



Gigabit Switch

Quick Start Guide



Preface

Applicable Models

This manual is applicable to NS-0500 series gigabit switches.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

1 Introduction

1.1 Product Introduction

NS-0500 series switches are unmanaged gigabit network switches, providing five or eight gigabit Ethernet ports to upload data via convergence switches. The devices are reliable, easy to install and maintain, and equipped with rapid switching functions. With multiple access ports, the devices are applicable for access of small-scale LAN devices.

1.2 Packing List

Please check if the package is damaged first. If the package is intact, unpack it and check whether the accessories provided with the product are available by referring to the packing list. Then, you can continue to install the device.

Table 1-1 Packing List

Accessory	Quantity
Switch	× 1
Power Adapter	× 1
Quick Start Guide	× 1
Regulatory Compliance and Safety Information	× 1

1.3 Appearance

Device appearances vary with different models. The actual device prevails.

Front Panel

NS-0505 series switches feature five gigabit RJ45 ports.

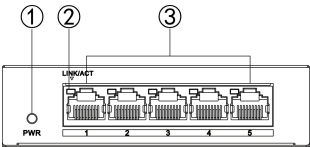


Figure 1-1 NS-0505 Series

NS-0508 series switches feature eight gigabit RJ45 ports.

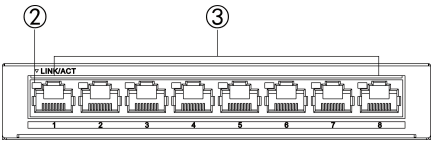


Figure 1-2 NS-0508 Series

Rear Panel

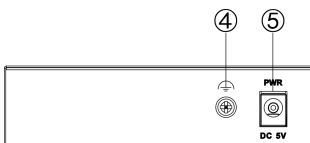


Figure 1-3 NS-0505 Series

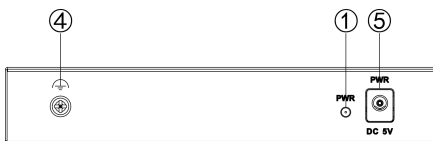


Figure 1-4 NS-0508 Series

Table 1-2 Port/Indicator Description

No.	Indicator/Port	Description
①	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
②	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
③	Gigabit RJ45 Port	Used for connection to another device via a network cable.
④	Grounding Terminal	Used for connection to a grounding cable to protect the switch from lightning.
⑤	Power Supply	Use the attached power adapter to connect the switch to a socket.

2 Installation

Please select an appropriate installation method according to the actual needs.

Note

The following figure is for illustration only. The actual device prevails.

Before You Start

- Ensure that the desktop, wall, or rack is stable and firm enough.
- Keep the room well-ventilated. Leave at least 10 cm of heat dissipation space around the device.

2.1 Desktop Placement

Place the device on the desk.

2.2 Wall Mounting

Steps

1. Check the distance between the two hanging holes at the bottom of the device.
 2. Insert two self-prepared M4 screws into the wall.
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Note

- The load-bearing capacity of the wall should be three times more than the weight of the device.
 - Ensure that the distance between the two screws equals to the distance between the two hanging holes.
 - Set aside at least 4 mm of the screw bodies outside the wall.
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3. Align the hanging holes with the screws, and hang the device on the screws.

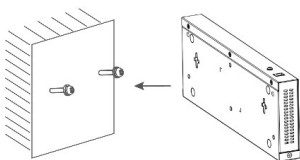


Figure 2-1 Wall Mounting

3 Wiring

3.1 Connect Grounding Cable

Grounding is used to quickly release overvoltage and overcurrent induced by lightening on the device, and to protect personal safety. Select an appropriate grounding method according to the installation conditions.

Note

The following figures are for your reference only.

3.1.1 With Grounding Bar

If a grounding bar is available at the installation site, follow the steps below.

Steps

1. Connect one end of the grounding cable to the binding post on the grounding bar.
2. Connect the other end of the grounding cable to the grounding terminal of the device and tighten the screw.

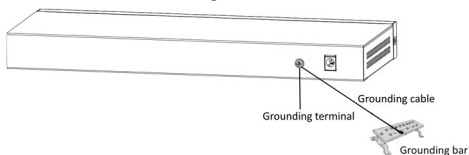


Figure 3-1 Grounding with Grounding Bar

3.1.2 Without Grounding Bar

If there is no grounding bar but the earth is nearby and the grounding body is allowed to be buried, follow the steps below.

Steps

1. Bury an angle steel or steel pipe (≥ 0.5 m) into the earth.
2. Weld one end of the grounding cable to the angle steel or steel pipe and embalm the welding point via electroplating or coating.
3. Connect the other end of the grounding cable to the grounding terminal.

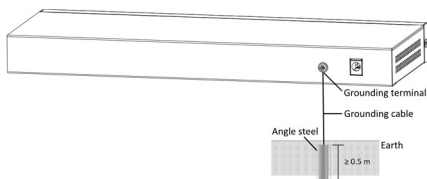


Figure 3-2 Grounding with Angle Steel

3.2 Connect RJ45 Port

Use a network cable to connect the device to the RJ45 port of a peer device such as network camera (IPC), network video recorder (NVR), switch, etc.

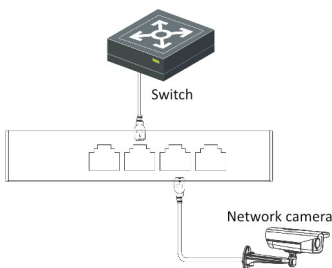


Figure 3-3 RJ45 Port Connection

Note

When the device is connected to a network camera (IPC), a separate power supply is required for the IPC.

4 Device Powering-On

Please use the attached power adapter to power on the device.

Before powering on your device, make sure that:

- The operating power supply is compliant with rated input standard.
- Port cables and grounding cables are correctly connected.
- If there is outdoor cabling, connect a lightning rod and a lightning arrester to the cable.