DIGITUS®

16+2 Port 10/100/1000 Mbps + 2 Gigabit SFP PoE Switch

Quick Installation Guide

DN-95358

1. Introduction

DN-95358 is a 16-port 10/100/1000Mbps PoE + 2G Gigabit RJ45 +2 Gigabit SFP PoE switch. The PoE ports can automatically detect IEEE 802.3af/at-compliant Powered Devices (PDs) and supply them with power. Your network is able to extend power and data transmission via a single cable to locations where there are no power lines or outlets that you could use to install devices such as APs, IP cameras or IP phones and the like. The PoE switch offers a simple, cost-effective and non-blocking wire-speed performance with 11-inch metal form for rack installation in office or department networks.

2. Features

- 16*10/100/1000Mbps PoE RJ45 connections
- 2*10/100/1000Mbps RJ45 connections
- 2*1000Mbps SFP connections
- Standard: IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x
- Corresponds to IEEE802.3af/at Power over Ethernet
- PSE Power on RJ45: Mode A 1/2(+), 3/6(-), Mode B 4/5(+), 7/8(-)
- Supports PoE power up to 32W for each PoE port
- PoE power budget: 185W
- Energy supply: 200W
- Automatic detection of power supply device
- Remote supply of power and data up to 100 m
- Flow control for full duplex operation and back pressure for half duplex operation
- Supports VLAN and CCTV function
- 8K MAC address, automatic address learning and address aging
- Supports energy-efficient Ethernet (EEE) function EEE802.3az
- Supports the PD alive function
- LED: PWR, PoE, LINK/ACT, PoE Max
- Transmission mode: Store and forward
- Switching capacity: 40Gps
- Packet forwarding rate: 29.76Mpps
- Packet buffer: 4M bit

3. Package Contents

- PoE Switch x 1
- User Guide x 1
- Power Cord x 1
- Hanging ears x 2
- Rubber Feet x 4
- Screw x 8

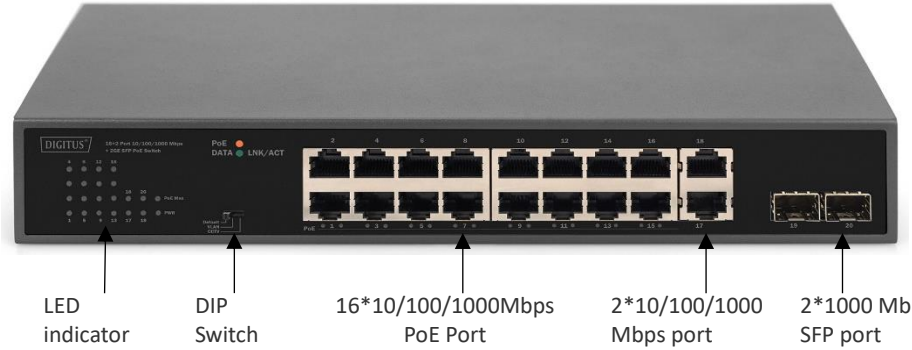
4. Specifications

Model	16+2 Port 10/100/1000 Mbps + 2 Gigabit SFP PoE Switch
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3af, IEEE802.3at
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
MAC Address Table	8K 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	40Gbps
Dimensions (L*W*H)	280*180*44mm
Fan	1*Fan
PoE Power budget	185W
Power Input	AC: 100~240V, 50/60Hz
PoE Port	Port1~16
PoE Power on RJ45	Mode A 1/2(+), 3/6(-) Mode B 4/5(+), 7/8(-)
PoE Power Output	Voltage: 55V DC Power: 32W(Max)
PoE Power budget	185W
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

5. Hardware Description

Front Panel

The Front Panel Consists of 16-Port 10/100/1000Mbps Auto-Negotiation Ethernet RJ45 Ports, 2-Port Gigabit RJ45 Port and 2*1000Mbps SFP port. The LED indicators also on located on the panel.



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. Blink: Indicates that the Switch is actively sending or Receiving data over that port.
PoE	Orange	Off: No PoE powered device (PD) connected Light: There is a PoE PD connected to be port, which supply power successfully. Blink: Indicates port abnormal power supply
Max	Green	Off: PoE power is less than 80% of total power. Light: PoE power above 80%.

DIP Switch: The DIP switch located on the left panel.
Default: the factory default mode, can normal communication between port 1~20.
VLAN: 1-16 port can be isolated each other but 1-16 port can connect to 17~20 port after open VLAN to stop broadcast storm to increase forwarding rate of frame.
CCTV: 1-16 port can be isolated each other but 1-16 port can connect to 17~20 port after open CCTV, 10Mbps Up to 250m PoE distance allows you to expand you network via Ethernet cable but where you want to fix device such as IP Cameras.
Note: After change the mode, there is no need to restart manually to make the

corresponding configuration take effect.

Rear Panel

The rear panel of 16GE(PoE)+2GE+2G SFP PoE Switch indicates an AC inlet power socket, Grounding Column.

Fan

Power Socket

Grounding Column

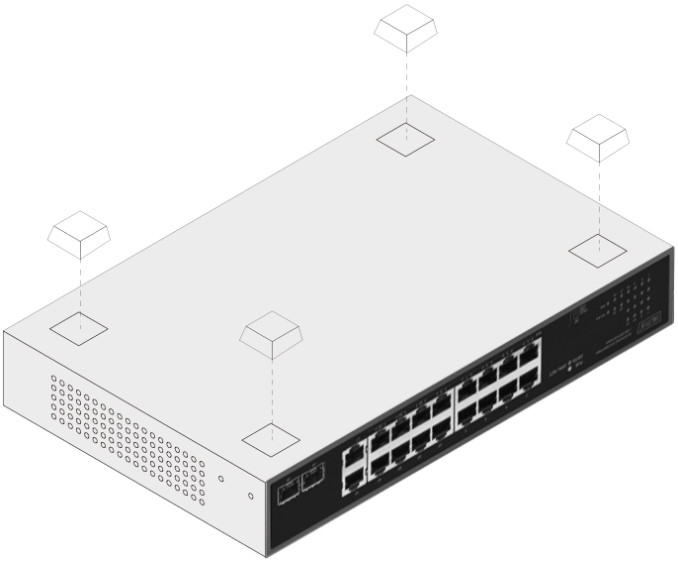
Installation the Switch

This part describes how to install your Ethernet Switch and make connections to it. Please follow the following instructions in avoid of 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 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.

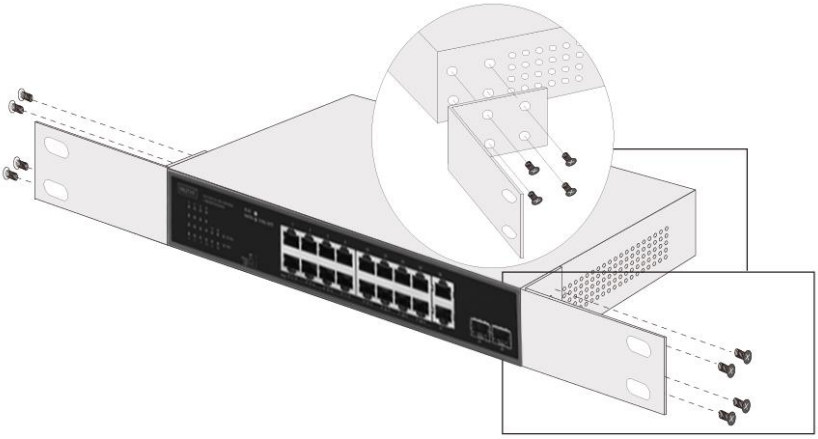
Desktop Installation

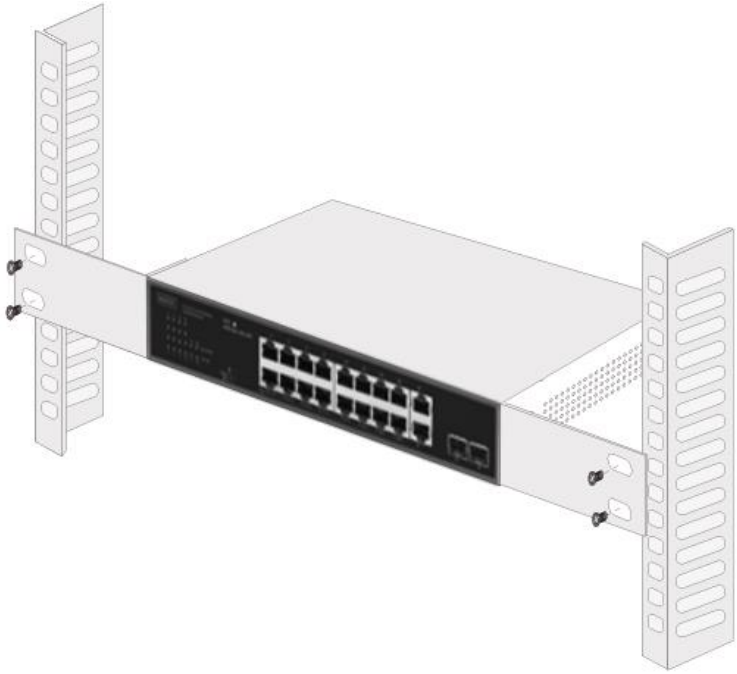
Install the Switch on a desktop, please attach these cushioning rubber feet provided on the bottom at each corner of the Switch in case of the external vibration. Allow adequate space for ventilation between the device and the objects around it. The installation diagram is as follows:



Rack-mountable Installation

The switch is rack-mountable and can be installed on an EIA-11 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 11 inch rack.





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

CE Mark Warning: 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