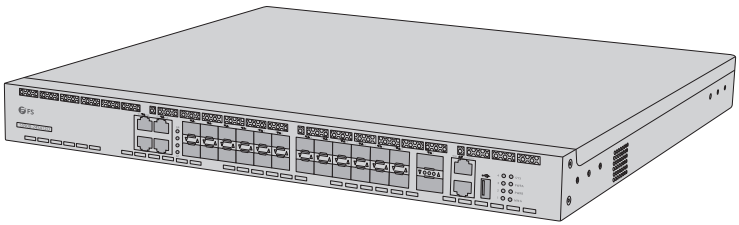


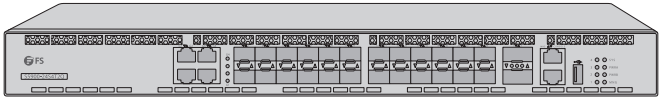
S5900-24S4T2Q

L2/L3 DATA CENTER TOR SWITCH

Quick Start Guide V1.0

Introduction

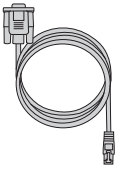
Thank your for choosing S5900-24S4T2Q Data Center switches. This guide is designed to familiarize you with the layout of the switch and describes how to deploy the switch in your network.



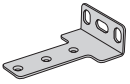
S5900-24S4T2Q

Accessories

Power Cord x2



Console Cable x1



Rack Mount Bracket x2

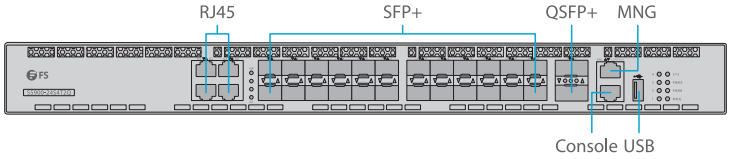
Rubber Pad x4

Screw x6

NOTE: The switch includes plug-in power supply (PSU) and fan tray modules that are installed into its chassis.

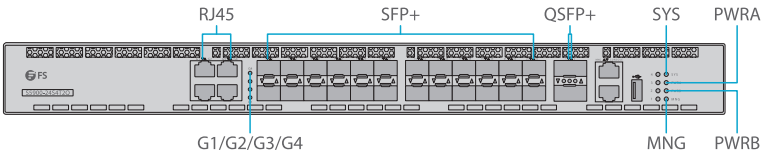
Hardware Overview

Front Panel Ports



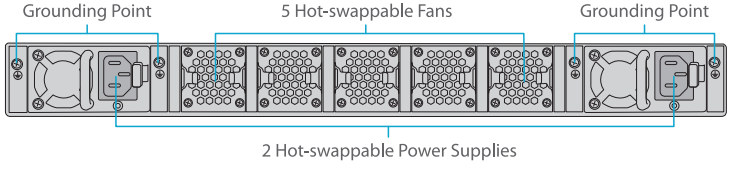
Ports	Description
RJ45	10/100/1000BASE-T ports for ethernet connection
SFP+	SFP+ ports for 1/10G transceivers
QSFP+	QSFP+ ports for 40G transceivers
MNG	An Out-Of-Band ethernet management port
Console	An RJ45 console port for serial management
USB	A USB 2.0 management port

Front Panel LEDs



LEDs	Status	Description
PWRA/PWRB	On	The power supply is powered on.
SYS	On	The system is being started up.
	Blink	The system works well.
MNG	On	The system is normally linked.
	off	The port is not linked.
	Blink	Data is being transmitted or received.
G1/G2/G3/G4	On	The port is normally linked.
	off	The port is not linked.
	Blink	Data is being transmitted or received.
RJ45/SFP+ Ports	On	The system is normally linked.
	off	The port is not linked.
	Blink	Data is being transmitted or received.
QSFP+ Ports	On	The system is normally linked.
	off	The port is not linked.
	Blink	Data is being transmitted or received.

Back Panel

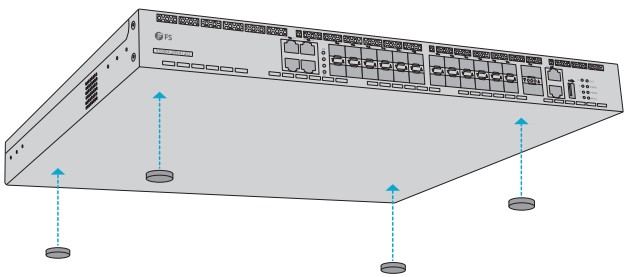


Site Environment

- Make sure that the workshop is well-ventilated, the heat of electrical devices is well-discharged and sufficient air circulation is provided for device cooling.
- Avoid to damage devices by following the electrostatic discharge prevention procedure.
- Put the machine box at the place where cool air can blow off the heat inside the machine box. Make sure the machine box is sealed because the opened machine box will reverse the cool airflow.
- Each device on the cabinet gives off heat when it runs. Therefore, the sealed cabinet must have the heat-discharge outlet and the cooling fan. Do not put the devices too close, avoiding bad ventilation.
- When you install the machine box at the open cabinet, prevent the frame of the cabinet from blocking the airway of the machine box.
- Ensure that nice ventilation is provided for the devices installed at the bottom of the cabinet.
- Make sure that the power supply has a nice grounding and the power at the input side of the switch is reliable. The voltage control can be installed if necessary.

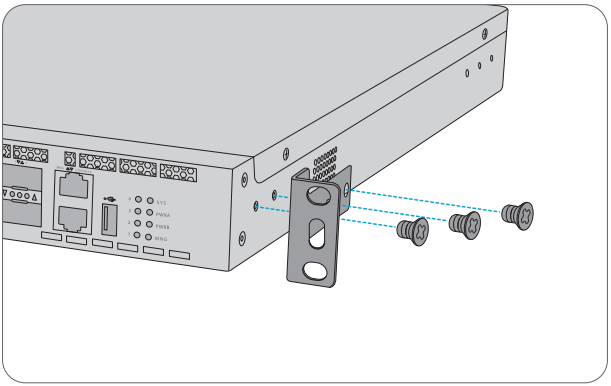
Installing

Desk Mounting

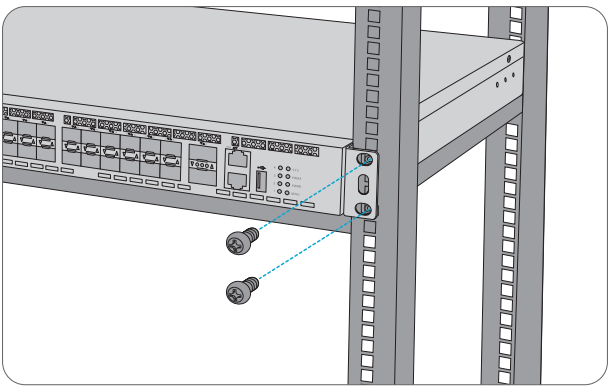


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

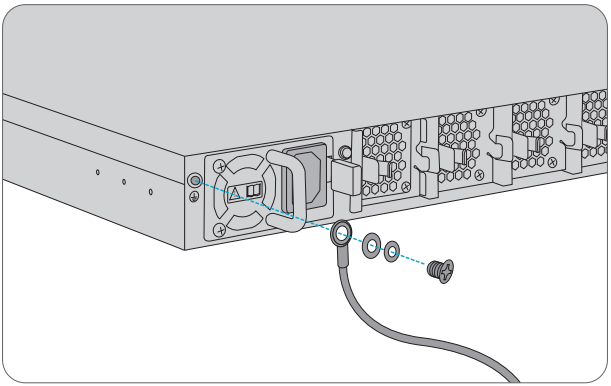


1. Examine grounding and stability of the cabinet. Place the equipment horizontally on a sturdy platform. Secure the mounting bracket to the two sides of the switch with six M4 screws.



2. Use the screws and cage nuts supplied with the rack to secure the switch in the rack.

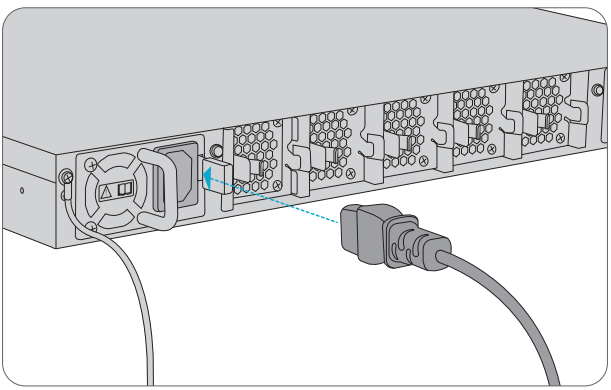
Grounding the Switch



Attach the grounding wire to the grounding point on the switch rear panel. Then connect the other end of the wire to rack ground.

CAUTION: The earth connection must not be removed unless all supply connections have been disconnected.

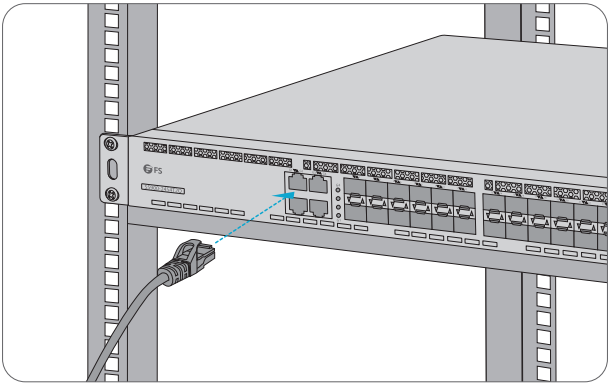
Connecting to the Power



1. Plug the AC power cord into the power port on the back of the switch.
2. Connect the other end of the power cord to an AC power source.

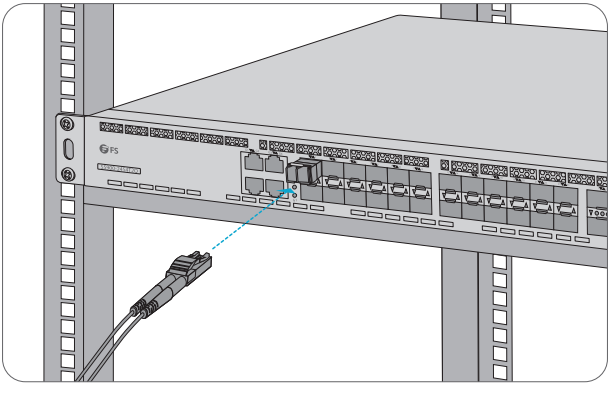
WARNING: Do not install power cables while the power is on.

Connecting to the RJ45 Ports



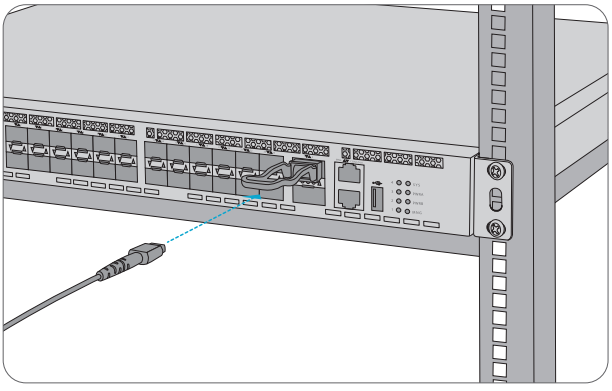
1. Connect an ethernet cable to the RJ45 port of a computer, printer, network storage, or other network devices.
2. Connect the other end of the ethernet cable to the RJ45 port of the switch.

Connecting to the SFP+ Ports



First install SFP+ transceivers and then connect fiber optic cabling to the transceiver ports, or connect DAC cables to the SFP+ slots.

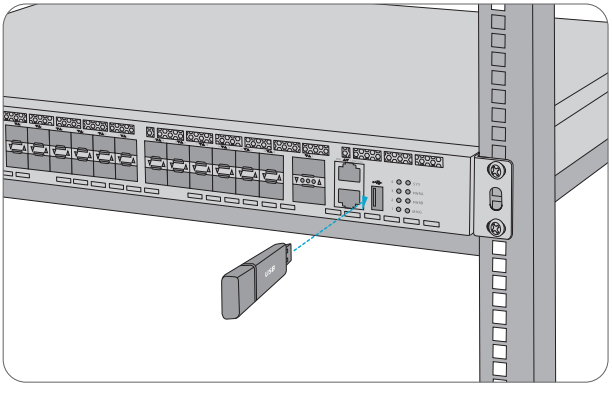
Connecting to the QSFP+ Ports



First install QSFP+ transceivers and then connect fiber optic cabling to the transceiver ports, or connect DAC cables to the QSFP+ slots.

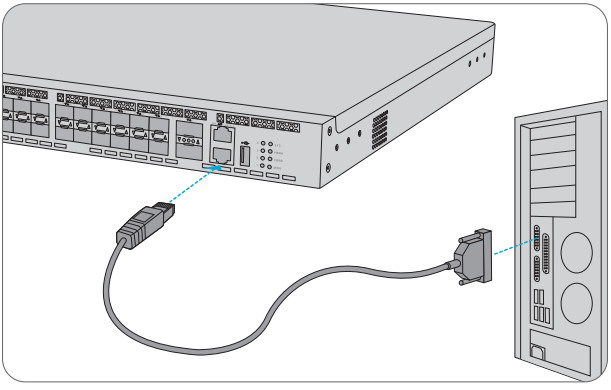
CAUTION: Laser beams will cause eye damage. Do not look into bores of optical modules or optical fibers without eye protection.

Inserting USB Flash Disk



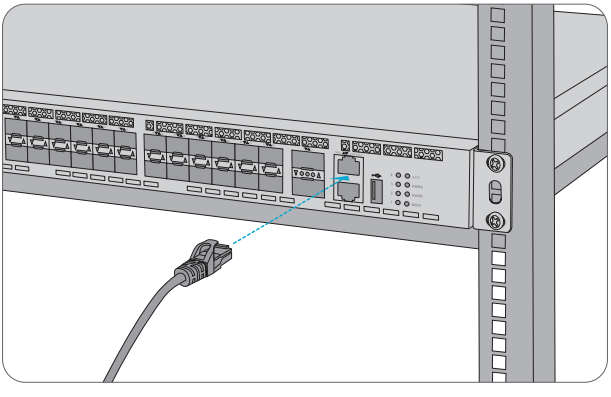
Inserting USB flash disk.

Connecting to the Console Port



1. Connect the DB9 female connector of the console cable to RS-232 serial port on the computer.
2. Insert the RJ45 connector into the RJ45 console port on the front of the switch.

Connecting to the MNG Port



1. Connect one end of a standard RJ45 Ethernet cable to a computer.
2. Connect the other end of the cable to the MNG port on the front of the switch.

Configuring the Switch

Set up Configuration Enviroment via Console Port

Step 1: Connect the serial port of a PC (or a terminal) to the console port of the switch with the console cable.

Step 2: Run terminal emulator (such as Hyper Terminal on windows 9X/2000/XP/Vista) on the computer. Set the terminal communication parameters as follows: Set the baud rate to 115200, data bit to 8, stop bit to 1, parity check to none, flow control to none and select the terminal type as auto-detectiom.

Step 3: Enter the default login information:

Username: **admin**

Initial password: **admin**

Step 4: Use the corresponding commands to configure the switch or to monitor the running state.

Login the Switch through Web

After you have correctly configured managed IP address and VLAN for the switch via console port, and make sure PC can ping the switch, and then you can access the switch through web and configure it.

Step 1: Open the web browser and enter 192.168.1.1 in the address bar. It is noted that 192.168.1.1 is the default management address of the switch.

Step 2: Enter the default login information:

Username: **admin**

Initial password: **admin**

Step 3: After successful authentication, the systematic information about the switch will appear on the IE browser.

The Getting Started window displays. You are now ready to configure the switch.

Refer to the Switches Software Configuration Guide on the website for further information.

CAUTION: Make sure that any configuration changes made are saved before exiting.

Troubleshooting

Power System Fault

According to the power indicator on the front panel, the Ethernet switches can be used to determine whether the power supply system of the switch is faulty. If the power supply system is working normally, the power indicator should remain lit. If the power indicator light is unlit, please check the following:

- Whether the switch power cable is connected correctly.
- Whether the power supply of the switch matches the required power supply.

Configuration System Fault

After the switch is powered on, if the system is normal, the startup information will be displayed on the configuration terminal. If there is something wrong with the configuration system, the configuration terminal may not display or display error codes.

Troubleshooting for Terminal No-show

After power-on, if the configuration terminal shows nothing, you can firstly check the following:

- Whether the power supply is normal.
- Whether the console cable is properly connected.

If there is no problem with the above, it is very likely that there is a problem with the configuration cable or the terminal (such as the Hyper Terminal) parameters were set incorrectly.

Troubleshooting for Terminal Show Error Codes

If the configuration terminal shows error codes, it is likely that the terminal (such as Hyper Terminal) parameters are set incorrectly. Please confirm the parameters of the terminal (such as Hyper Terminal).

Online Resources

- Download **https://www.fs.com/download.html**
- Help Center **https://www.fs.com/service/help_center.html**
- Contact Us **https://www.fs.com/contact_us.html**

Product Warranty

FS ensures our customers that any damage or faulty items due to our workmanship, we will offer a free return within 30 Days from the day you receive your goods. This excludes any custom made items or tailored solutions.

Warranty: FS S5900-24S4T2Q Switches enjoy 5 years limited warranty againist defect in materials or workmanship. For more details about warranty, please check at https://www.fs.com/policies/warranty.html

Return: If you want to return item(s), information on how to return can be found at https://www.fs.com/policies/day_return_policy.html

Q.C. PASSED