8 Port 2.5 G Switch, 10 Inch, Unmanaged, 1 x 10 G SFP+ Uplink

Quick Start Guide

DN-80122

1. About The Guide

This guide provides instructions to install the Ethernet Switch.

Note: The model you have purchased may appear slightly different from the illustrations shown in the document. Refer to the Product Instruction and Technical Specification sections for detailed information about your switch, its components, network connections, and technical specifications.

2. Product Introduction

The DIGITUS® DN-80122 is a powerful 10-inch multi-gigabit switch specially developed for installations in which several high-speed end devices are operated simultaneously. With eight 2.5G RJ45 ports, the switch provides sufficient bandwidth for workstations, NAS systems, media production, CAD environments or groups of Wi-Fi 6/7 access points. The integrated 10G SFP+ uplink ensures reliable and fast data outflow into the network backbone even when all ports are heavily utilized. This makes the switch ideal for modern edge networks in which large amounts of data are transported. Thanks to the fanless metal housing, the DN-80122 operates completely silently, making it ideal for offices, studios and residential technology installations. Its compact 10-inch size allows it to be installed in mini-racks, floor distributors or wall-mounted housings. Top USP: Eight fully-fledged 2.5G ports combined with a 10G uplink - ideal for multi-gig distributors with many end devices.

Front Panel

The front panel consists of LED indications and network ports.

LED Lamp

Power LED: The Power LED lights up when the switch is connected to a power source.

Port light: Yellow indicates 100M/1Gbps; green indicates 2.5Gbps.

SYS LED: Flashing indicates that the system is working normally and the network connection is normal.
10G Link LED: The light indicates the network connection through the SFP+ uplink port. This LED will be flashed only when connected to a port with 10G transmission rate.

Rear Panel
The rear panel view of the Switch consists of an AC power connector.

Grounding: use specialized ground lead connect
Connect the power adapter output terminal to this port.
Supports input voltages **100 – 240 V AC**

3. Hardware installation

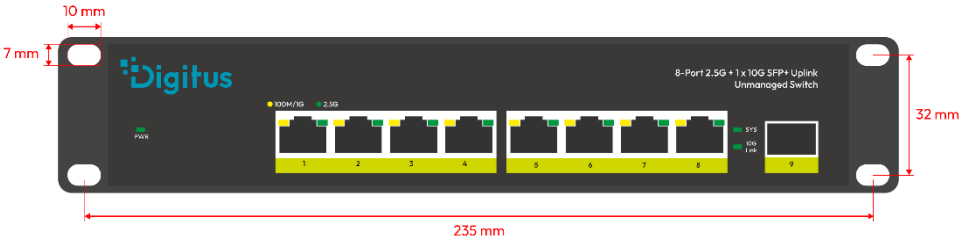
This chapter provides unpacking and installation information for the Ethernet Switch.

Package Content
Open the shipping carton and carefully unpack its contents. Please consult the packing list located in the QIG to make sure all items are present and undamaged. If any item is missing or damaged, please contact the local reseller for replacement.

- Switch 1pcs
- AC power cord 1pcs
- QIG 1pcs

Switch Installation
For safe switch installation and operation, it is recommended that you:
Visually inspect the power cord to see that it is secured fully to the AC power connector. Make sure that there is proper heat dissipation and adequate ventilation around the switch. Do not place heavy objects on the switch.

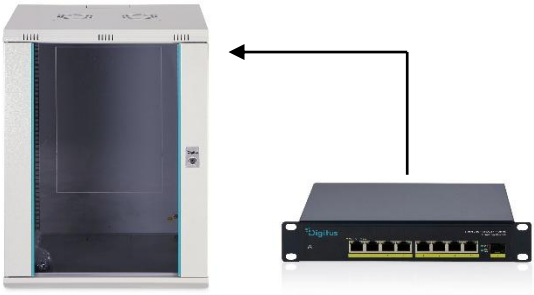
Installation Hole Spacing



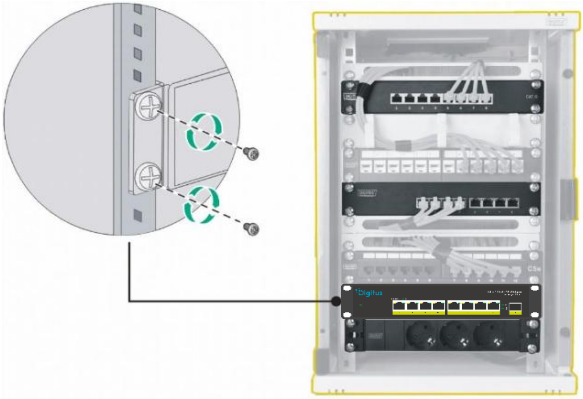
Installation steps:

Products are installed in an EIA-standard 10-inch Wall mounting cabinet, can be placed in a wall mounted cabinet along with other equipment.

1. Place the switch horizontally in a 10 "wall mounted cabinet".

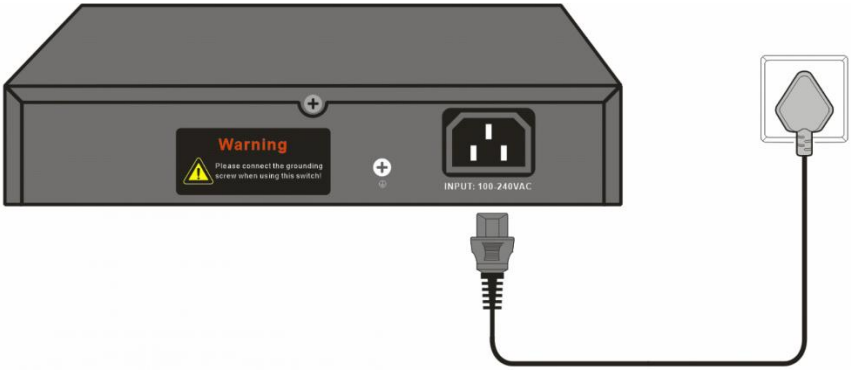


2. Use the M6 mounting screw set provided with the cabinet to secure the switch inside the cabinet.



Plugging in the AC Power Cord

You can connect AC power supply cord to switch back and the other side connect the power outlet (power outlet might as well grounding and support over voltage protection).



Power failure: As a precaution, the switch should be unplugged in case of power failure. When power is resumed, plug the switch back in.

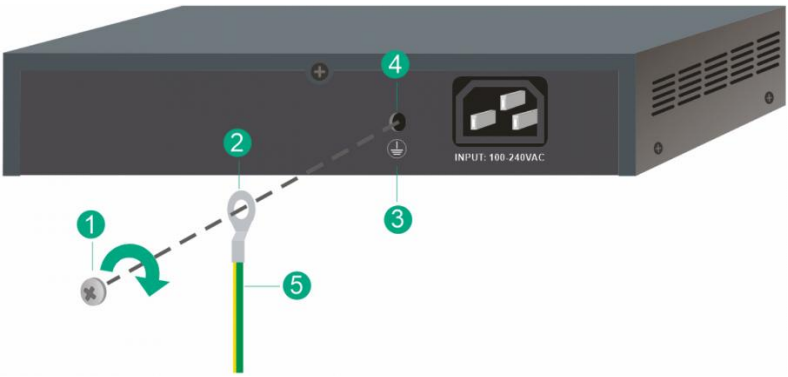
Grounding the Switch by Using a Grounding Strip

CAUTION

- Connect the grounding cable to the grounding strip in the equipment room. Do not connect it to a fire main or lightning rod.
- To guarantee the grounding effect and avoid switch damage, use the grounding cable connect the switch to a grounding strip in the equipment room.
- If a grounding strip is available at the installation site, use the grounding cable to connect the switch to the grounding strip.

Connecting the Grounding Cable to the Chassis

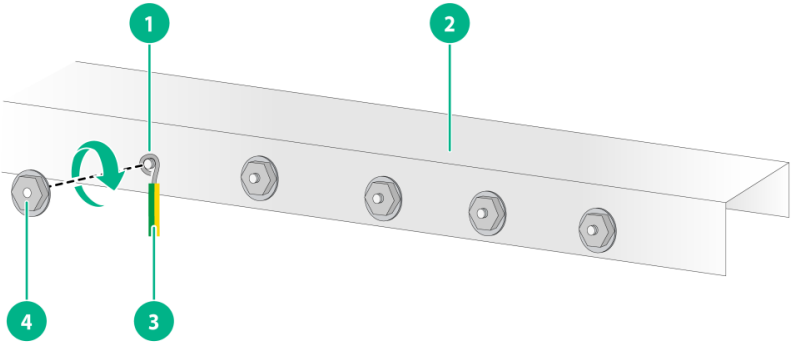
1. Remove the grounding screw in the rear panel of the chassis.
2. Use the grounding screw to attach the ring terminal of the grounding cable to the grounding screw hole. Fasten the screw. As a best practice, use a torque of 12 kgf-cm (1.18 Nm) to fasten the grounding screw.



①: Grounding screw (Min 3.5mm), ②: Ring terminal of the grounding cable, ③: Grounding sign, ④: Grounding hole, ⑤: Grounding cable (Min. 18AWG)

Connecting the Grounding Cable to a Grounding Strip

1. Use needle-nose pliers to bend the bare metal part to the shape as below. Make sure the bent part can securely attached to the grounding post on the grounding strip.
2. Attach the bent part of the grounding cable to the grounding post and use the hex nut to fasten the bent part to the post.



①: Grounding post, ②: Grounding strip, ③: Grounding cable, ④: Hex nut

Verifying the Connection After Grounding the Switch

If you ground the switch by using a grounding strip, perform the following tasks:

a. Use a multimeter to measure the resistance between the switch grounding terminal and grounding point, and make sure the resistance is less than 0.1Ω

b. Use a grounding resistance tester to measure the grounding resistance of the grounding strip, and make sure the grounding resistance is less than 1Ω

4. Technical specifications

Fixed port	8 x 100/1000/2500Mbps RJ45 Ethernet Ports 1 x10Gbps SFP+ Ports
LED Indicators	Power, SYS, 10G Link, 100M/1G, 2.5G
Switching Capacity	60 Gbps
Forwarding Capacity	44.64 Mpps
Forwarding Mode	Store and Forward
Packet Buffer Memory	8 Mbit
MAC Address Table	4 K
Max. Jumbo Frame size	12 KB
Dimensions (W x L x H)	252 x 150 x 44 mm
Operating Temperature	0 to 40°C
Storage Temperature	-10 to 70°C
Operating Humidity	5 to 90% Noncondensing
Power Input	100V~240V AC，50/60Hz
Max. Power Consumption	15W
Casing	Metal
Installation	Rack mounting in 10” cabinet

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.

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