

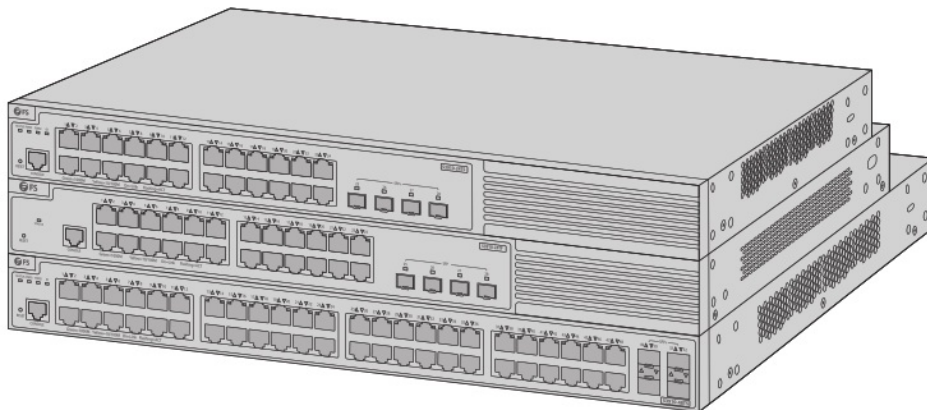


FS S3910 Series Managed L2+ Gigabit Switches User Guide

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S3910 Series Managed L2+ Gigabit Switches User Guide

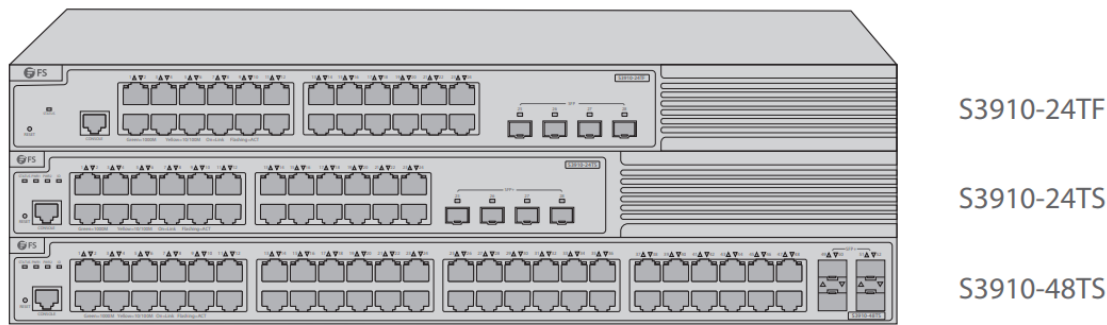


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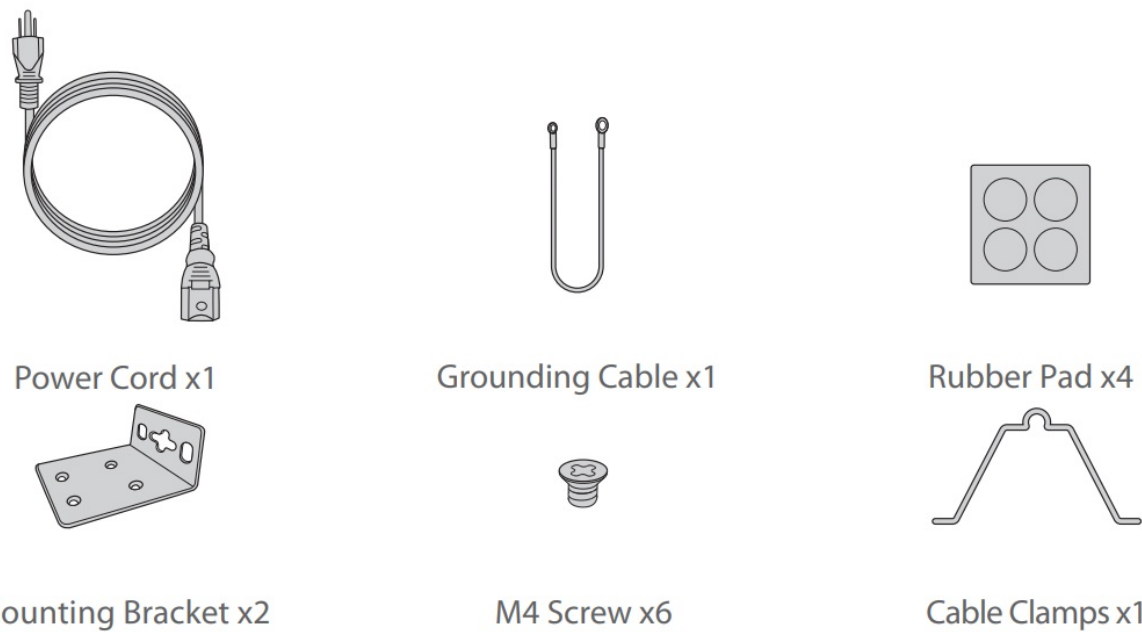
Introduction

Thank you for choosing S3910 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.

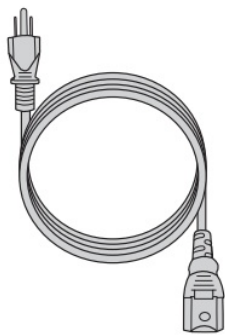


Accessories

S3910-24TF



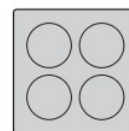
S3910-24TS/S3910-48TS



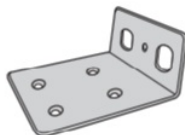
Power Cord x2



Grounding Cable x1



Rubber Pad x4



Mounting Bracket x2



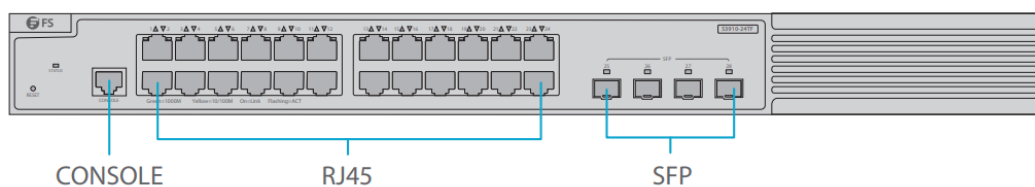
M4 Screw x8

NOTE: S3910 series switches have dust plugs delivered with them. Keep the dust plugs properly and use them to protect idle optical ports.

Hardware Overview

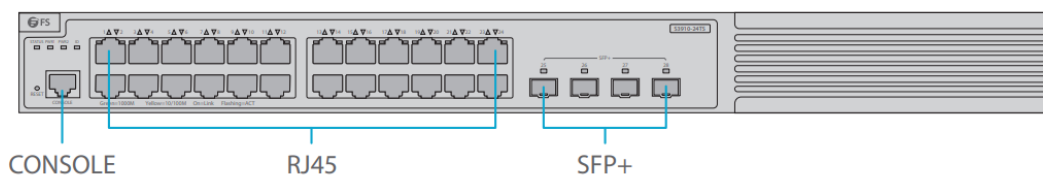
Front Panel Ports

S3910-24TF

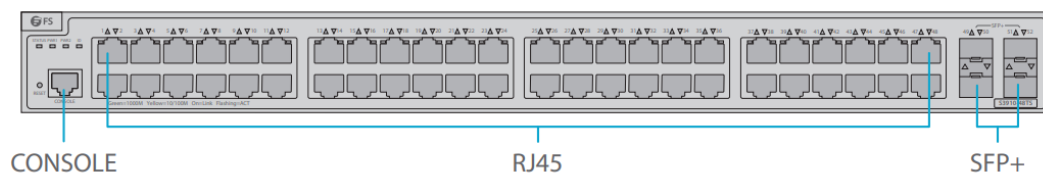


Ports	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP	SFP ports for 1G connection
CONSOLE	An RJ45 console port for serial management

S3910-24TS



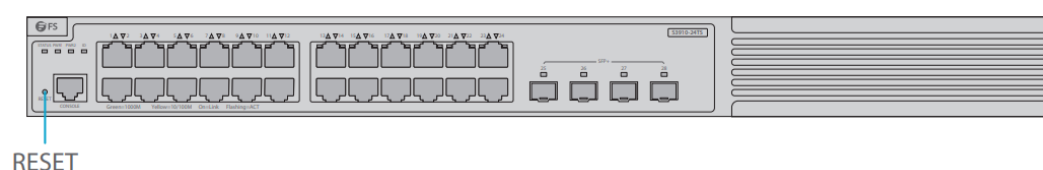
S3910-48TS



Ports	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP+	SFP+ ports for 1/10G connection
CONSOLE	An RJ45 console port for serial management

Front Panel Button

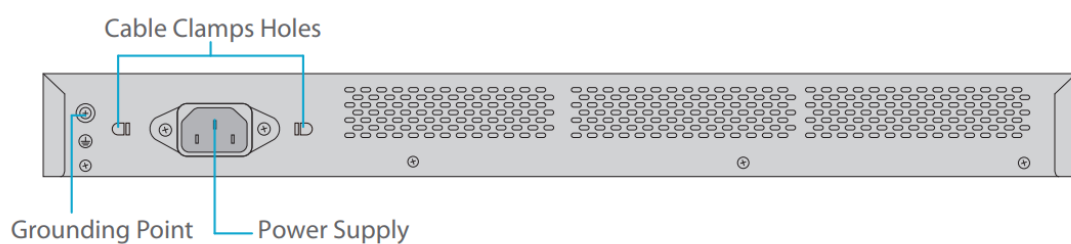
S3910-24TF/S3910-24TS/S3910-48TS



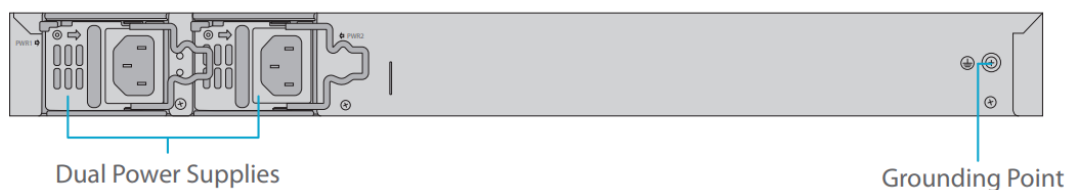
Button	Description
RESET	Restart: Press and hold the RESET button for more than five seconds, and then wait for ten seconds.

Back Panels

S3910-24TF

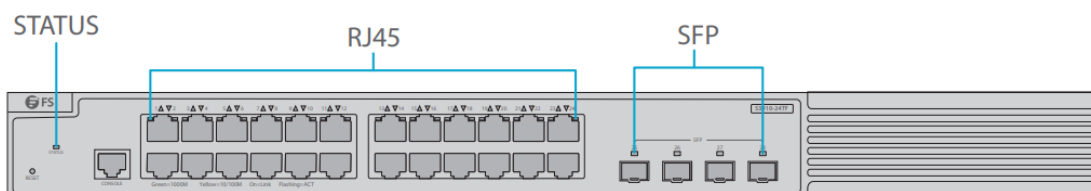


S3910-24TS/S3910-48TS



Front Panel LEDs

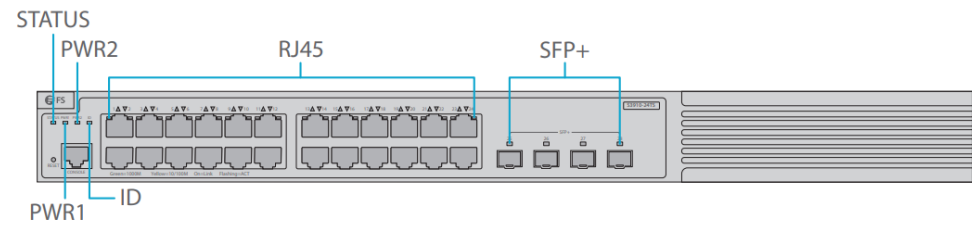
S3910-24TF



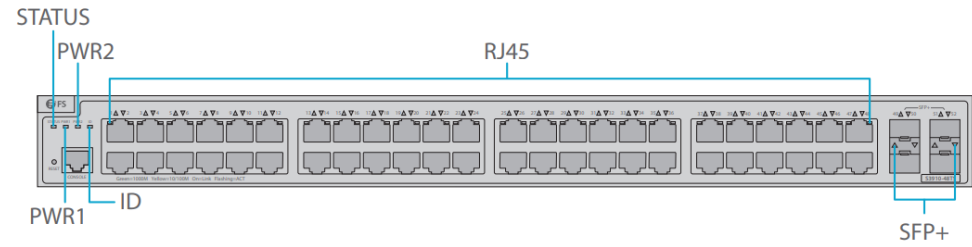
LEDs	Status	Description
STATUS	Off	Switch is not receiving power.
	Blinking Green	System is being initialized.
	Solid Green	Switch is operational.
	Solid Red	1. Severe temperature warning: The temperature severely exceeds the temperature limit, so the system is going to restart. 2. The switch is faulty.

LEDs	Status	Description
RJ45	Off	The port is not connected.
	Solid Green	The port is connected at 1000 Mbps.
	Solid Yellow	The port is connected at 10/100 Mbps.
	Blinking Green	The port is receiving or transmitting traffic at 1000 Mbps.
	Blinking Yellow	The port is receiving or transmitting traffic at 10/100 Mbps.
SFP	Off	The port is not connected.
	Solid Green	The port is connected.
	Blinking Green	The port is receiving or transmitting traffic.

S3910-24TS



S3910-48TS



LEDs	Status	Description
STATUS	Off	Switch is not receiving power.
	Blinking Green	System is being initialized.
	Solid Green	Switch is operational.
	Solid Yellow	Moderate temperature warning: Check the working environment of the switch immediately.
	Solid Red	1. Severe temperature warning: The temperature severely exceeds the temperature limit, so the system is going to restart. 2. The switch is faulty.
PWR1/PWR2	Off	No power supply module is connected.
	Solid Green	A power supply is connected and able to work.
	Solid Red	A redundant power supply fails or no AC cable is connected.
ID	Off	Locating is disabled.
	Solid Blue	Locating is enabled. Operation and maintenance staff turn on and off the LED remotely.
RJ45	Off	The port is not connected.
	Solid Green	The port is connected at 1000 Mbps.
	Blinking Green	The port is receiving or transmitting traffic at 1000 Mbps.
	Solid Yellow	The port is connected at 10/100 Mbps.
	Blinking Yellow	The port is receiving or transmitting traffic at 10/100 Mbps.
SFP+	Off	The port is not connected.
	Solid Green	The port is connected.
	Blinking Green	The port is receiving or transmitting traffic.

Installation Requirements

Before you begin the installation, make sure that you have the followings:

- Phillips screwdriver.
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables, fiber optical cables and console cable for connecting network devices.

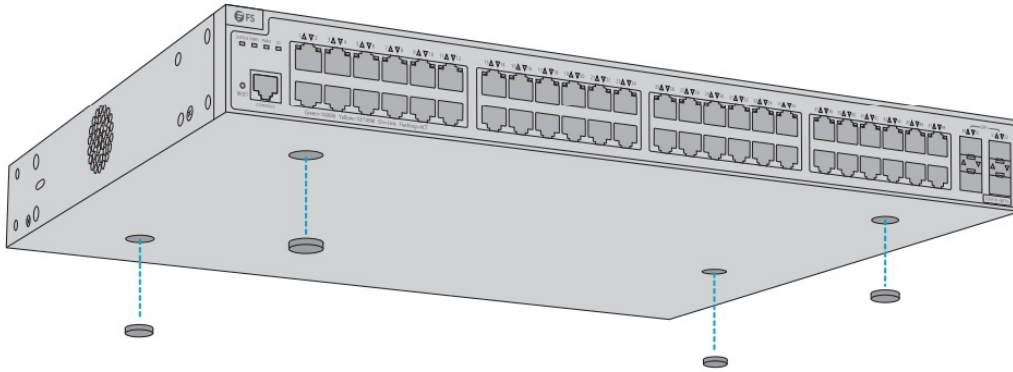
Site Environment:

- 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 airflow around the switch.
- The switch should be installed at least 1U (44.45mm) away from devices to its sides.
- 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.

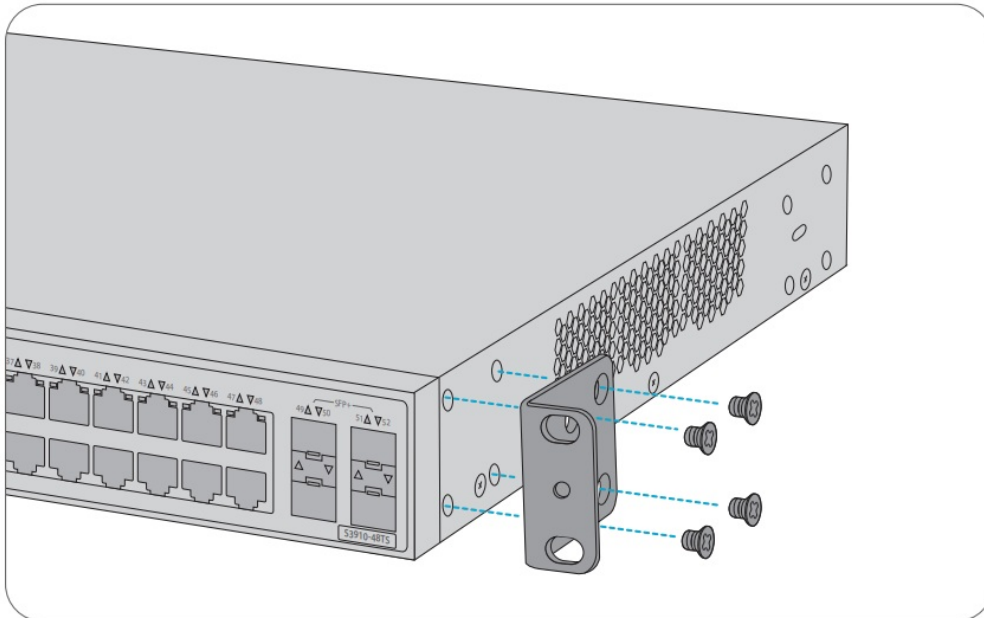
Mounting the Switch

Desk Mounting

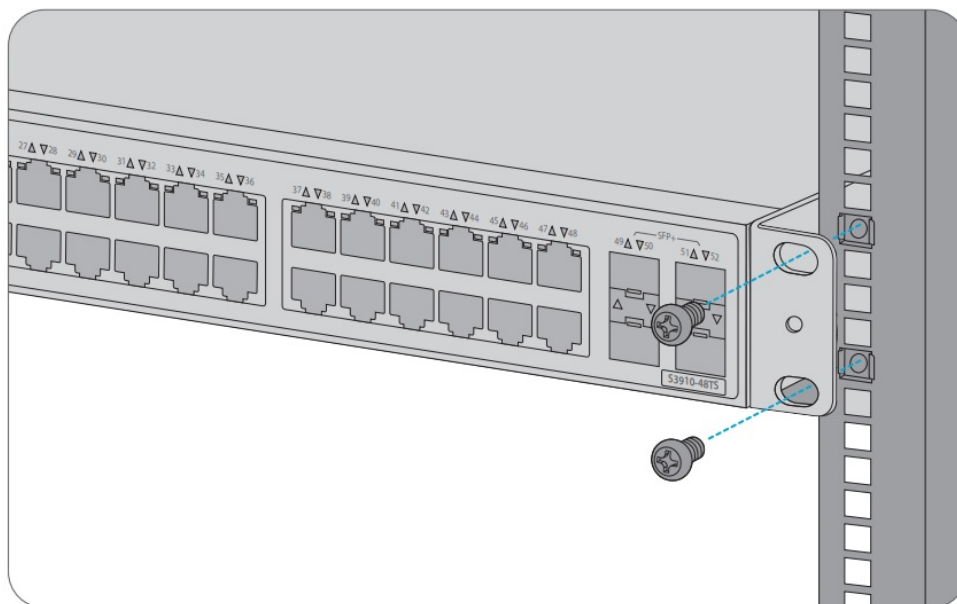


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

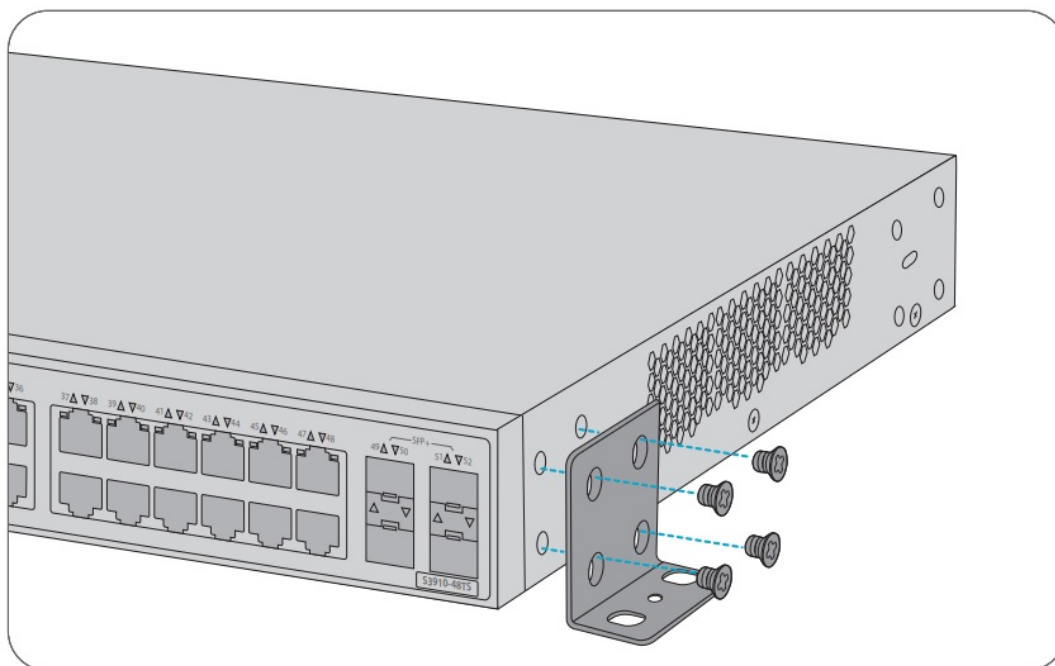


1. Secure the mounting brackets to the two sides of the switch with the supplied M4 screws.

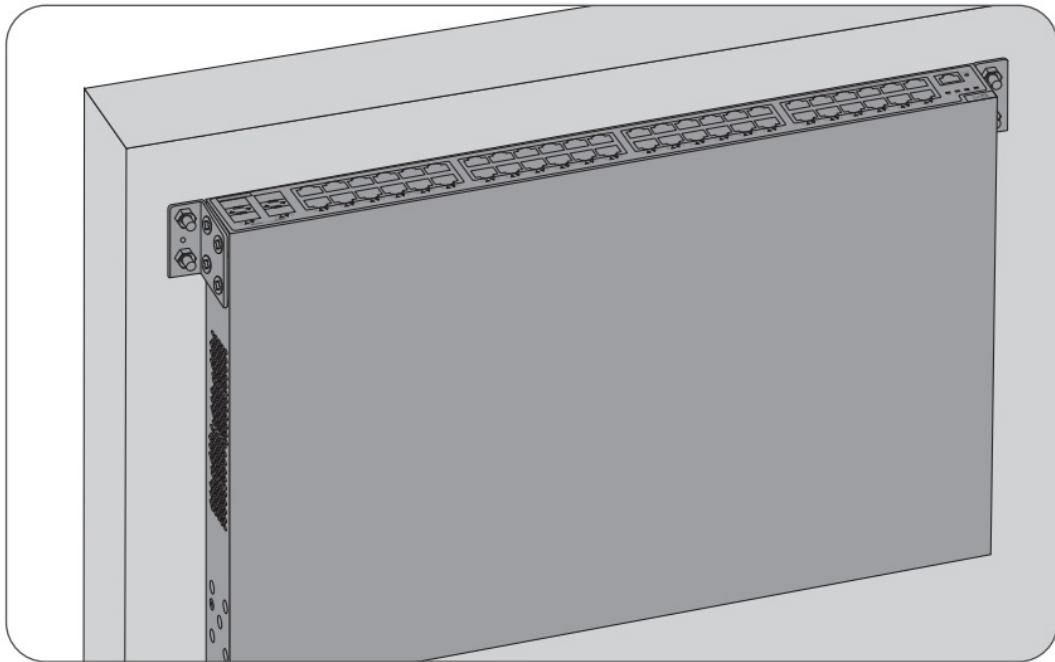


2. Attach the switch to the rack using four M6 screws and cage nuts.

Wall Mounting



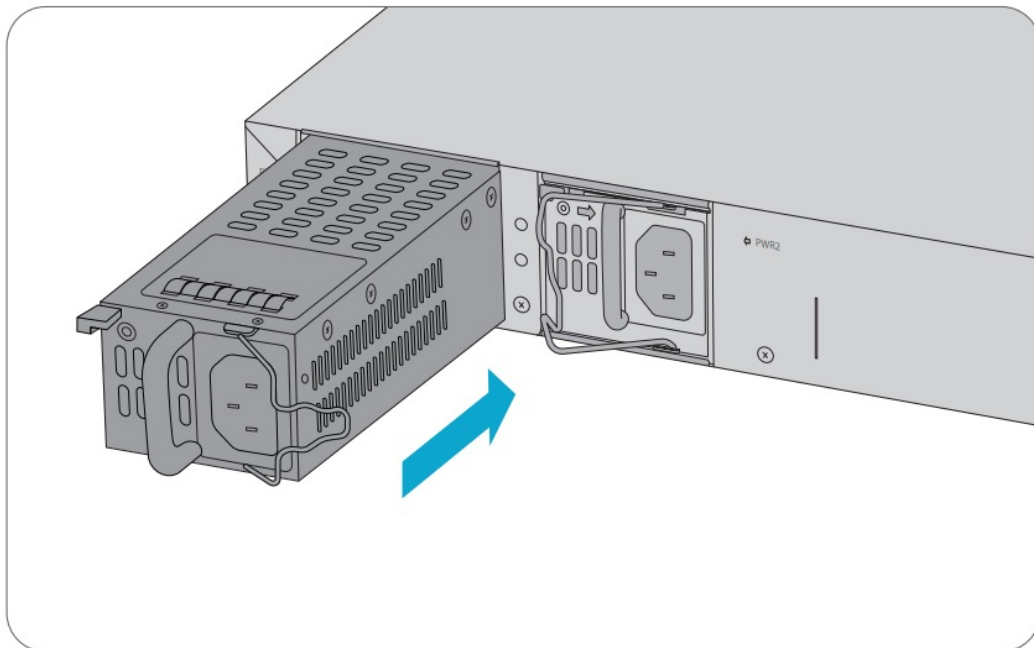
1. Attach the mounting brackets to the switch with the supplied M4 screws.



2. Use the expansion screws to securely attach the mounting brackets on the wall.

NOTE: Suitable for mounting on concrete or other non-combustible surface only.

Installing the Power Supply Module S3910-48TS/S3910-24TS

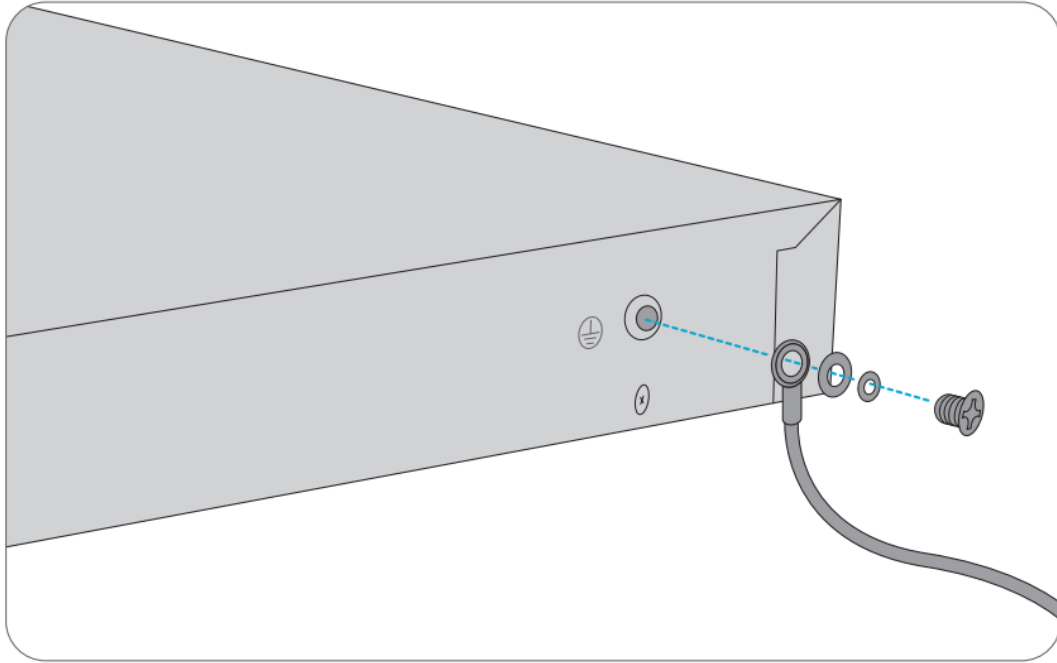


1. Take a new power module out of the package.
2. Take the plane printed with power information as the top panel of the power module. Hold the handle of the power module with one hand, and hold the end of the power module with the other hand. Insert it into the chassis along the guide rail steadily and slowly until a click is heard, and make sure that it is in good contact with the power slot.

NOTE:

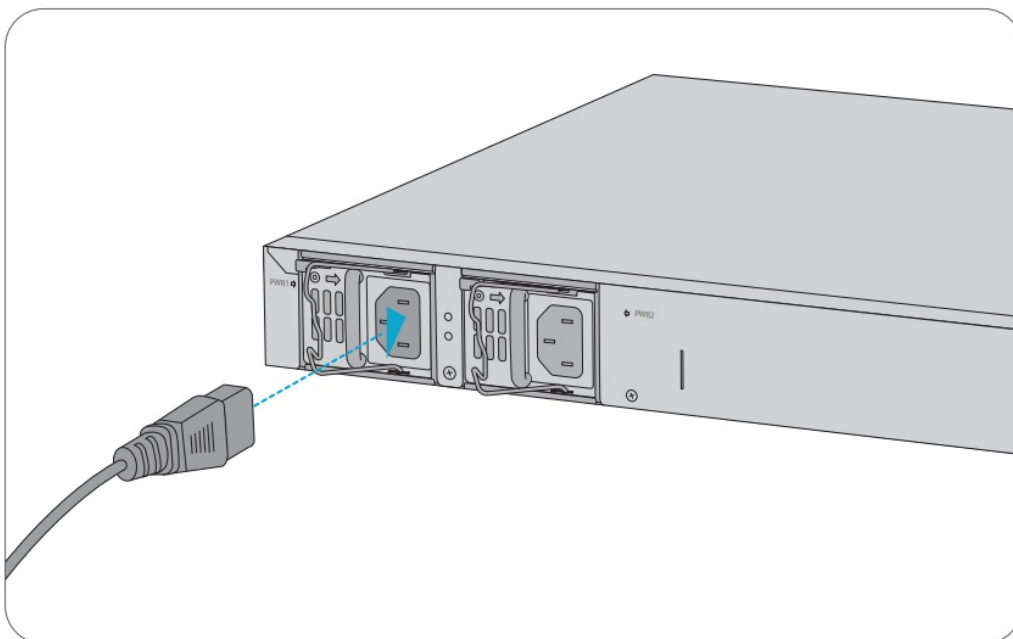
1. S3910-24TF switch has one built-in power supply.
2. Insert the power module steadily. Please pay attention to the direction of the power panel to avoid wrong insertion. If the position is not proper, press the plug of the power module and hold on to the module handle with one hand to pull it out slowly, then re-insert it.

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.

Connecting the Power



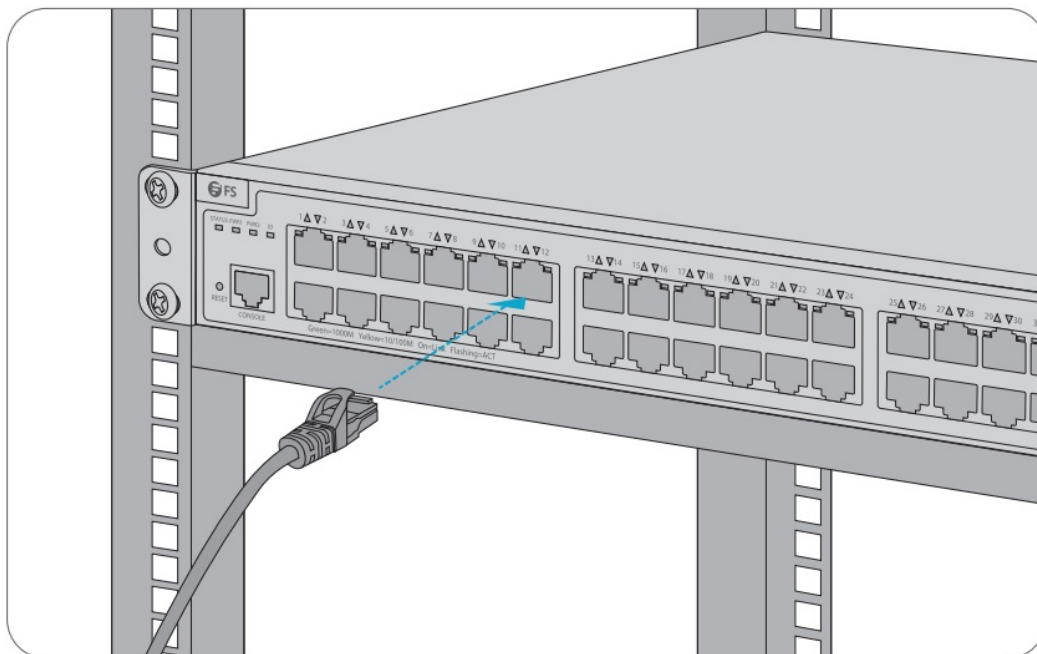
1. Plug the AC power cord into the power port on the back of the switch.

2. Connect the other end of the power cord to an AC power source.



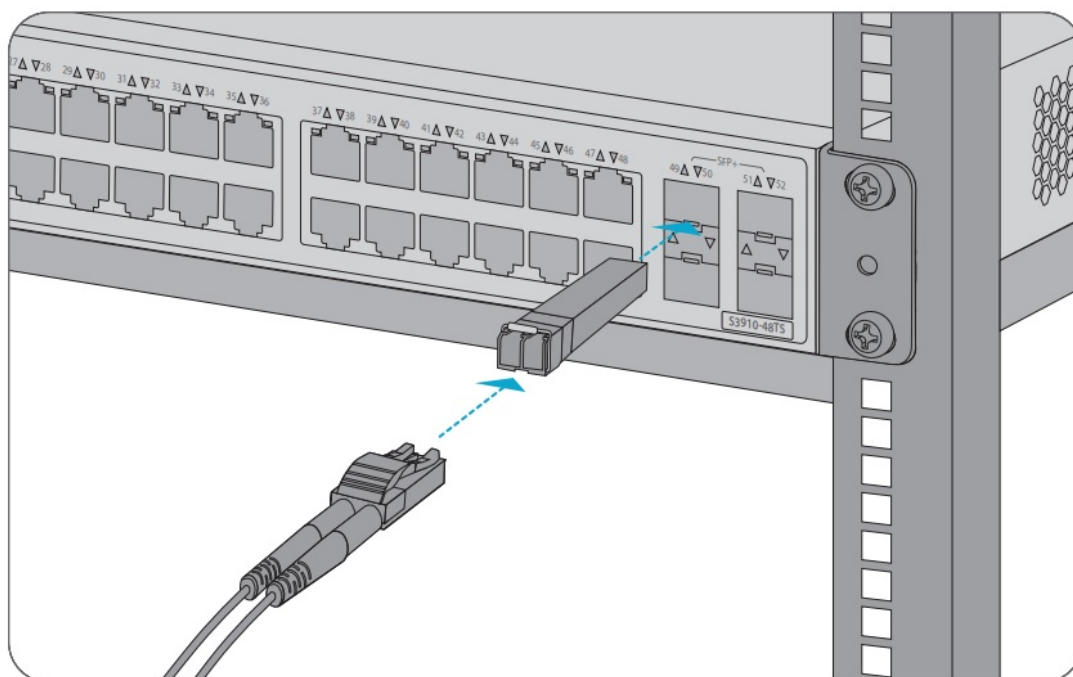
WARNING: Do not install power cable while the power is on.

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.

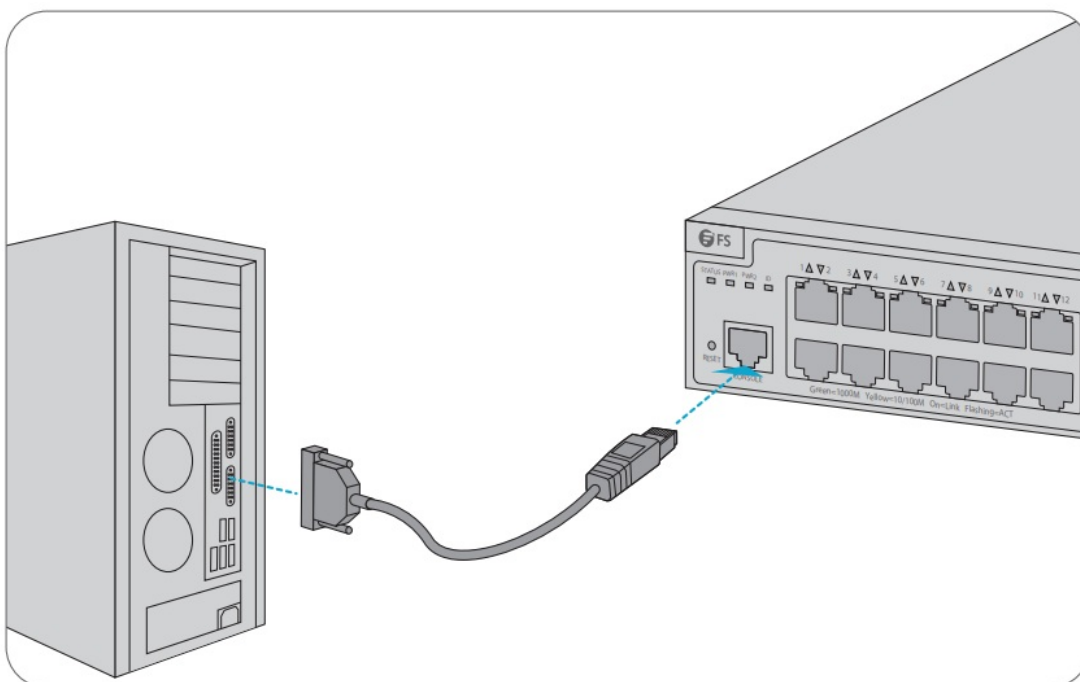
Connecting the SFP/SFP+ Ports



1. Plug the compatible SFP/SFP+ transceiver into the SFP/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.

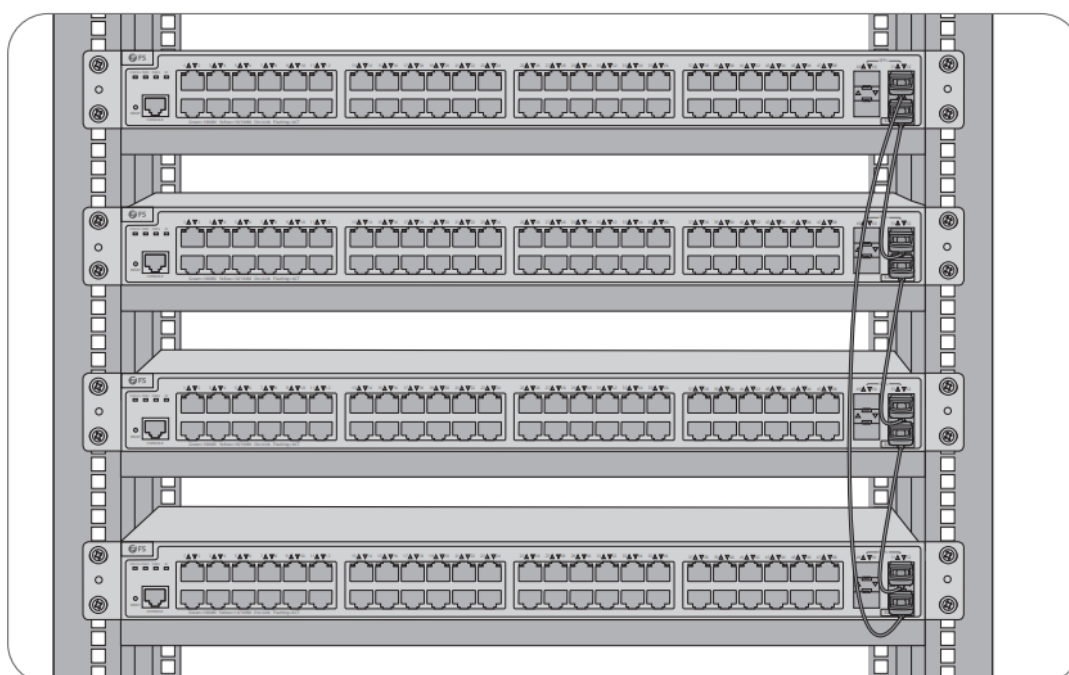
Connecting the Console Port



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 the serial port on the computer.

Stacking the Switches

The S3910 series switches support stacking up to 4 units. Switches in the series can be physically stacked using optical fiber cables connected to SFP/SFP+ transceivers or 1/10G Direct Attach Cables (DAC).



 **NOTE:**

1. S3910-24TF switch supports stacking with the same models together. S3910-24TS/S3910-48TS switches support stacking with each other.
2. S3910-48TS switch only supports port 51 & 52 for physical stacking.

Configuring the Switch

Configuring the Switch Using the Web-based Interface

Step 1: Connect the computer to the business 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.)

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 1 . 2

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . .

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: . . .

Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

Step 3: Open a browser, type <http://192.168.1.1>, and enter the default username and password, **admin/admin**.



The image shows a web-based login page for a device labeled 'FS'. At the top center is the 'FS' logo, which consists of a stylized 'F' inside a circle followed by the letters 'FS'. Below the logo, a message states: 'IE 8/9/10/11, Google Chrome, Firefox are supported'. There are two input fields: the first contains the text 'admin', and the second contains six asterisks '*****' to represent a password. Below these fields is a dark grey button with the word 'Login' in white text.

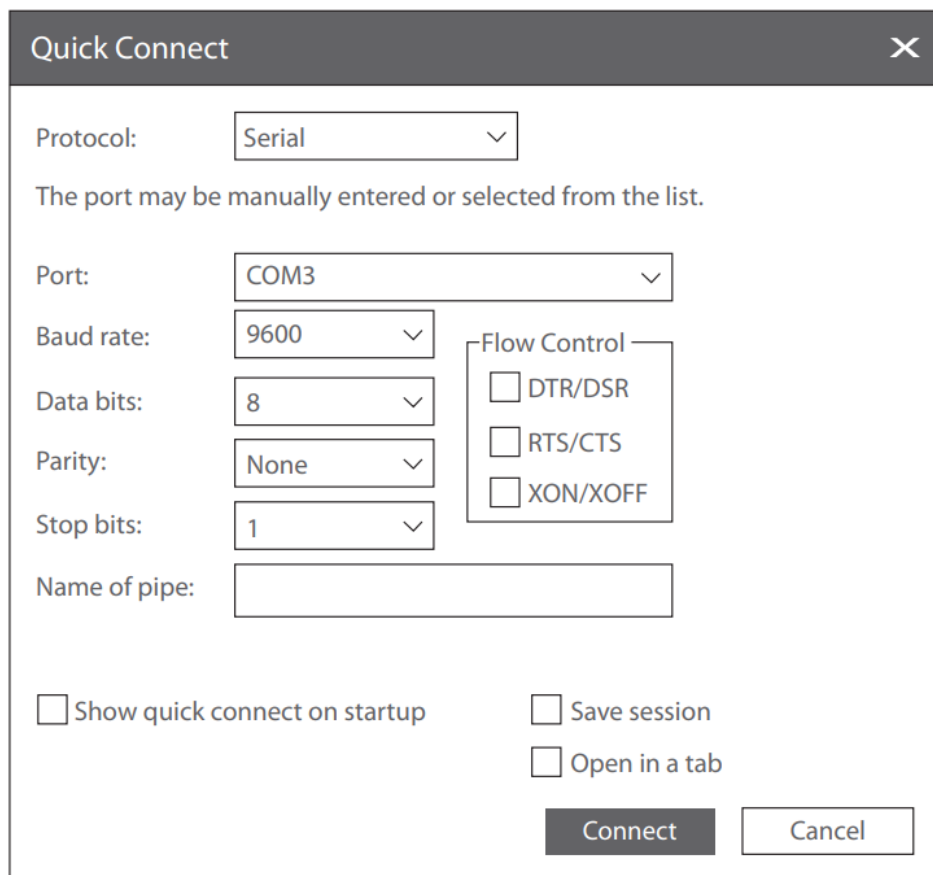
Step 4: Click Login to display the web-based configuration page.

Configuring the Switch Using the Console Port

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

Step 2: Start the terminal simulation software such as HyperTerminal on the computer.

Step 3: Set the parameters of the HyperTerminal: 9600 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.



The image shows a 'Quick Connect' dialog box with a title bar and a close button (X). The dialog contains the following fields and options:

- Protocol:** A dropdown menu set to 'Serial'.
- The port may be manually entered or selected from the list.**
- Port:** A dropdown menu set to 'COM3'.
- Baud rate:** A dropdown menu set to '9600'.
- Data bits:** A dropdown menu set to '8'.
- Parity:** A dropdown menu set to 'None'.
- Stop bits:** A dropdown menu set to '1'.
- Name of pipe:** An empty text input field.
- Flow Control:** A group box containing three unchecked checkboxes: 'DTR/DSR', 'RTS/CTS', and 'XON/XOFF'.
- Options:** Two unchecked checkboxes at the bottom left: 'Show quick connect on startup' and 'Save session'.
- Options:** Two unchecked checkboxes at the bottom right: 'Open in a tab' and 'Save session'.
- Buttons:** Two buttons at the bottom right: 'Connect' and 'Cancel'.

Step 4: After setting the parameters, click Connect to enter.

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 1/10G.

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/products_support.html
- Help Center https://www.fs.com/service/fs_support.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: S3910 Series Switches enjoy 5 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

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- [!\[\]\(43c6e08c5a1618d745b54da5c843274e_img.jpg\) Quality Certification - FS.com](#)
- [!\[\]\(f5ee48910650695cea680b2433c1d60d_img.jpg\) Ein weltweit führender Anbieter von Hochgeschwindigkeits-Konnektivitätsgeräten und -lösungen. - FS.com Deutschland](#)
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Manuals+