abnormal power supply |

DIP Switch:

The DIP switch is located on the left panel.

Default:

The factory default mode, can normal communication between ports 1~26.

VLAN:

1-24 ports can be isolated from each other but 1-24 ports can connect to 25T/S~26 T/S port after open VLAN to stop broadcast storm to increase the forwarding rate of frame.

CCTV:

Up to 250m, PoE distance allows you to expand your network via ethernet cable but where you want to fix devices such as IP cameras

Note:

After changing the mode, in order to the corresponding configuration take effect. The switch needs to restart manually.

Rear Panel

The rear panel of the DIGITUS Combo PoE Switch indicates an AC inlet power socket, Grounding Column.



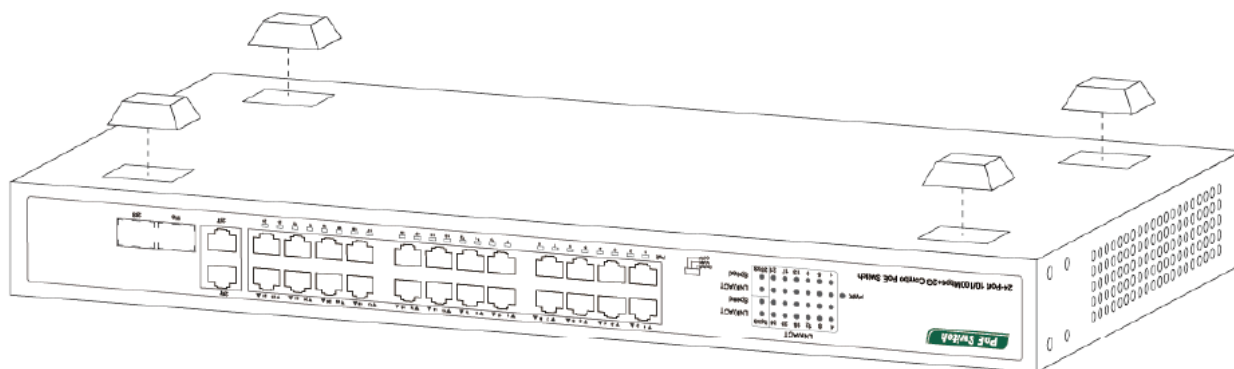
Installation the Switch

This part describes how to install your Ethernet Switch and make connections to it. Please follow the following instructions in avoid incorrect installation causing device damage and security threat.

- Before cleaning the switch, unplug the power plug of the switch first. Do not clean the switch with a wet cloth or liquid.
- Do not place the switch near water or any damp area. Prevent water or moisture from entering the switch chassis.
- Do not place the switch on an unstable case or desk. The switch might be damaged severely in case of a fall.
- Ensure proper ventilation of the equipment room and keep the ventilation vents of the switch free of obstruction.
- Make sure that the operating voltage is the same one labeled on the switch.
- Do not open the chassis while the switch is operating or when electrical hazards are present to avoid electrical shocks.

Desktop Installation

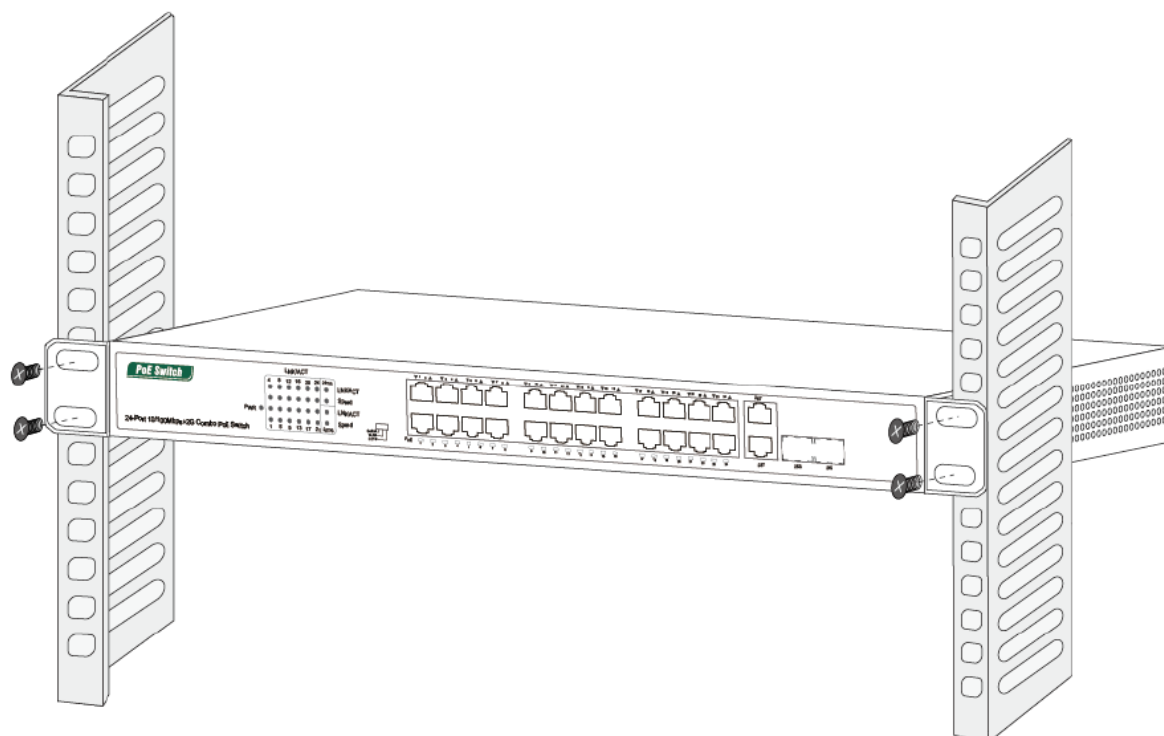
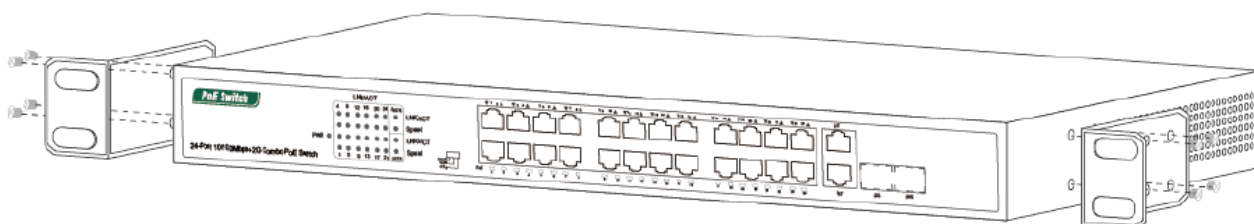
Install the Switch on a desktop, please attach these cushioning rubber feet provided on the bottom at each corner of the Switch in case of external vibration. Allow adequate space for ventilation between the device and the objects around it. The installation diagram is as follows:



(Example: DN-95343 Rev.2)

Rack-mountable Installation

The switch is rack-mountable and can be installed on an EIA-19-inch equipment rack. To do this, first, please install the mounting brackets on the switch's side panels (one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the switch on the 19-inch rack.



(Example: DN-95343 Rev.2)

Turn on the switch

Plug in the negative connector of the provided power cord into the power socket of the device, and the positive connector into a power outlet. After the device is powered on, it begins the Power-On Self-Test. The PWR LED indicator will light on all the time.


Specifications

| Model | DN-95342 Rev.2 | DN-95343 Rev.2 |
|------------------------|--|-----------------------|
| Description | 16FE (PoE) + 2G Combo | 24FE (PoE) + 2G Combo |
| Standard | IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE 802.3af, IEEE802.3at, IEEE802.3az | |
| Network Media (Cable) | 10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m) 1000BASE-T: UTP category 5e cable (≤100m) 1000BASE-X: MMF or SMF SFP module | |
| LED | PWR, PoE, LINK/ACT, Speed | |
| MAC Address Table | 16K, Auto-learning, Auto-aging | |
| Transfer mode | Store-and-Forward | |
| Frame Forward Rate | 10Base-T: 14881pps/Port 100Base-TX: 148810pps/Port 1000Base-T/X: 1488095pps/Port | |
| Switching Capacity | 7.2G | 8.8G |
| Packet forwarding rate | 5.4Mpps | 6.5Mpps |
| Packet buffer | 4M bit | |
| Dimensions (L*W*H) | 440*207*44 mm | |
| Fan | Fan x 2 | |
| Power Input | AC: 100~240V, 50/60Hz | |
| PoE Port | Port 1 to 16 | Port 1 to 24 |
| PoE Power on RJ45 | Mode A 1/2(+),3/6(-) | |
| PoE Power Output | Voltage: 55V DC Power: 32W(Max) | |
| PoE Power budget | 370W | 250W |
| Temperature | Operating Temperature: 0°C ~ 40 °C (32 °F ~104°F) | |

| | |
|----------|---|
| | Storage Temperature: -40 °C ~ 70 °C (-40 °F ~158°F) |
| Humidity | Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing |
| MTBF | >50000 hours |

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 Assmann Electronic GmbH Auf dem Schüffel 3 58513 Lüdenscheid Germany

Documents / Resources

| | |
|---|--|
|  | DIGITUS DN-95343 24 Port Fast Ethernet PoE Switch [pdf] User Manual DN-95343 24 Port Fast Ethernet PoE Switch, DN-95343, 24 Port Fast Ethernet PoE Switch |
|---|--|

References

- [ASSMANN Electronic GmbH | Germany](#)