



DIGITUS DN-95320-1 Fast Ethernet PoE Switch Installation Guide

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DIGITUS DN-95320-1 Fast Ethernet PoE Switch



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Product Introduction

The DIGITUS DN-95320-1 is a 5-Port 10/100M Desktop PoE Switch, that enables a seamless network connection. It integrates 100 Mbps Fast Ethernet and 10 Mbps Ethernet network capabilities. These PoE ports can automatically detect IEEE 802.3af/at-compliant Powered Devices (PDs) and supply them with power. The operating mode can be changed using the slide switch on the front side.

When switching into extend mode, Ports 2-5 can be switched into long range mode at up to 250 meters with 10 Mbps. The DN-95320-1 is easy to install and to use. It does not require any configuration or installation. With its desktop design, outstanding performance and quality, the 5-Port 10/100 Desktop PoE Switch is an excellent choice for extending video monitoring or WLAN access points.

Features

- PoE support: Port 1-4 (802.3 af/at)
- PoE total output: 60 watts
- 4 RJ45 PoE Ports
- An RJ45 port can also be used as an uplink port
- External power supply, sophisticated design, suitable for desktop installation
- LED displays: PoE, link, activity
- Supports data transfer of up to 250 m at a rate of 10 Mbps.
- Automatically detects PoE devices on connection, devices that are not PoE-capable can also be used.

Package Contents

Before installing the Switch, make sure that the following the “packing list” listed OK. If any part is lost and damaged, please contact your local agent immediately. In addition, make sure that you have the tools install switches and cables by your hands.

- 1 x 5-Port 10/100Mbps Ethernet Unmanaged PoE Switch (4-Port PoE).
- 1 x Installation Component
- 1 x DC Power Adapter
- 1 x Quick Installation Guide



Hardware Specifications

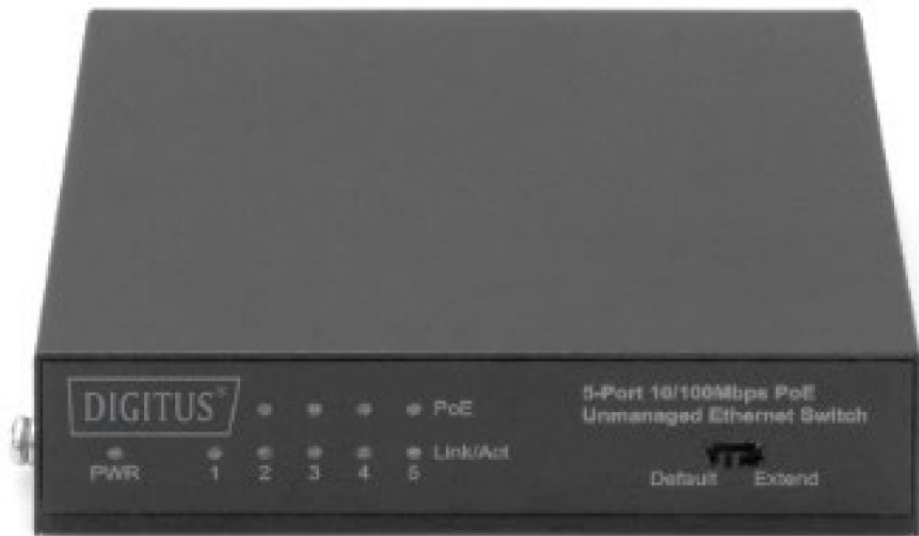
Standards		IEEE802.3i, IEEE802.3u, IEEE802.3x, IEEE802.3az, IEEE802.3at, IEEE802.3af
Interface		5 x 10/100Mbps Auto-Negotiation ports
Mode switch-		<ul style="list-style-type: none"> • Default mode:1-5 port speed rate 100 Mbps, communicate with each other • Extend mode:1port speed rate 100Mbps,2-5 PoE port rate of 10 Mbps, the farthest distance is 250m, communicate with each other
Network Media		10Base-T: UTP 5e and above cable (maximum 250m) 100Base-Tx: UTP category 5, 5e cable (maximum 100m)
Transfer Method		Store-and-Forward
MAC Address Table		1K
Switching Capacity		1Gbps
Packet Forwarding Rate		0.744 Mpps
PoE Ports(RJ45)		4x PoE ports compliant with 802.3at/aft
Power Pin Assignment		4/5(+), 7/8(-)
PoE Budget		60W
LED indicators	Per Port	Link/Act: Green PoE: Orange
	Per Device	Power: Green
Power Supply		DC 53.5V,1.2A External Power
Power Consumption		Maximum (PoE on): 66.5W (220V/50Hz)

Dimensions (W x D x H)	89.3*81.7*21.3mm
Environment	<ul style="list-style-type: none"> • Operating Temperature: 0°C – 45°C • Storage Temperature: -40°C – 70°C • Operating Humidity: 10%~90% RH non-condensing • Storage humidity: 5%~90% RH non-condensing

External Component Description

- **Front Panel**

The front panel of the Switch consists of one power LED indicator, five Link/Act LED indicators, four PoE LED indicators and one slide switch



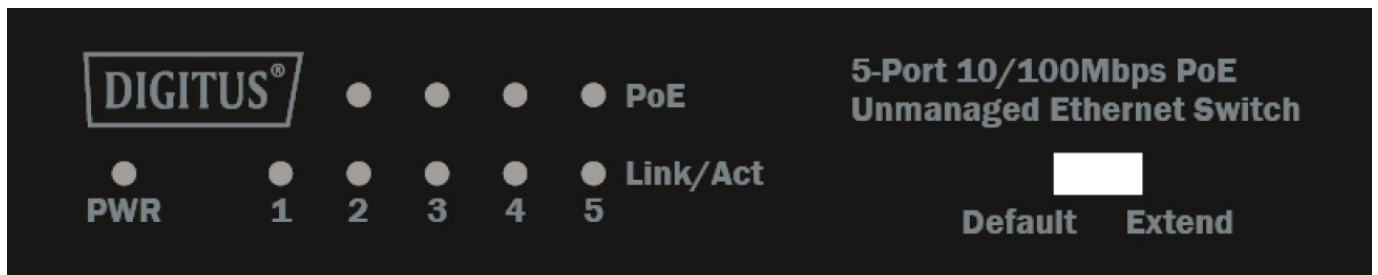
- **Default/Extend mode switch:**

It can through the front panel of the slide switch to switch working mode. When switch to Extend mode, 2-5 port rate negotiation into 10 Mbps, Data transmission and power supply can reach as far as 250 meters.

You can with LED indicator quickly judge the Switch work, help diagnose problems in the Switch or the connected devices. LED indicator as shown below:

- **LED indicators:**

The LED Indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the Switch, connection or attached devices.



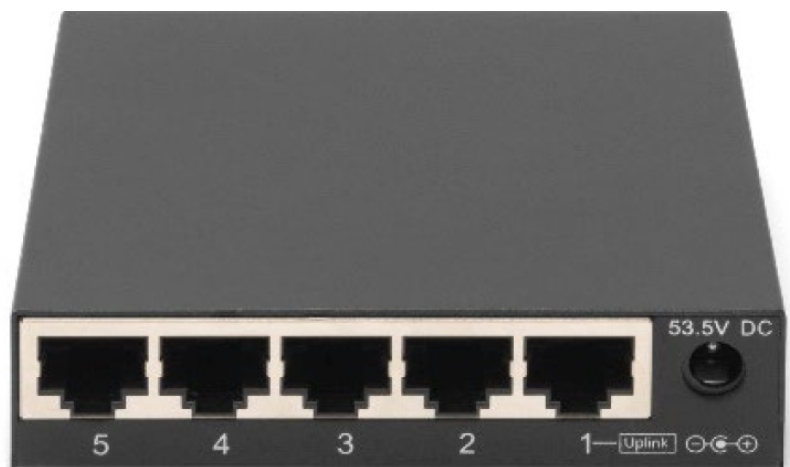
The following chart shows the LED indicators of the Switch along with explanation of each indicator.

LED Indicator	Faceplate Marker	Status	Indication
Power Indicator	PWR	Off	Power Off
		Solid green	Power On
10/100 BASE-T adaptive Ethernet port indicators (1-5)	Link/Act	Off	The port is NOT connected.
		Solid green	The port is connected, but no data is transmitting or receiving.
		Blinking	The port is transmitting or receiving data.

PoE status indicators (2-5)	PoE	Off	No PD is connected to the corresponding port , or there is a breakdown.
		Solid orange	A Powered Device is connected to the port, which supply power successfully.
		Blinking	The PoE power current may be overloaded

• Rear Panel

The rear panel of the Switch consists of 5 x 10/100Mbps RJ-45 ports and a power connector.



◦ 10/100Mbps RJ-45 ports (1~5):

Designed to connect to the device with a bandwidth of 10Mbps or 100Mbps. Each has a corresponding 10/100Mbps LED, port2~port5 support PoE power supply function, each has a corresponding PoE LED.

◦ UP-link port:

Up-link port as an automatic flip cascade port, can be used with the other 4 RJ-45 ports, the port corresponds to the Link/Act indicator.

◦ Power Connector:

Power is supplied through an external DC power adapter. It supports 53.5V DC.

Installing and Connecting the Switch

This part describes how to install your PoE Ethernet Switch and make connections to it. Please read the following topics and perform the procedures in the order being presented.

Installation

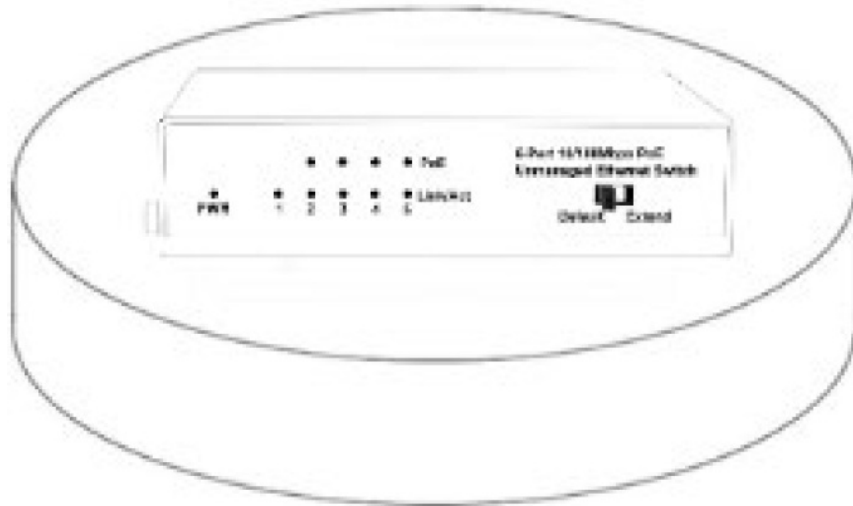
Please follow the following instructions in avoid of incorrect installation causing device damage and security threat.

- Put the Switch on stable place or desktop in case of falling damage.
- Make sure the Switch works in the proper DC input and matches the voltage labeled on the Switch.

- To keep the Switch free from lightning, do not open the Switch's shell even in power failure.
- Make sure that there is proper heat dissipation from and adequate ventilation around the Switch.
- Make sure the cabinet to enough back up the weight of the Switch and its accessories.

Desktop Installation

When installing 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.



Power on the Switch

The Switch connected an external power adapter power 53.5V/1.2A supply, make sure you use the proper power supply.

Connect Computer (NIC) to the Switch

Please insert the NIC into the computer, after installing network card driver, please connect one end of the twisted pair to RJ-45 jack of your computer, the other end will be connected to any RJ-45 port of the Switch, the distance between Switch and computer is around 100 meters. Once the connection is OK and the devices are power on normally, the LINK/ACT status indicator lights corresponding ports of the Switch.

Switch connection to the PD



2~5 port of the Switch have PoE power supply function, the maximum output power of single port up to 30W, it can make PD devices, such as internet phone, network camera, wireless access point work. You only need to connect the Switch PoE port directly connected to the PD port by network cable.

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Documents / Resources

<div><div></div><div><p>Fast Ethernet PoE Switch 4-port PoE + 2-port uplink, 60W PoE Budget</p></div><div></div><div><p>Quick Installation Guide DN-95320-1</p></div></div>	<p>DIGITUS DN-95320-1 Fast Ethernet PoE Switch [pdf] Installation Guide DN-95320-1, Fast Ethernet PoE Switch, DN-95320-1 Fast Ethernet PoE Switch</p>
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References

- [A ASSMANN Electronic GmbH | Germany](#)