DIGITUS®

8-PORT GIGABIT SWITCH, DESKTOP, UNMANAGED

Quick Installation Guide
DN-80066-1

Table of Contents

1. Introduction

The DN-80066-1 SOHO network switch is the ideal solution for home networks and small offices. With 8 Gigabit ports, it offers fast and reliable connections for all your devices. Thanks to its simple plug-and-play installation and compact, fanless design, it requires little maintenance and fits perfectly into any network environment.

2. Main feature

- Gigabit speed: 8 Adaptive 10/100/1000Mbps RJ45 ports offer ultra-fast network connections
- Simple installation: Plug-and-play functionality, no configuration required
- High compatibility: Supports MDI/MDIX auto-flip for easy connection to various network devices
- Silent operation: Fanless design for quiet and trouble-free operation
- Compact design: With dimensions of 140x67x26mm, it fits into any network environment
- Reliable performance: 16Gbps switching capacity and 11.9Mpps forwarding rate ensure smooth data traffic
- Low energy consumption: Only 5W power consumption, ideal for continuous operation
- Stable connection: 4K MAC Address table with auto-learning and auto-aging for efficient network management
- Safe operation: Supports earthing to protect against lightning strikes and overvoltage
- Wide range of applications: Ideal for home networks, small offices, hotels and campus networks

3. Package Content

- 8-Port Switch
- 5V/1A Mains adapter
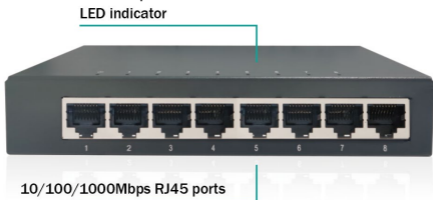- Quick Installation Guide (QIG)

4. Specifications

Standard	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3az, IEEE802.3ab
Network ¬Media	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5, 5e cable (≤100m) 1000BASE-T: UTP category 5e, 6 cable (≤100m)
MAC Address Table	4K, Auto-learning, Auto-aging
Transfer mode	Store-and-Forward
Switching Capacity	16Gbps
Forwarding Rate	11.9Mpps
Dimensions (LxWxH)	140x67x26mm
Fan	Fanless
Input Voltage	5V/1A
Power Supply	5W
DC Plug Size	5.5 x 1.5mm

DC Pug Electrode	Inside (+), Outside (-)
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

5.1 Front Panel

The Front Panel consists of Ethernet Ports. The LED indicators are located on the top cover.
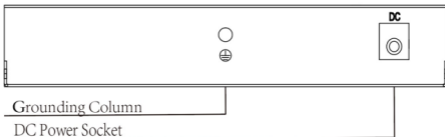
LED indicator

LED	Color	Function
PWR	Green	**Off:** No Power supply. **Light:** Indicates the switch has power.
DATA	Green	**Off:** No device is connected to the corresponding port. **Light:** Indicates the link through that port is successfully established at 10/100/1000Mbps. **Blink:** Indicates that the Switch is actively sending or receiving data over that port.

5.2 Rear Panel

The rear panel of the switch indicates an DC inlet power socket, and grounding column.

Grounding Column
DC Power Socket

DC power Socket
Employ 5V/1A Power Adapter. Plug it into the DC interface of the Switch。

Grounding Column
For safety consideration, please use wire grounding to prevent lightning strike.

6. 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 reduce the risk of electric shock, do not open the shell of the Switch when it is working. Do not open the shell of the Switch even when it is not powered on.

6.1 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:
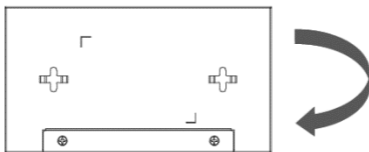
- Ensure the stability of the workbench and good grounding.
- Check whether cables and connectors required for installation are in place (less than 100m).
- Environment requirements: The operating temperature ranges from 0°C to 40°C and the relative humidity ranges from 5% to 90%.

6.2 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 external vibration. Allow adequate space for ventilation between the device and the objects around it.

6.3 Wall-mounted installation

Install the Switch by following the steps: Fix two screws on the wall to align the two fixing holes on the Switch, as shown in the figure below, and hang the Switch smoothly on the screws.

7. Turn on the switch

The PoE switch can be used with DC 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.

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