



4 PORT GIGABIT POE SWITCH, UNMANAGED, 1 UPLINK



Quick Installation Guide

DN-95330-1 Rev.2

1. Introduction

The DIGITUS 5-Port Gigabit Desktop Switch with four Power over Ethernet ports and one additional uplink Port, offers your network significant improvement in terms of performance and efficiency. Thanks to PoE support, you only need a single (network) cable for power and data transfer. This switch makes it much easier to connect devices such as access points, network cameras, and IP telephones, and requires far less cabling than alternatives. It also allows you to extend your network in places where there are no power supply cables or sockets available. The switch does not require any configuration and therefore guarantees quick and seamless integration into the network. Moreover, the switch's fanless design ensures soundless operation, which makes this device the perfect solution for office environments and meeting rooms.

2. Features

1. Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3x standards
2. Support IEEE802.3af, IEEE802.3at standards
3. Supports PoE: One to four ports (802.af, 15.4 Watts) or for two ports (802.3.at, 30 Watts)
4. Automatically detect PD devices
5. PoE power budget: 60 Watts
6. Auto detect power device; will not burned non-standard PoE device or normal PoE switch
7. Supports port power supply prioritization, guarantee the continuous power supply of key nodes
8. Line-speed forwarding, intelligent identification
9. Supports storage – and- forward for Data exchange
10. Support One-Key CCTV and PD-ALIVE functions
11. Ethernet speed: Gigabit
12. MAC Address Table: 2K, Auto-learning, Auto-aging
13. Switching Capacity: 10Gbps
14. Fanless
15. Power Supply: 65W
16. PoE Power on RJ45: Mode A 1/2(+),3/6(-)
17. Jumbo frame: 9K Bytes

3. Package contents

- 1x PoE Switch
- 1x QIG
- 1x Power Cord



4. Specifications

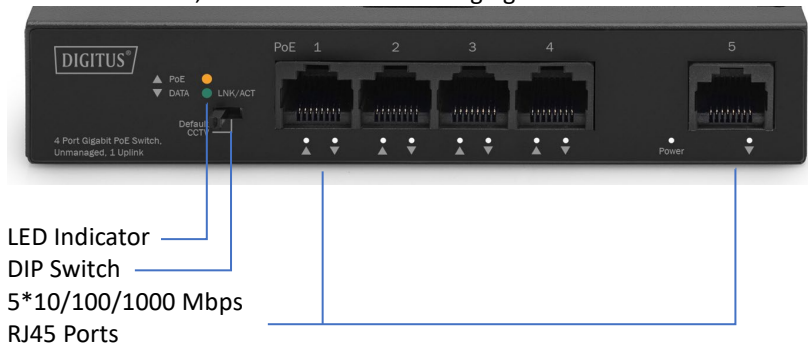
Model	4-Port Gigabit+1GE PoE Switch
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3az, IEEE802.3x, IEEE802.3af, IEEE802.3at
Network - Media(Cable)	10BASE-T: UTP category 3,4,5 cable ($\leq 100m$) 100BASE-TX: UTP category 5, 5e cable ($\leq 100m$) 1000BASE-T: UTP category 5e, 5 cable ($\leq 100m$)
MAC Address Table	2K, Auto-learning, Auto-aging
Jumbo Frame	9K Bytes
Packet Buffer	1Mbit
Transfer Mode	Store-and-Forward
Switching Capacity	10Gbps
Packet Forward Speed	7.44Mpps
PoE Port	Port1~4
PoE Output-port	Max 30W
RJ45 PoE Power Supply	Mode A 1/2(+) 3/6 (-)
PoE Total	60W
Power Supply	65W
Dimensions (L*W*H)	140*68*27.7mm

Fan	Fanless
Input Voltage	AC 100-240V 50/60Hz
Temperature	Operating Temperature: 0°C ~ 40 °C Storage Temperature: -40 °C ~70°C
Humidity	Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing

5. Hardware Description

Front Panel

The front panel consists of 5*10/100/1000Mbps adaptive RJ45 ports and related indicators, as shown in the following figure:



4-Port Gigabit+1GE Port description:

- **10/100/1000Mbps RJ45 Ports**

Supports 10Mbps, 100Mbps and 1000Mbps rate adaptation, and supports auto-MDI /MDIX. 1-4 ports support PoE power supply. PoE ports automatically detect PD devices and supply power to PD devices that comply with IEEE 802.3af/at standards. Each port has a maximum of 30W. Each port has a corresponding indicator, that is, the indicators 1-5 on the panel in the figure above.

- **DIP Switch**

The DIP switch located on the left panel.

Default mode: when CCTV closed the factory default mode can normal communication between port 1~5

CCTV mode: 1-4 port can be isolated each other but 1-4 port can connect to 5-port after open CCTV to stop broadcast storm to increase forwarding rate of frame. The CCTV mode, up to 250m PoE distance allows you to expand you network via Ethernet cable to where there is no power line or outlet but where you want to fix device such as IP Cameras.

Note: after changing the mode, there is no need to restart manually.

- **LED Indicator**

The LED indicators of the Switch are shown in the following table. Users can monitor the work and running status of the Switch conveniently and quickly through the following indicators:

LED	Color	Function
PWR	Green	Off: No Power supply. Light: Indicates the Switch has power.
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 PoE supply.
LNK/ACT	Green	Off: The network is not connected Steady on: A 10/100/1000Mbps network device is connected. Blinking: Data is being transferred

Rear Panel

The rear panel indicates AC inlet power socket. Select different power supplies corresponding to different voltage inputs as follows:

Note: the lightning protection grounding column is located on the left side of the rear panel, please make sure to use the conductor to ground in case of lightning!



Installation the Switch

Precautions: To avoid equipment damage and personal injury, observe the following precautions:

- The Switch room should be dry and ventilated, free from corrosive gases and strong electromagnetic interference.
- The humidity of the Switch equipment room should be lower than 90% and around 25 degrees Celsius. If possible, install corresponding facilities.
- The grounding of the Switch shall comply with the grounding requirements described in this manual, and shall be separately and well grounded.
- The Switch voltage should be stable to prevent abnormal operation of the Switch caused by power supply voltage mutation, fluctuation and other phenomena;
- Keep a proper distance between the Switch and other devices. Do not stack other devices with the Switch.
- The connection cable between the Switch and the distribution frame should be standardized and reasonable, and the distribution frame (box) jumper wire should be concise and clear to prevent the phenomenon of parallel lines and wires;
- To avoid the danger of electric shock, do not open the chassis without authorization; If any fault occurs, contact professional maintenance personnel.

Safety Tips:

- Use a three-hole socket with safe grounding and ensure that the PGND cable of the power socket is properly grounded.
- Ensure sufficient space for heat dissipation and ventilation of the Switch. Do not place heavy objects on the Switch.

6. Installation Environment

Before installation, make sure that the proper working environment is available, including power requirements, adequate space, proximity to other equipment to be connected, and other equipment in place. Please confirm the following installation requirements:

- Ensure the stability of the workbench and good grounding;
- Check whether cables and connectors required for installation are in place (less than 100m).

- Environment requirements: The operating temperature ranges from 0°C to 40°C and the relative humidity ranges from 5% to 90%.

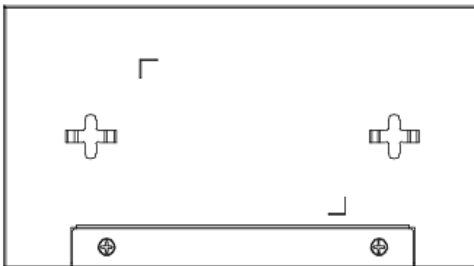
Desktop Installation

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.



Wall-mounted installation

- In the first two fixed screw on the wall as shown in the figure below
- Aim at the two fixed hole switches, and the machine smoothly on the screw
- Provide two screws with a diameter of about m3 and a nut diameter of 5mm



Turn on the switch

The PoE switch can be used with AC power supply. Powering on the switch, it will automatically initialize and its LED indicators will respond as follows:

- Firstly, the Power LED indicator will light up.
- Then, the data LED indicators will flash momentarily for one second, which represents a resetting of the system.

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.

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Assmann Electronic GmbH

Auf dem Schüffel 3

58513 Lüdenscheid

Germany

