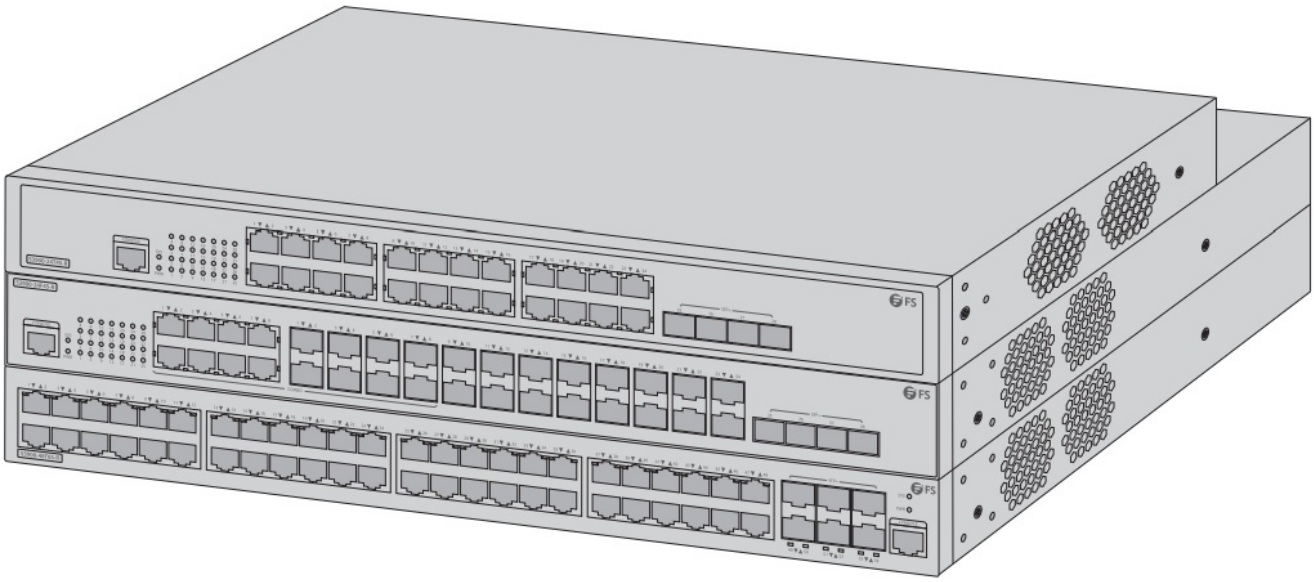
FS COM S3900 24-Port Gigabit Ethernet L2+ Switch User Guide



S3900 SERIES MANAGED L2+ GIGABIT SWITCHES
Quick Start Guide V1.0

Contents

Introduction

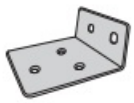
Thank you for choosing S3900 Series Stackable Managed Switches. This guide is designed to familiarize you with the layout of the switch and describes how to deploy the switch in your network.

Accessories

S3900-24T4S-R

Power Cord x 2

Console Cable x 1



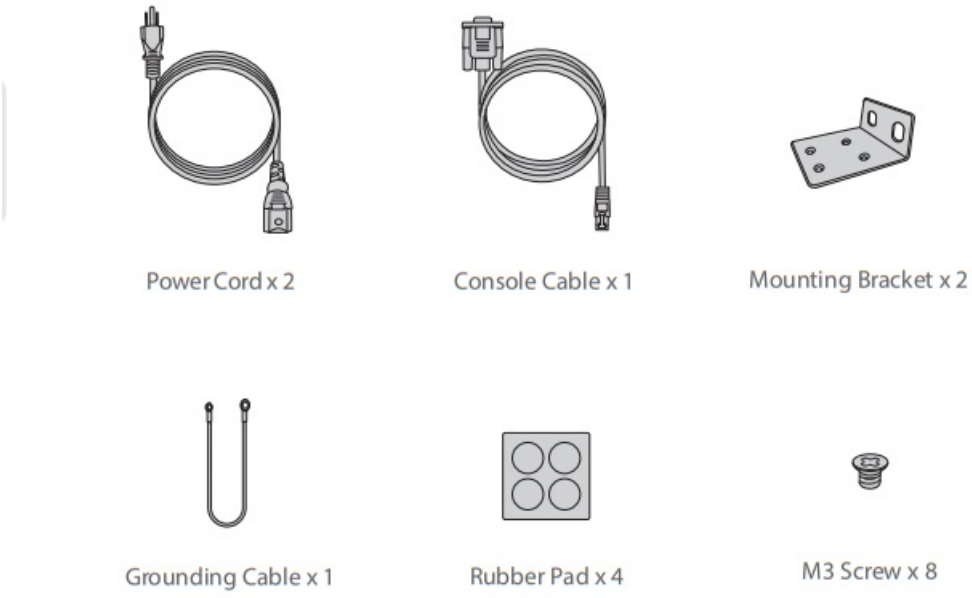
Mounting Bracket x 2

Grounding Cable x 1

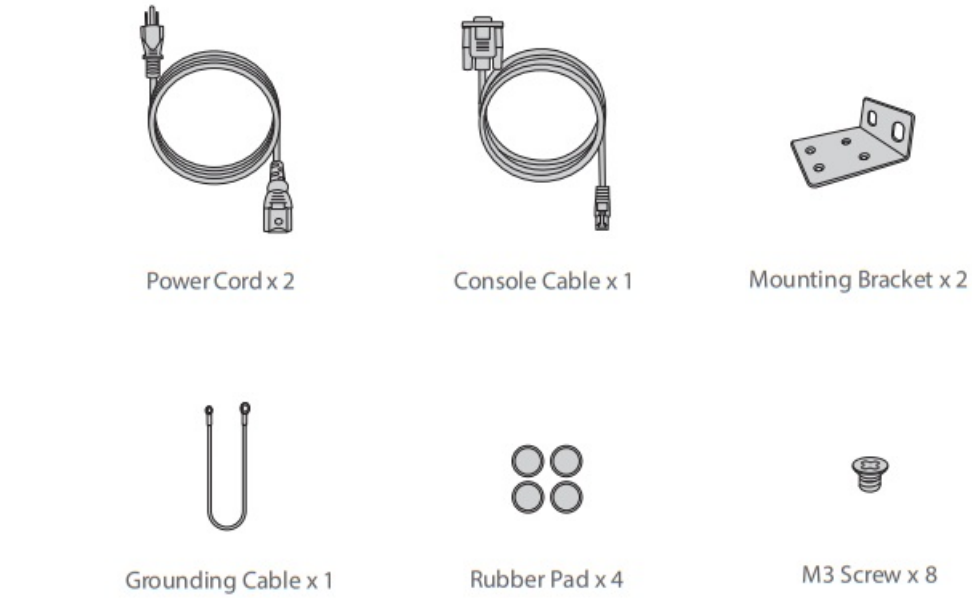
Rubber Pad x 4

M3 Screw x 6

S3900-24F4S-R



S3900-48T6S-R

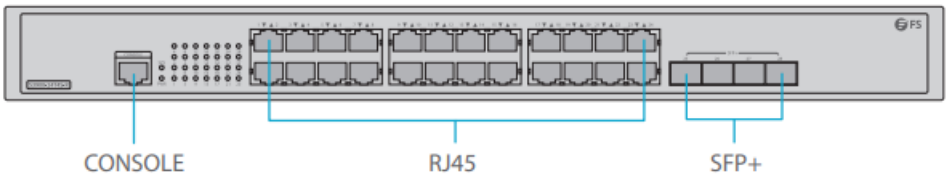


NOTE: S3900 series switches have dust plugs delivered with them. Keep the dust plugs properly and use them to protect idle optical ports.

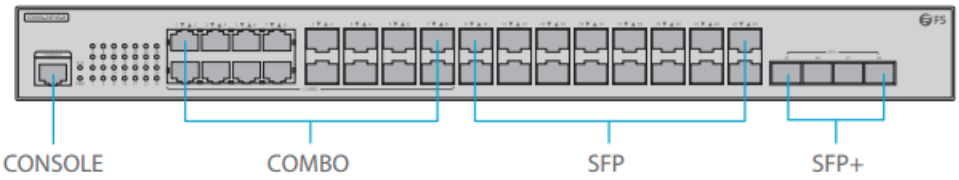
Hardware Overview

Front Panel Ports

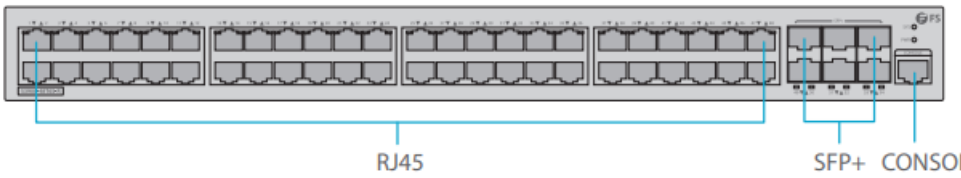
S3900-24T4S-R



S3900-24F4S-R

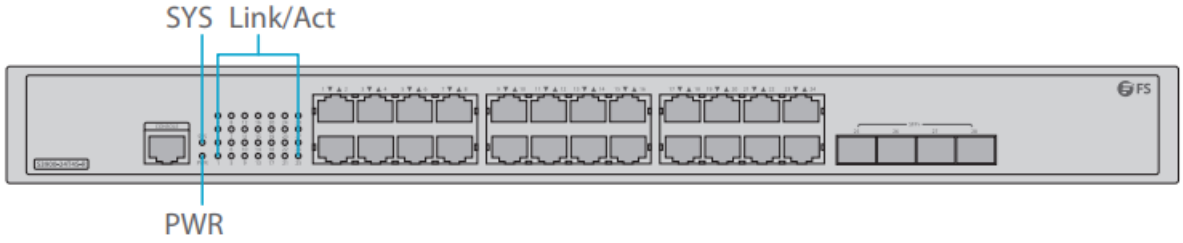


S3900-48T6S-R

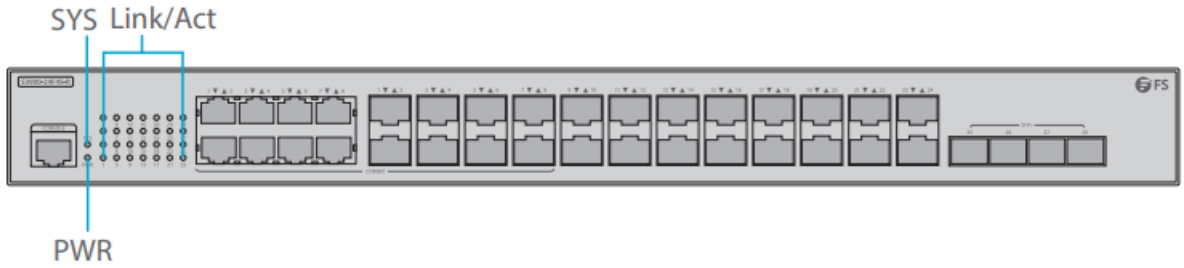


Ports	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP	SFP ports for 1G connection
SFP+	SFP+ ports for 1/10G connection
CONSOLE	An RJ45 console port for serial management
COMBO	One RJ45 port and one SFP slot, with one port active at a time

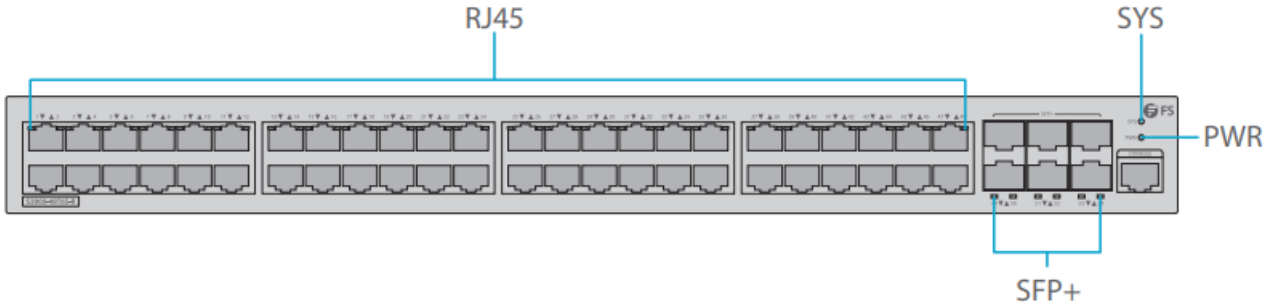
Front Panel LEDS



S3900-24F4S-R



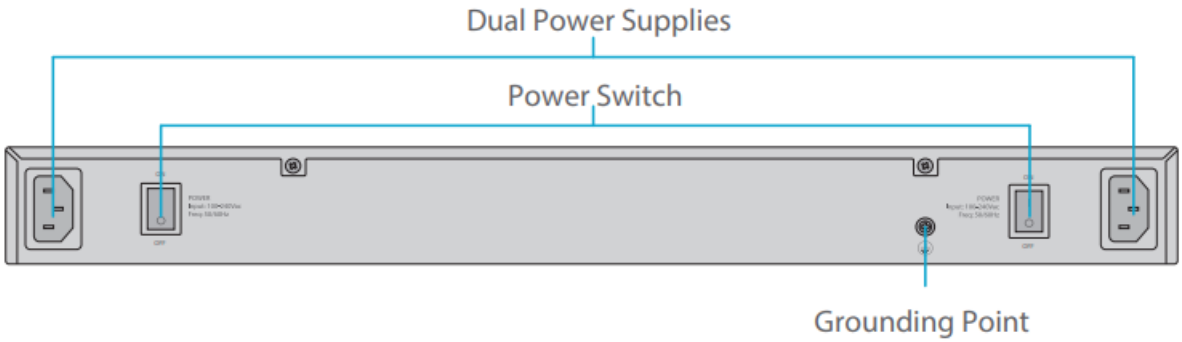
S3900-48T6S-R



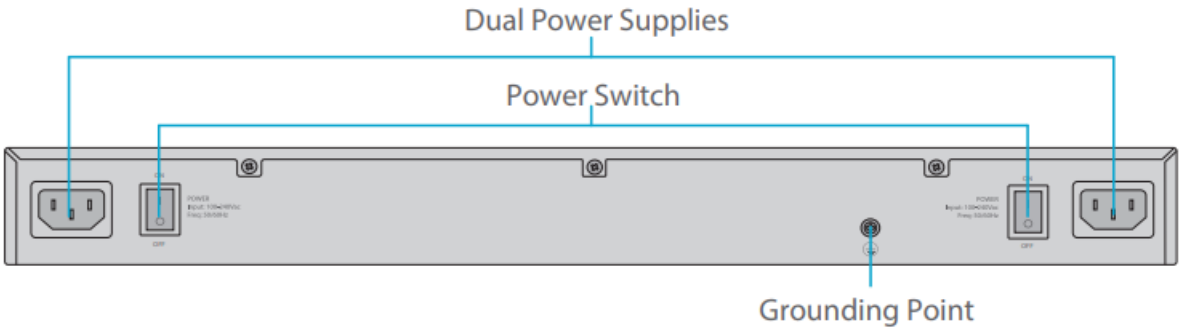
LEDs	Status	Description
PWR	Green	Switch is powered on.
SYS	Green	System is working properly.
	Blinking Green	System is started normally.
	Of	System is not working properly.
Link/Act	Green	Data is being transmitted or received.
	Of	no signal transmission.
RJ45/SFP+	Green	Data is being transmitted or received.
	Of	No device is connected to the corresponding port.

Back Panels

S3900-24T4S-R



S3900-24F4S-R / S3900-48T6S-R



Button	Description
Power switch	ON means the power is switched on, while OFF means the power is cut off.

Installation Requirements

Only professionals are allowed to install or replace the switch.
Before you begin the installation, make sure that you have the following:

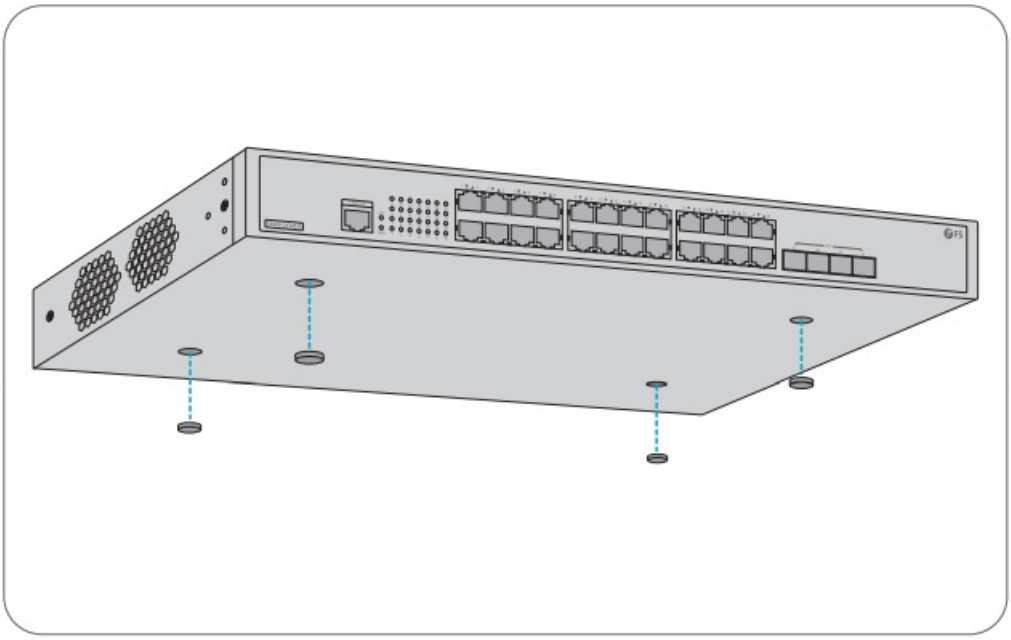
- Screwdriver
- Static-proof wristband
- Ethernet cable
- Other Ethernet terminal devices
- Control terminal

Site Environment:

- Do not operate it in an area that exceeds an ambient temperature of 50°C.
- The installation site must be well ventilated. Ensure that there is adequate air frow around the switch.
- Be sure that the switch is level and stable to avoid any hazardous conditions.
- Do not install the equipment in a dusty environment.
- The installation site must be free from leaking or dripping water, heavy dew, and humidity.
- Ensure rack and working platforms are well earthed.

Mounting the Switch

Desk Mounting

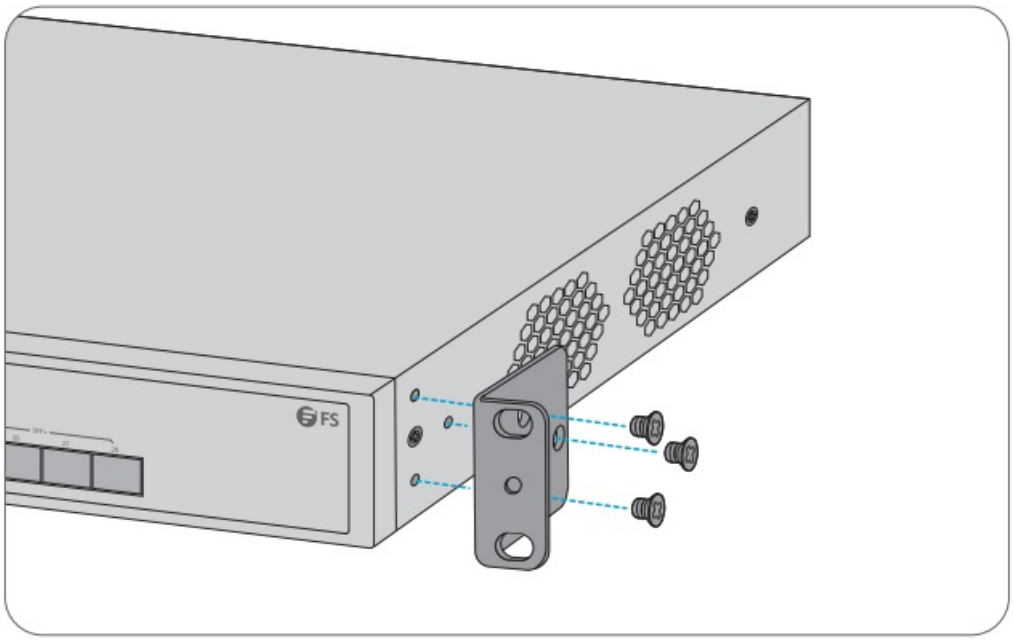


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

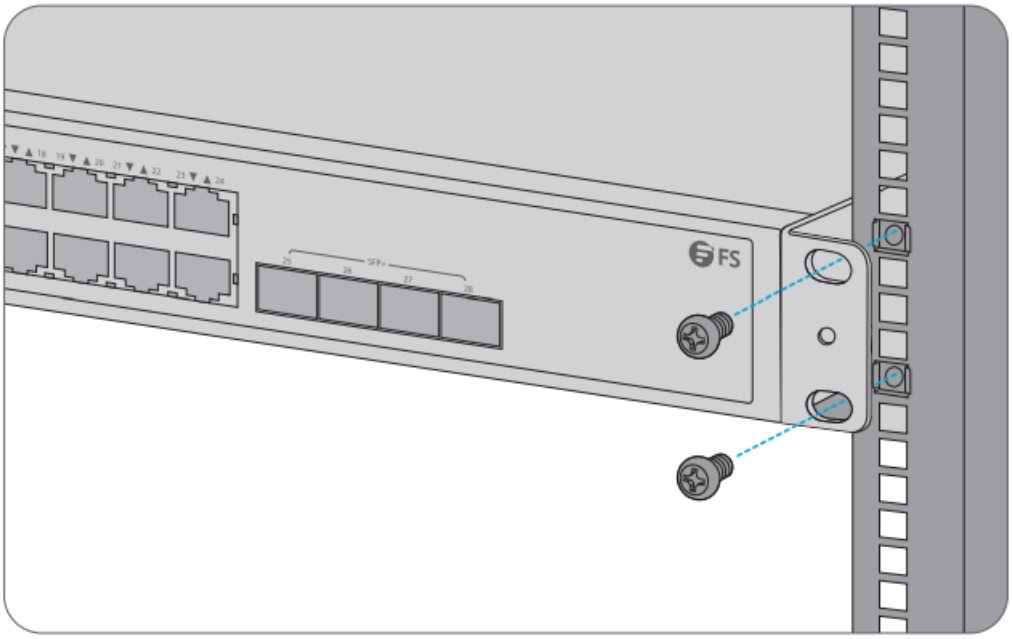
   NOTE: Do not put things weighing 4.5 kg or over 4.5 kg on the top of the switch.

Rack Mounting

1.

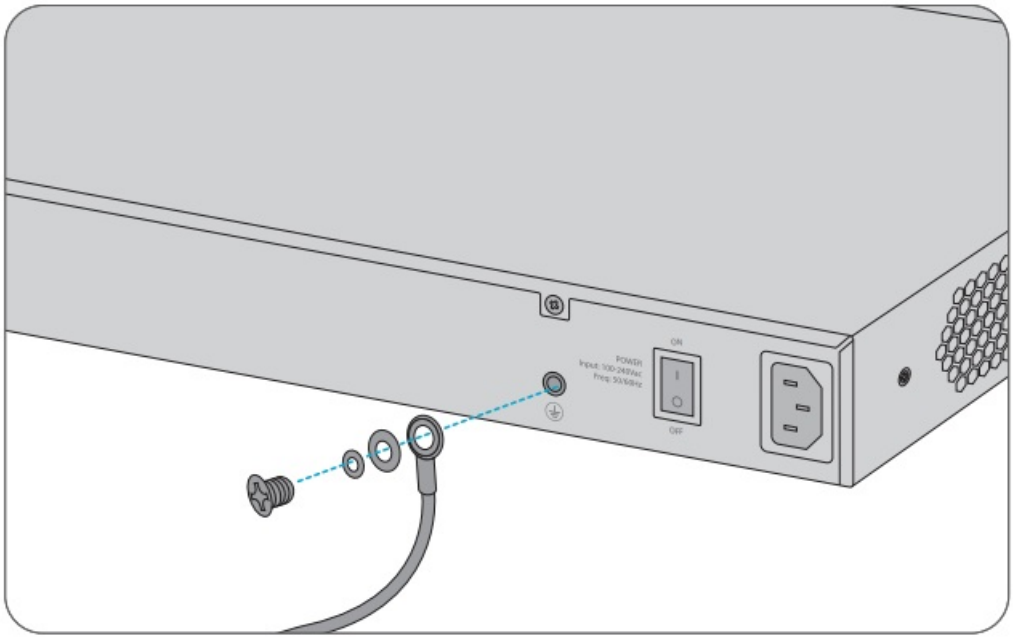


Secure the mounting brackets to the two sides of the switch with M4 screws.



2. Attach the switch to the rack using M6 screws and cage nuts.

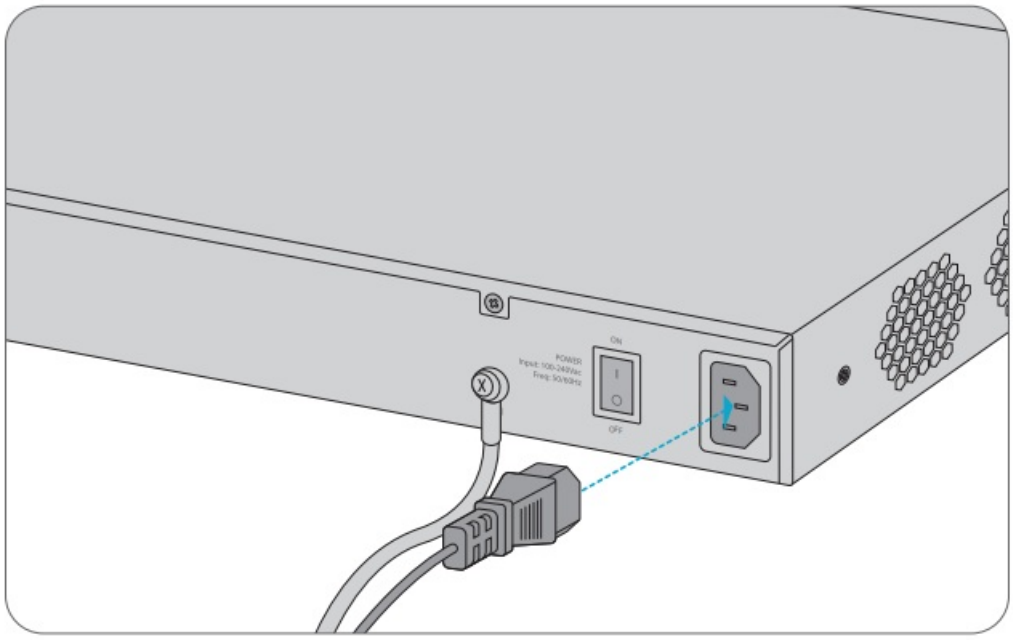
Grounding the Switch



1. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the switch is mounted.
2. Secure the grounding lug to the grounding point on the switch back panel with the washers and screws.

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

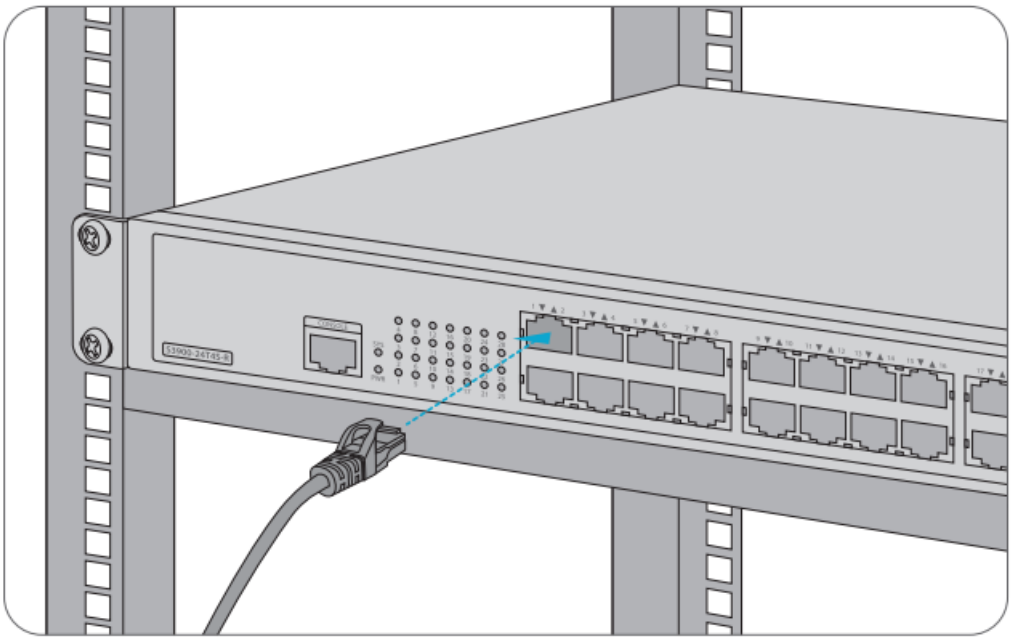
Connecting the Power



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.

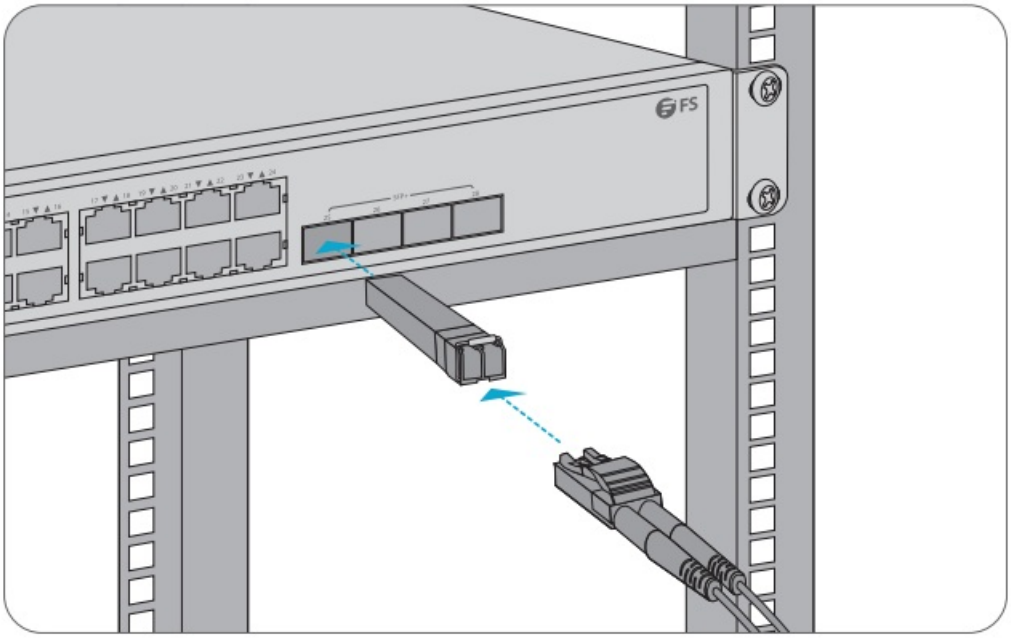
WARNING: Do not install power cable while the power is on.

Connecting 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.

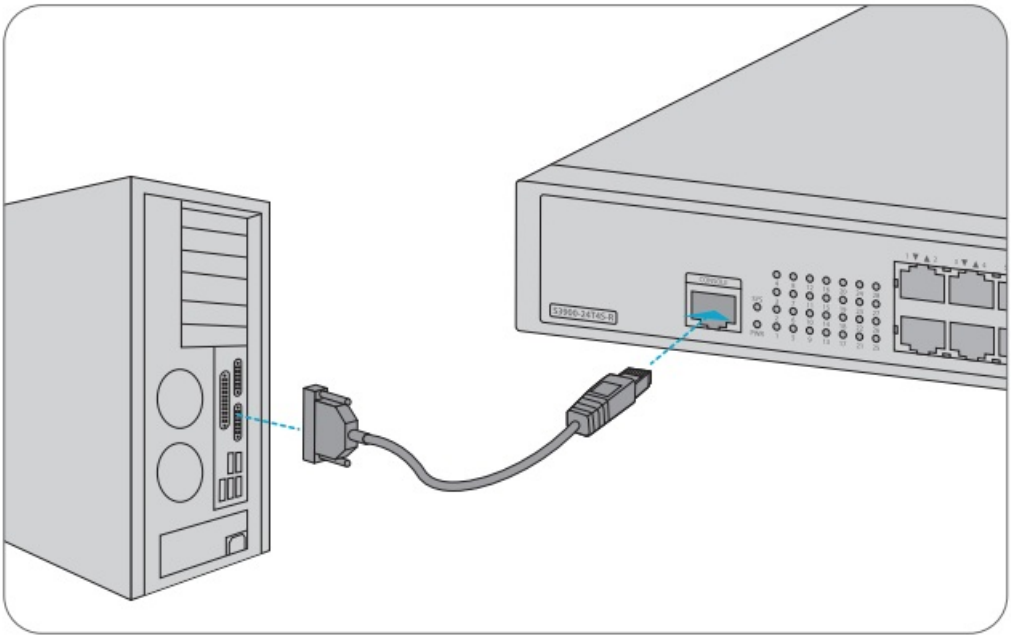
Connecting the SFP+



1. Plug the compatible SFP+/SFP transceiver into the SFP+ port.
2. Connect a fiber optic cable to the fiber transceiver. Then connect the other end of the cable to another fiber device.

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

Connecting the Console Port

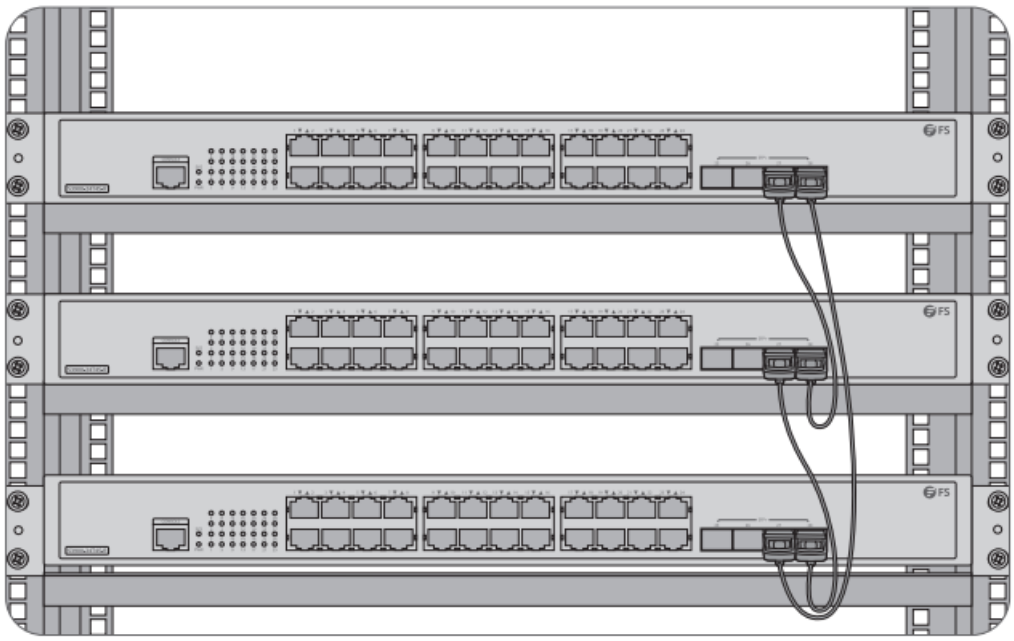


1. Insert the RJ45 connector into the RJ45 console port on the front of the switch.
2. Connect the DB9 female connector of the console cable to RS-232 serial port on the computer.

Stacking the S3900 Series Switches

S3900-24T4S-R&S3900-24F4S-R support 8 units hybrid-stacking together. S3900-48T6S-R supports 6 units stacking between same models. Switches can be physically stacked using optical fiber cables connected to SFP+

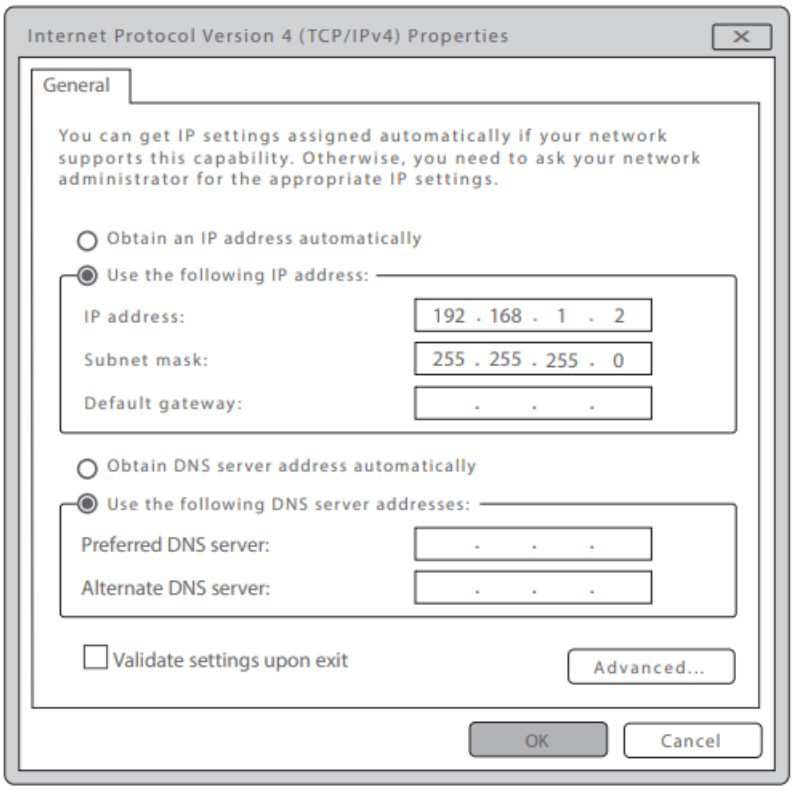
transceivers, or 10G Direct Attach Cables (DAC). All SFP+ ports on the switch can be used for physical stacking.



Configuring the Switch

Configuring the Switch Using the Web-based Interface

Step 1: Connect your computer to any Ethernet port of the switch using the network cable.
Step 2: Set the IP address of the computer to 192.168.1.x. (“x” is any number from 2 to 254.)

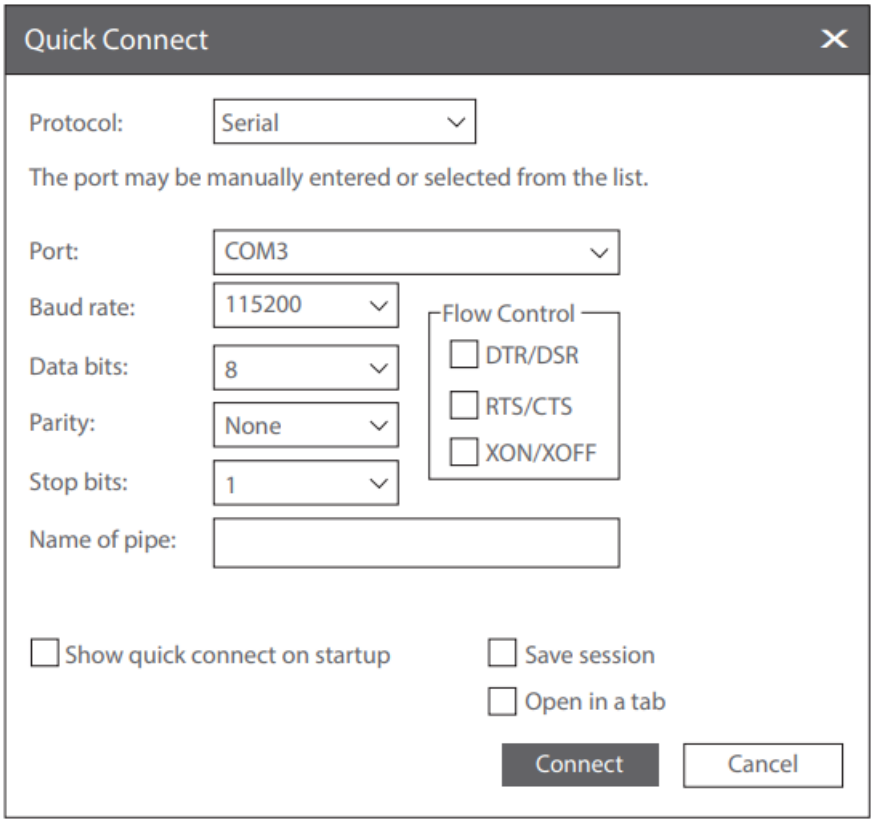


Step 3: Open a browser, type **http://192.168.1.1**, and enter the default username and password.
Step 4: Click Login to display the web-based configuration page.

Configuring the Switch Using the Console Port

Step 1: Connect a computer to the switch’s console port using the supplied console cable.

Step 2: Start the terminal simulation software such as HyperTerminal on the computer.
Step 3: Set the parameters of the HyperTerminal: 115200 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.



Troubleshooting

1/10G Port is not Working
In the case of compatible cables and transceivers, the port cannot be up, please try to modify the port mode to adapt or force the port speed to 1G/10G.
Connecting the Switch Remotely Unsuccessfully

1. Test network connectivity through ping.
2. If the network is reachable, try restarting the switch.
3. Check if the corresponding service is enabled.

The Port is not Working, the LED Indicator is Off

1. Ensure the switch ports are in the no shutdown state.
2. Check if the switch can read the DDM information.
3. Check if the port speed setting is correct.
4. Try looping the switch cable.

Support and Other 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: S3900 Series Switches enjoy 4 years limited warranty against 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

Compliance Information

FCC

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Responsible party (only for FCC matter)

FS.COM Inc.

380 Centerpoint Blvd, New Castle, DE 19720, United States

https://www.fs.com

FS.COM GmbH hereby declares that this device is in compliance with the Directive 2014/30/EU and 2014/35/EU. A copy of the EU Declaration of Conformity is available at **www.fs.com/company/quality_control.html**

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Q.C. PASSED

Documents / Resources

FS COM S3900 24-Port Gigabit Ethernet L2+ Switch [pdf] User Guide
S3900, 24-Port Gigabit Ethernet L2 Switch, Gigabit Ethernet L2 Switch, 24-Port L2 Switch, L2 Switch, Switch