DIGITUS DN-80067 Gigabit Ethernet Network Switch User Guide

**8-Port Gigabit + 2 Gigabit SFP Ethernet,
Unmanaged Switch**

**Quick Installation Guide
DN-80067**

Exemption Statement

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Before you install and use this product, please read this manual carefully for full exploiting the functions of this product.

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Product Introduction

The Switch is 8 ports 10/100/1000Mbps + 2 ports 100/1000Mbps SFP Slots Unmanaged Ethernet Switch. This switch is a design of high integration level, exquisite, portable, easy to operate, which is suitable for the small and medium office and home network. The switch provide you with a simple, economic, standard and high-performance of network application plan, it is ideal choice to promote the department and working group performance. It provide simple and understood LED indicator light on the front panel, so that you can quickly judge the working state of the switch, and help to diagnose the network failure.

Package Content

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 8-Port Gigabit + 2 Gigabit SFP Ethernet, Unmanaged Switch
- 1 x Power supply
- 1 x Quick Start Guide

Features

- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3x, IEEE802.3ab standards
- Support ports Auto MDI/MDIX
- 4K entry MAC address table of the switch with auto-learning and auto-aging
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- Support packet length 9216 bytes jumbo frame packet forwarding at wire speed
- 8 x 10/100/1000Mbps Auto MDI/MDI-X Ethernet port Two 1000Mbps SFP Slots
- LED indicators for monitoring Link / Activity/Speed

Hardware Specifications

Standards and Protocols		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z
Interface		8 x 10/100/1000Mbps Auto-Negotiation ports 2x 1000Mbps SFP ports
Network Media		• 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) • 100BASE-Tx:UTP category 5, 5e cable (maximum 100m) • 1000Base-T: UTP category 5e, 6 cable (maximum 100m) • 1000Base-SX: 62.5um/50um MMF (2m-550m) •1000Base-LX: 62.5um/ 50um MMF (2m-550m) or 10um SMF (2m-5000m)
Transfer Method		Store-and-Forward
MAC Address Table		4K
Switching Capacity		20Gbps
Buffer		1.5Mbit
Packet Forwarding		14.88Mpps
Jumbo Frame		9216Bytes
Indicators	Per Device	Power
	Per Port	Link/Activity/Speed
Power Supply		12V 1A External Power Supply
Power Consumption		Maximum: 5.78W (220V/50Hz)
Dimensions (W x D x H)		190x100x28mm
Environment		• Operating Temperature: 0°C~45°C • Storage Temperature: -40°C~70°C • Operating Humidity: 10%~90% non-condensing • Storage humidity: 5%~90% non-condensing

External Component Description

Front Panel

The front panel of the Switch consists of a series of LED indicators and 8 x 10/100/1000Mbps RJ-45 ports and two SFP ports.

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.

Indicator	Faceplate Marker	Status	Indication
PWR Status Light	PWR	Off	Power Off.
		Solid green	Power On.
10/100/1000 BASE-adaptiv e Ethernet port indicator	Link/Act/ Speed green	Off	Power Off.
		Solid	Power On.
		Solid orange 100/10Mbps.	The port is connected at
		Blinking	The port is transmitting or receiving data.
SFP port indicators	Link/Act	Off	The port is NOT connected.
		Solid green	The port is connected
		Blinking	The port is transmitting or receiving data.

10/100/1000 Mbps RJ-45 ports (1~8):
Designed to connect to the device with a bandwidth of 10Mbps, 100Mbps, 1000Mbps. Each has a corresponding Link/Act/Speed indicator.

SFP ports (SFP1, SFP2):
The interface card provides an interface so that you can insert a transceiver module (SFP) into the interface and connect it to the interface of another switch with cables. Each has a corresponding Link/Act LED.

Rear Panel
The rear panel of the Switch contains one Grounding Terminal and DC power adapter

Grounding Terminal:
Located on the right side of the power supply connector, use wire grounding to lightning protection.

DC Power Connector:

Powered by the external power adaptor, 12V/1A spark-proof external power supply.

Installing and Connecting the Switch

This part describes how to install your 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.

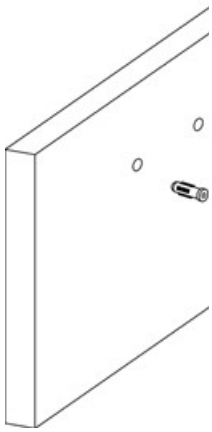
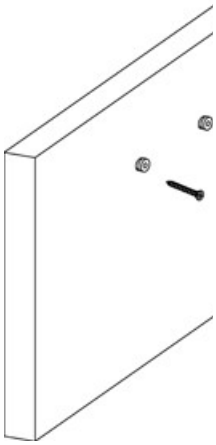
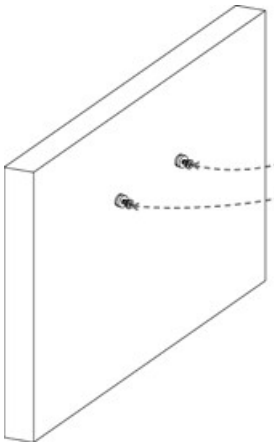
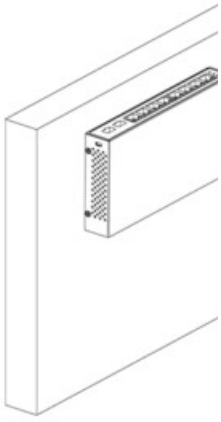
- Put the Switch on stable place or desktop in case of falling damage.
- Make sure the Switch works in the proper DC input range and matches the voltage labeled on the Switch.
- To keep the Switch free from lightning, do not open the Switch's shell even in power failure.
- Make sure that there is proper 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

Sometimes users are not equipped with the 19-inch standard cabinet. So 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.

Wall Installation

The installation process is as follows:

Step one: Please drill two suitable holes, press two expansion tubes into the two holes respectively.	
Step two: Insert the screw into the expansion tube.	
Step three: Hang the switch on the two screws.	
Step four: Installation is completed.	

Power on the Switch

The Switches connected an external power adapter power 12V/1A supply, make sure you use the proper power supply.

AC Electrical Outlet:
It is recommended to use single-phase three-wire receptacle with neutral outlet or multifunctional computer professional receptacle. Please make sure to connect the metal ground connector to the grounding source on the outlet.

DC Power Adapter Connection:
Connect the DC power connector in the back panel of the Switch to external receptacle with the included DC Power Adapter and check the power indicator is ON or not. When it is ON, it indicates the power connection is OK.

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 RJ45 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/Speed status indicator lights corresponding ports of the Switch.

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Documents / Resources

	DIGITUS DN-80067 Gigabit Ethernet Network Switch [pdf] User Guide DN-80067, Gigabit, Network, Ethernet, Switch

References

- ASSMANN Electronic GmbH | Germany