

User Guide


8-Port Gigabit Unmanaged Switch

This document applies to the 8-Port Gigabit Unmanaged Switch. The 8-Port Gigabit is used as an example in the product figure unless otherwise specified.

Packing List

When using the Switch for the first time, carefully open the packing box. The packing box should contain the following items:

- Switch *1
- User Guide *1
- Power Adapter *1
- Feet *4

 **Note:** Precision devices are built in the device, please handle them carefully to avoid violent vibration, which may affect the performance of the device. If you find that the equipment is damaged or any parts are lost in the process of transportation, please inform us, we will give you a proper solution as soon as possible.

Chapter 1 Product Introduction

1.1 Product Overview

8-Port Gigabit Switch is our self-developed Unmanaged Switch product, providing 8 10/100/1000Mbps adaptive RJ45 ports, each port supports MDI/MDIX auto-flip and wire-speed forwarding function. It is easy to manage and maintain, and meets the networking and access requirements of enterprises, communities, hotels, office networks and campus networks.

Chapter 2 Product Appearance Description

2.1 Front panel

The front panel consists of 8*10/100/1000Mbps adaptive RJ45 ports and associated indicators, as shown below:

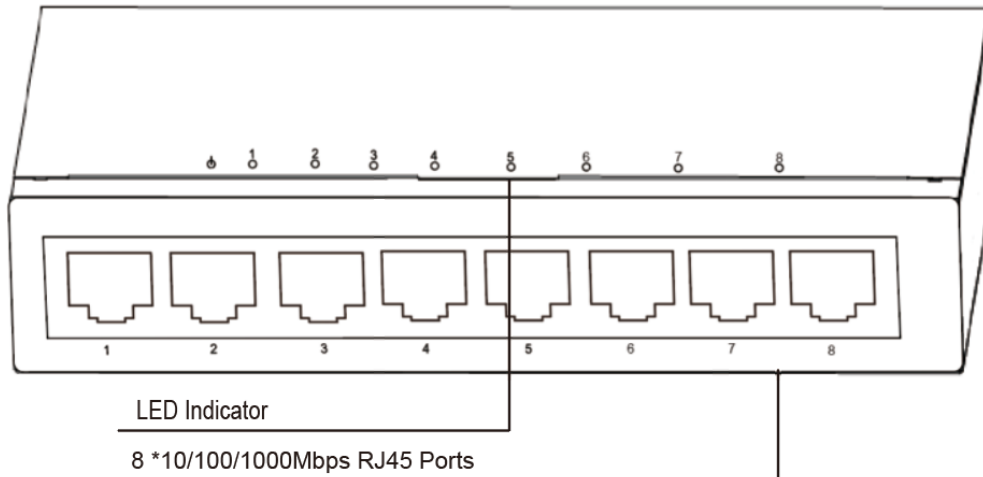


Figure 2-1 Front panel of the 8-Port Gigabit Switch

8-Port Gigabit Port description:

➤ **10/100/1000Mbps RJ45 ports**

Supports 10Mbps, 100Mbps, or 1000Mbps rate adaptation, auto-MDI /MDIX, and each port has a corresponding indicator, that is, the indicators 1-8 on the panel in the figure above.

➤ **LED Indicator**

The LED indicator is used to indicate the different working status of the Switch, so that we can check whether the Switch is working properly in time.

2.2 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: Switch not powered on. Light: Switch is powered on.
DATA	Green	Off: Data port is disconnected. Steady on: Data port is connected. Blinking: Data port with data forwarding.

2.3 Rear panel

Switch Rear Panel have DC power interface, Grounding column.

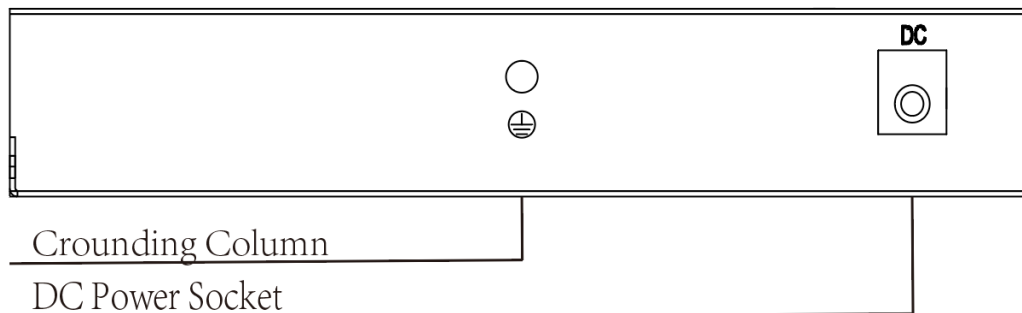


Figure 2-2 Rear panel of 8-Port Gigabit Switch

DC power port

Employ 12V/0.5A Power Adapter, Plug it into the DC interface of the Switch.


Lightning protection grounding pole

It is located to the left of the power interface. Please use wire grounding to prevent lightning strike.

Chapter 3 Installation Guide

This chapter helps users correctly install and safely use Switches.

3.1 Installation Precautions

 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%. Install proper devices when possible.
- 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.

 **Safety Tips:**

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

3.2 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).
- Power supply: Environment: operating temperature: 0°C to 40 °C relative humidity: 5% to 90%.

3.3 Installation

Desktop installation

- Place the bottom of the Switch face up on a large enough stable desktop;
- Tear off the attached sticky paper on the surface of the footpad and paste the footpad into the groove at the bottom of the chassis of the Switch to prevent external vibration;
- Carefully position the Switch upright on the workbench;

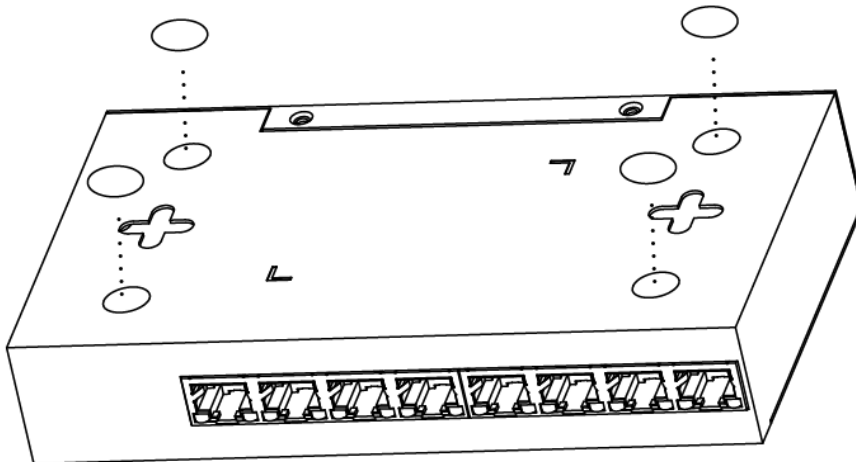


Figure 3-1 Desktop Installation Diagram

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.

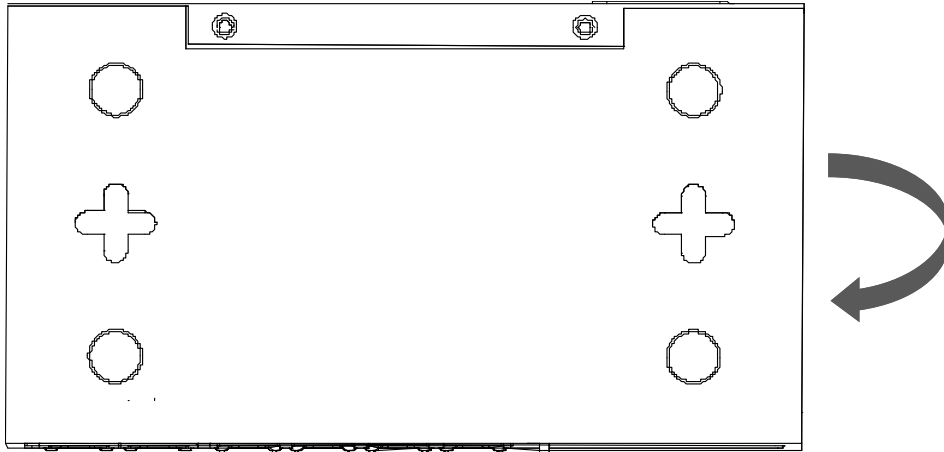


Figure 3-2 Schematic of wall-mounted installation

Appendix: Technical specifications

Model	8-Port Gigabit Switch
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3az, IEEE802.3ab
Network Media(Cable)	10BASE-T: UTP category 3, 4, 5 cable($\leq 100\text{m}$) 100BASE-TX: UTP category 5, 5e cable($\leq 100\text{m}$) 1000BASE-T: UTP category 5e, 5 cable($\leq 100\text{m}$)
MAC Address Table	4K, Auto-learning, Auto-aging
Transfer Mode	Store-and-Forward
Switching Capacity	160Gbps
Packet Forward Speed	11.9Mpps
Dimensions (L*W*H)	140*76.7*27.65mm
Fan	Fanless
Input Voltage	12V/0.5A
Power Supply	6W
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