

Contents [[hide](#)]

- [1 FS S3410-24TS-P Gigabit Ethernet Port](#)
- [2 Product Specifications](#)
- [3 Product Usage Instructions](#)
- [4 Installation Requirements](#)
- [5 Mounting the Switch](#)
- [6 FAQs](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)



FS S3410-24TS-P Gigabit Ethernet Port



Product Specifications

- Model: S3410-24TS-P
- Compliance: FCC, CE, UKCA, ISED, WEEE, WEEE
- Directives: 2014/30/EU, 2014/35/EU, 2011/65/EU, (EU)2015/863, SI 2016 No. 1091, SI 2016 No. 1101, SI 2012 NO. 3032, 2012/19/EU
- Grounding: Must be grounded

- Battery: Lithium Battery (Warning included)

Product Usage Instructions

Safety and Compliance Information

Ensure compliance with FCC, CE, UKCA, ISED regulations. Do not modify the device without approval.

Grounding

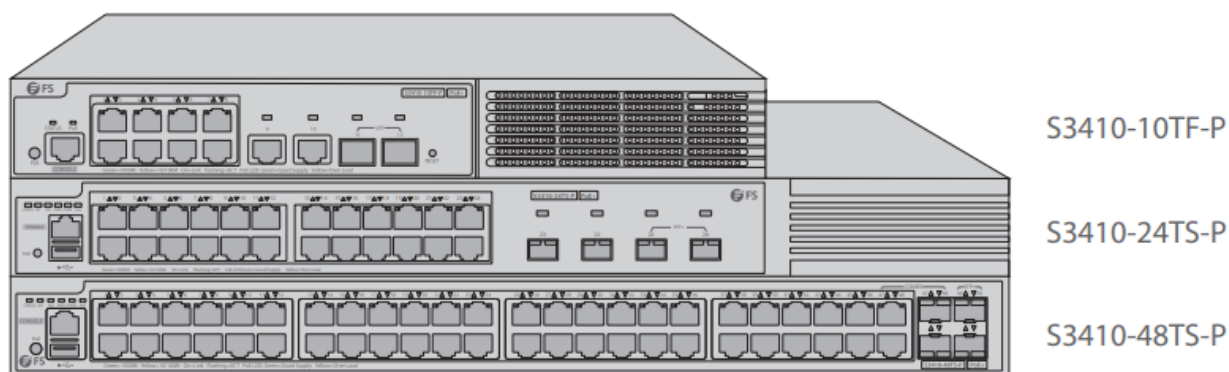
Always ground the equipment to prevent electrical hazards. Never operate without proper grounding.

Lithium Battery Warning

Handle the lithium battery with caution. Follow proper disposal guidelines for lithium batteries.

Introduction

Thank you for choosing S3410 Series Managed PoE+ Switches. This guide is designed to familiarize you with the layout of the switch and describes how to deploy the switch in your network.



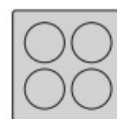
Accessories



Power Cord x1



Grounding Cable x1



Rubber Pad x4



Mounting Bracket x2



Cable Clamps x1



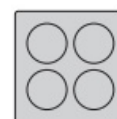
M4 Screw x6



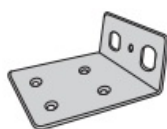
Power Cord x2



Grounding Cable x1



Rubber Pad x4



Mounting Bracket x2



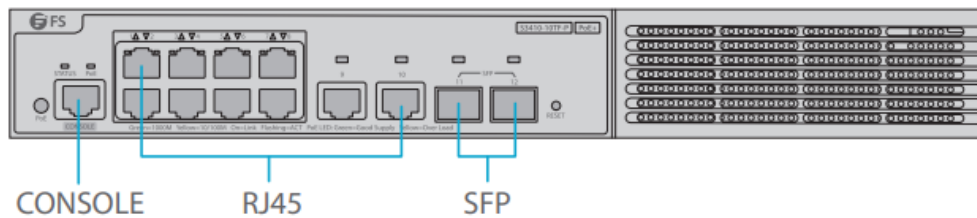
M4 Screw x8

NOTE: S3410 series PoE+ 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

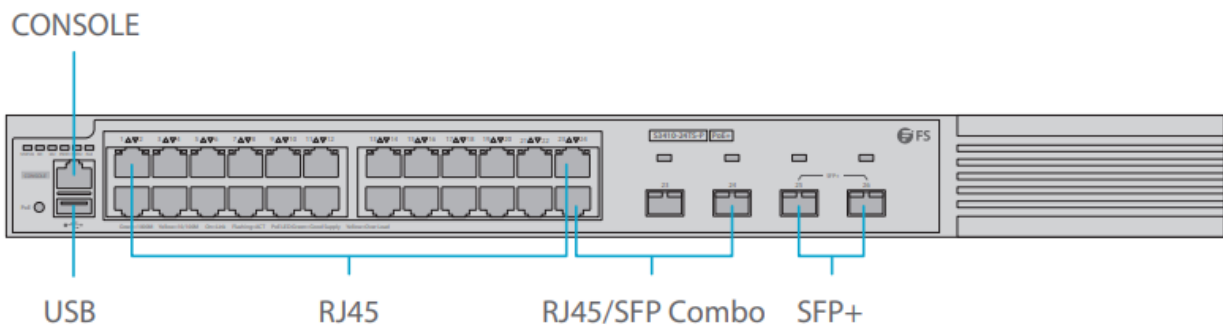
S3410-10TF-P



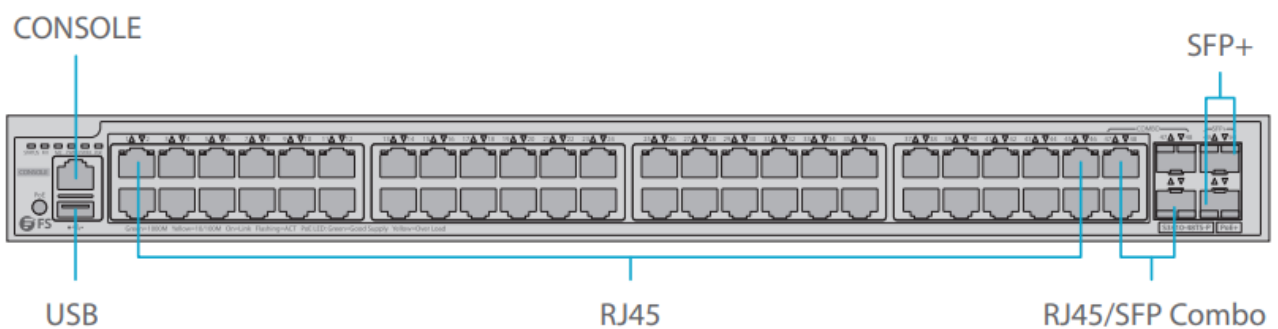
Ports Description

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

S3410-24TS-P



S3410-48TS-P



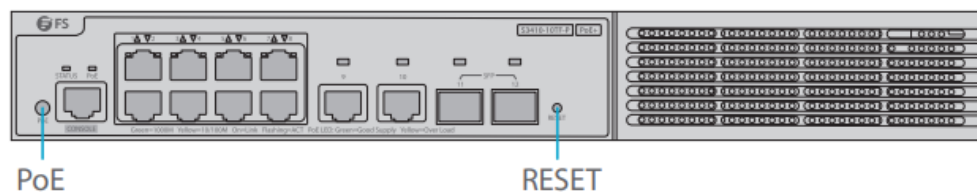
Ports Description

- **RJ45** 10/100/1000BASE-T ports for Ethernet connection
- **RJ45/SFP Combo** One RJ45 port and one SFP slot, with one port active at a time
- **SFP+** SFP+ ports for 1/10G connection
- **USB** Reserved

- **CONSOLE** An RJ45 console port for serial management

Front Panel Buttons

S3410-10TF-P

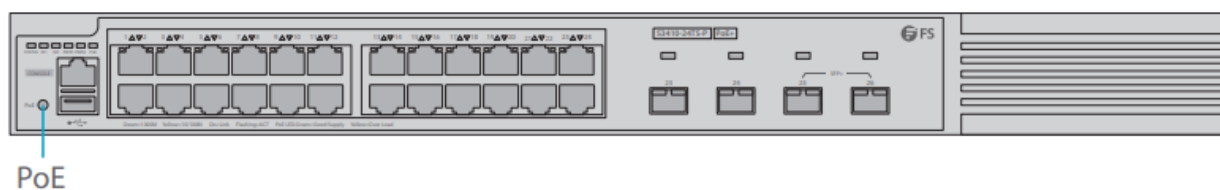


Button Description

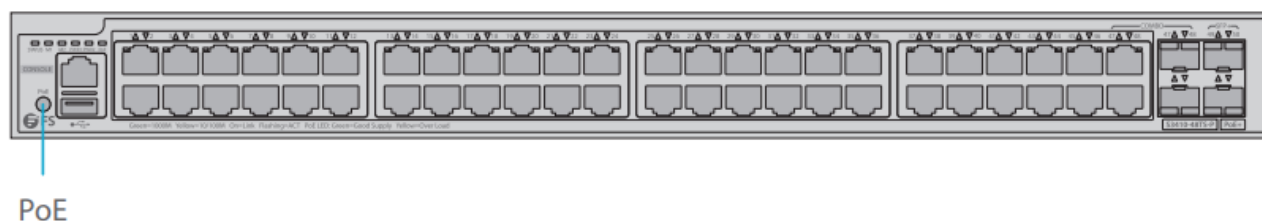
- **PoE** Switch The display mode between PoE mode and switch mode.
- **RESET** Restart: Press and hold the RESET button for more than five seconds, and then wait for ten seconds.

S3410-24TS-P

S3410-24TS-P



S3410-48TS-P

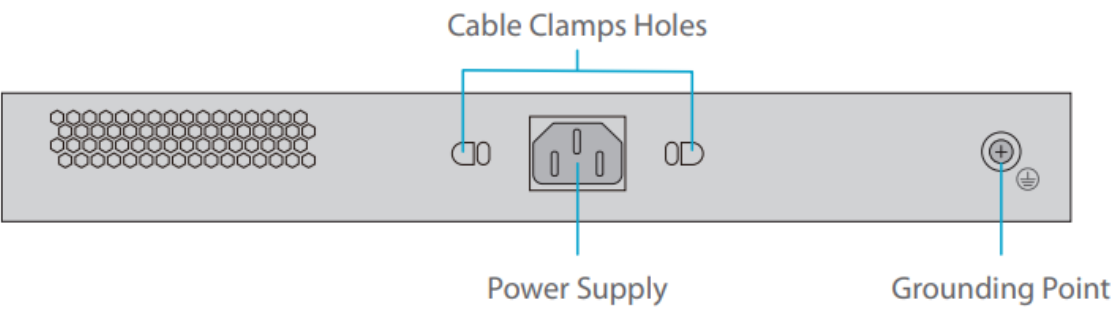


Button Description

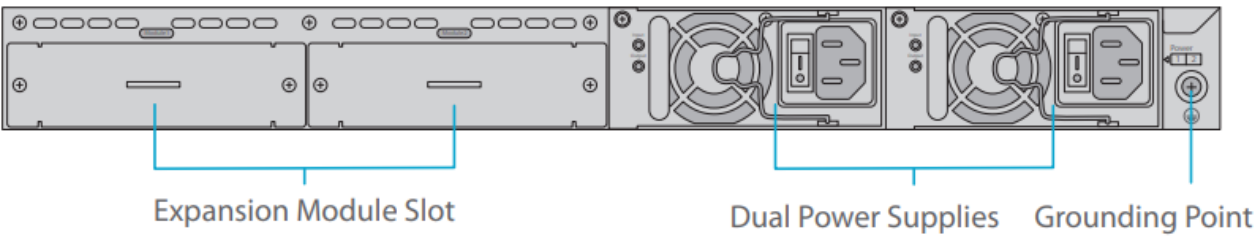
- **PoE** Switch The display mode between PoE mode and switch mode.

Back Panels

S3410-10TF-P

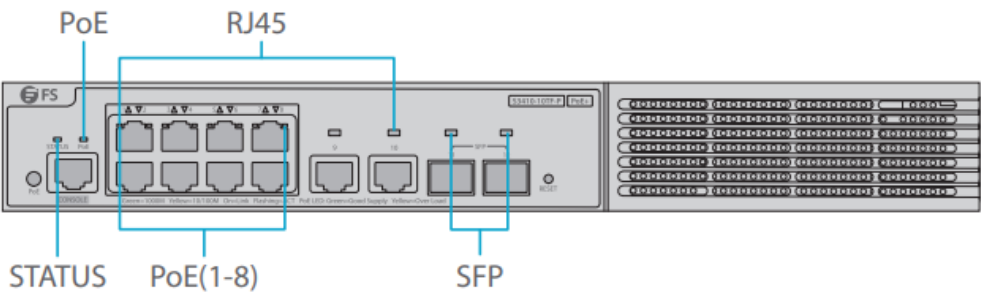


S3410-24TS-P/S3410-48TS-P

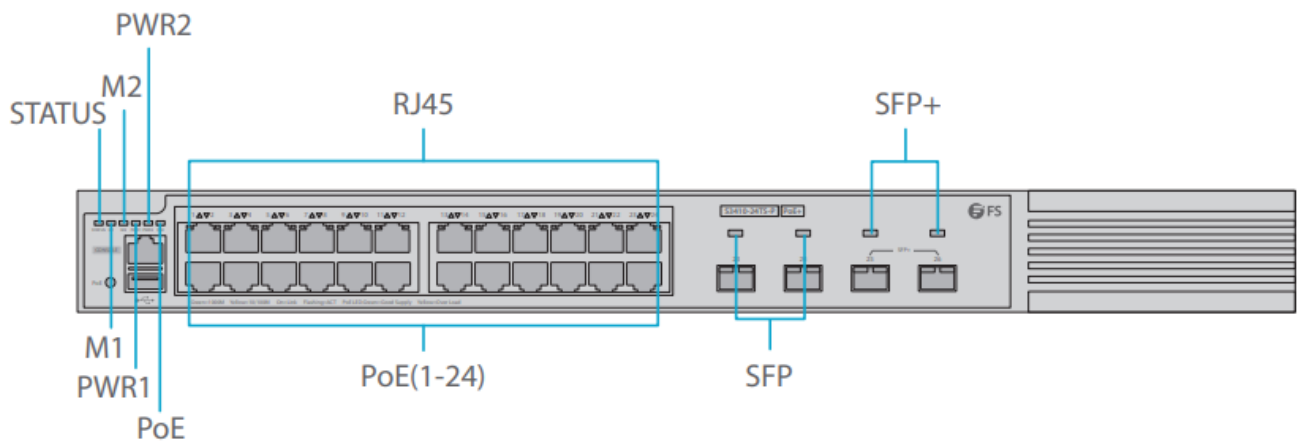


Front Panel LEDs

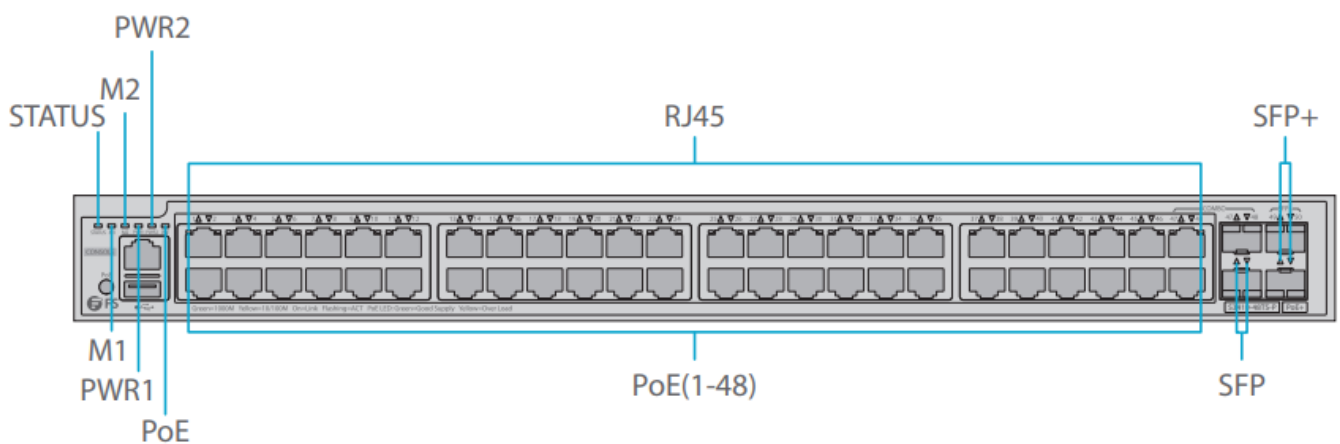
S3410-10TF-P



S3410-24TS-P



S3410-48TS-P



System LEDs (M1/M2, PWR1/PWR2, STATUS)

LED	Status	Description
Status	Off	The switch is not receiving power.
	Blinking Green	The system is initializing. Continuous blinking indicates errors.
	Solid Green	The switch is operational.
	Solid Yellow	Temperature warning – check the working environment of the switch.
	Solid Red	The switch is faulty.

LED	Status	Description
MI/M2	Off	No expansion module or incorrectly installed.
	Solid Green	The expansion module is correctly installed.
PWR1/PWR2	Off	The power module is not in place.
	Solid Red	The power module is in place but AC power cord or switch is abnormal.
	Solid Green	Power supply is operational.

Port LEDs (PoE, RJ45, SFP, SFP+)

PoE Ports (1–8 / 1–24 / 1–48)

LED	Status	Description
PoE	Solid Green	PoE is enabled. Port is operational.
	Solid Yellow	PoE fault (overload).
	Off	PoE is not enabled.

RJ45 Ports

LED	Status	Description
RJ45	Solid Green	Connected at 1000 Mbps.
	Blinking Green	Receiving or transmitting at 1000 Mbps.
	Solid Yellow	Connected at 10/100 Mbps.

LED	Status	Description
	Blinking Yellow	Receiving or transmitting at 10/100 Mbps.
	Off	Port is not connected.

SFP Ports

LED	Status	Description
SFP	Solid Green	Connected at 1000 Mbps.
	Blinking Green	Receiving or transmitting at 1000 Mbps.
	Solid Yellow	Connected at 100 Mbps.
	Blinking Yellow	Receiving or transmitting at 100 Mbps.
	Off	Port is not connected.

SFP+ Ports

LED	Status	Description
SFP+	Solid Green	Port is connected.
	Blinking Green	Port is receiving or transmitting at 10 Gbps.

Installation Requirements

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

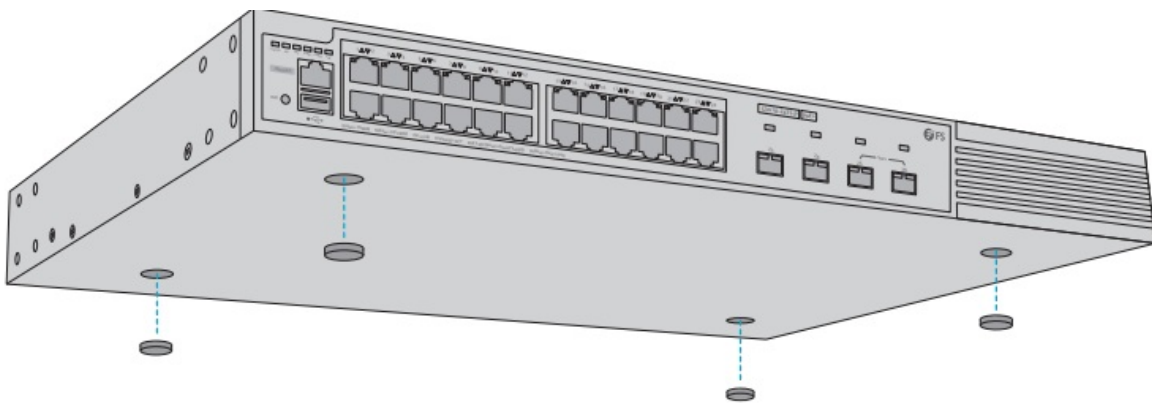
- Phillips screwdriver.
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables, fiber optical cables and console cable for connecting network devices.

Site Environment:

- Do not operate it in an area that exceeds an ambient temperature of 50°C.
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- 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.

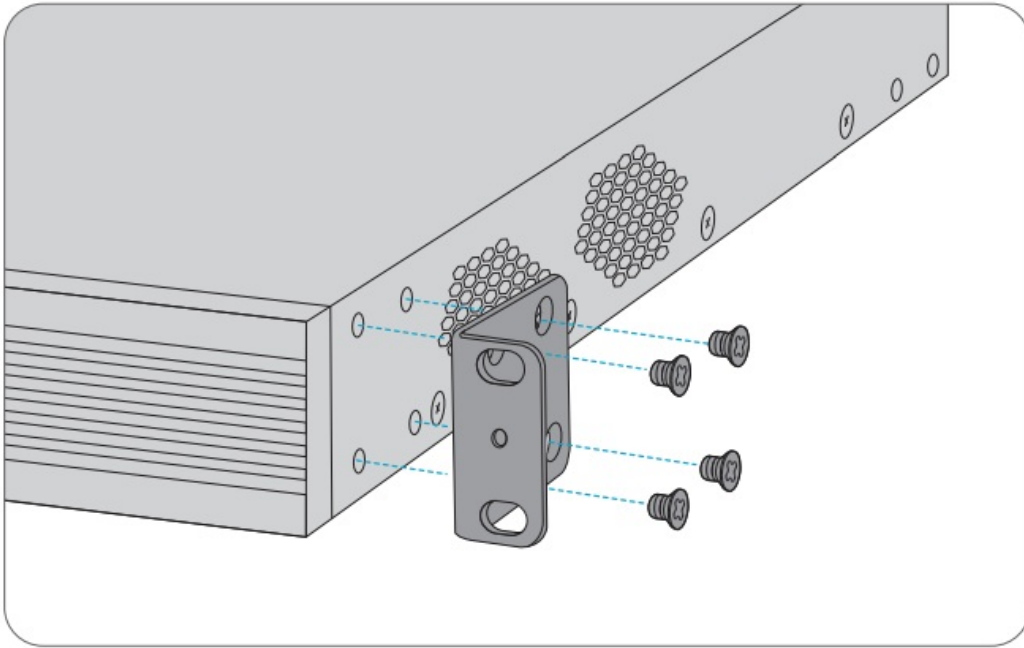
Mounting the Switch

Desk Mounting

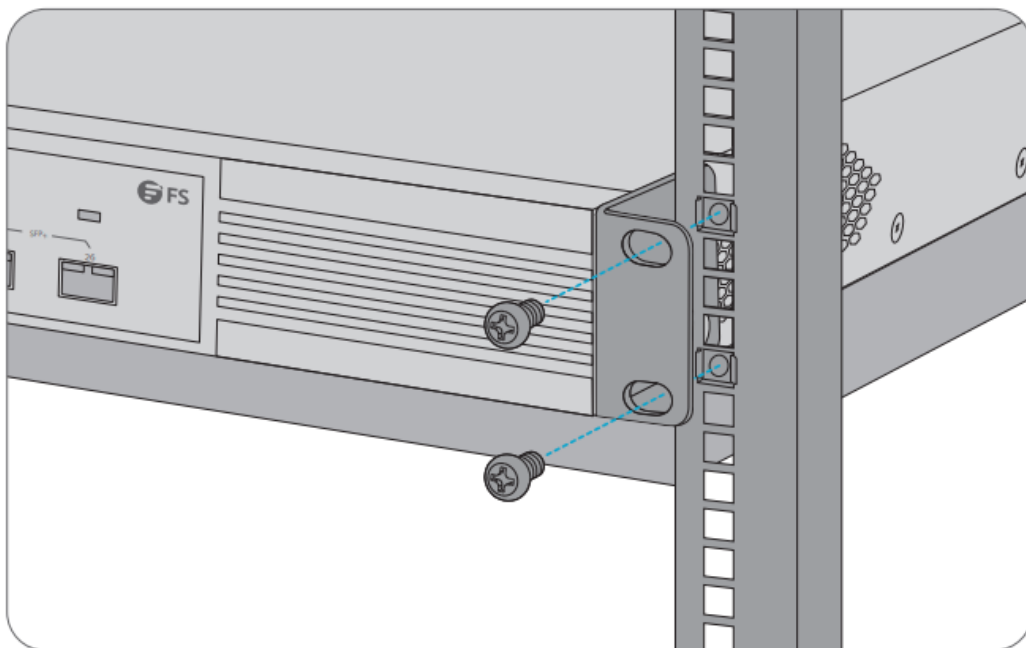


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

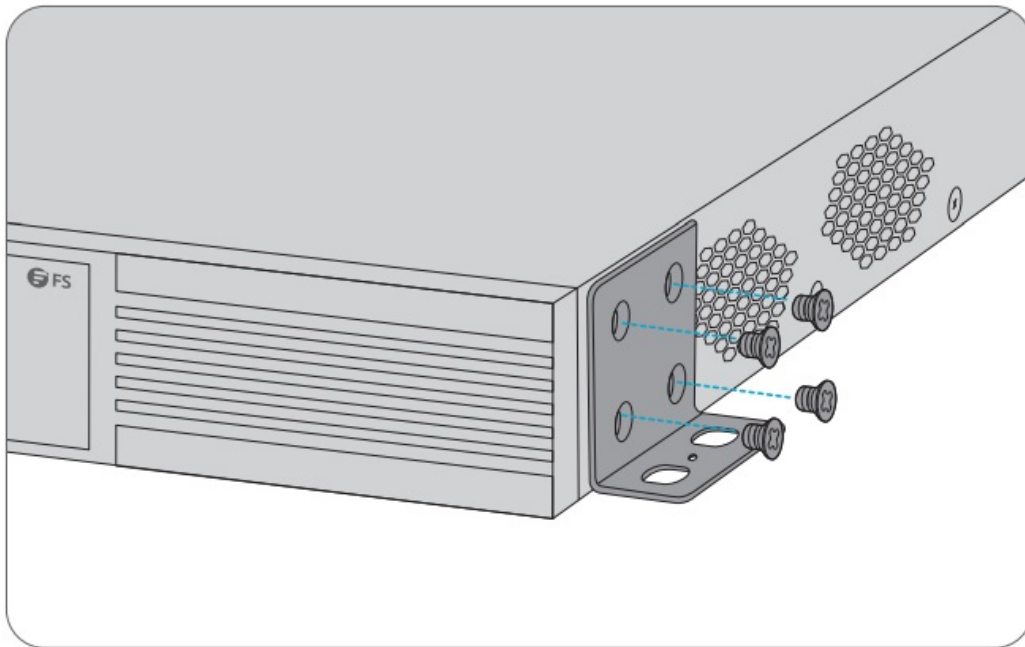


1. Secure the mounting brackets to the two sides of the switch with the supplied M4 screws.

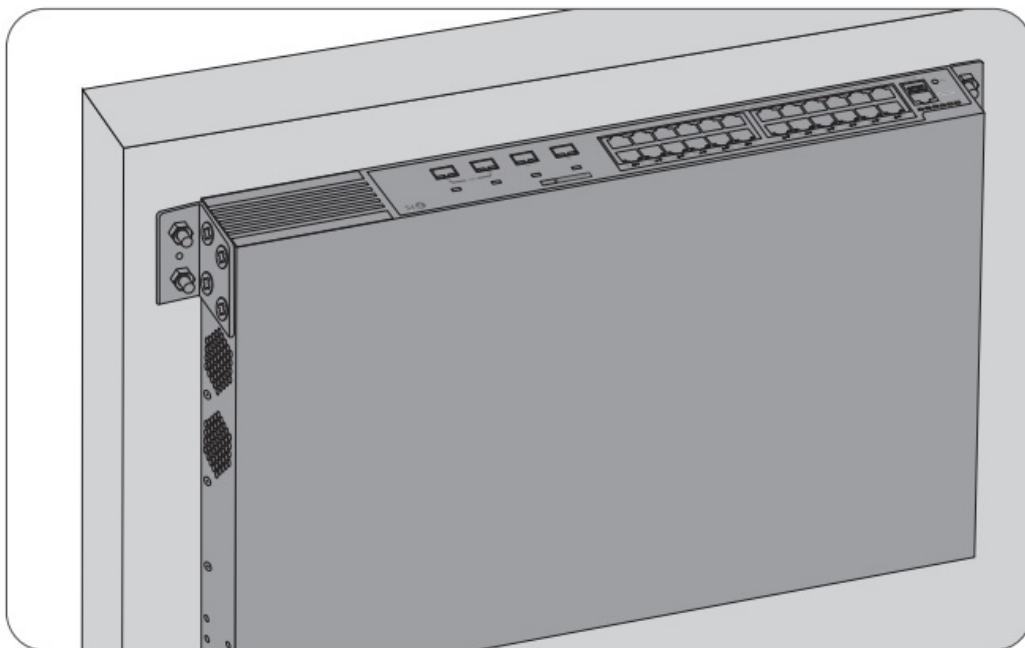


2. Attach the switch to the rack using four M6 screws and cage nuts.

Wall Mounting



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

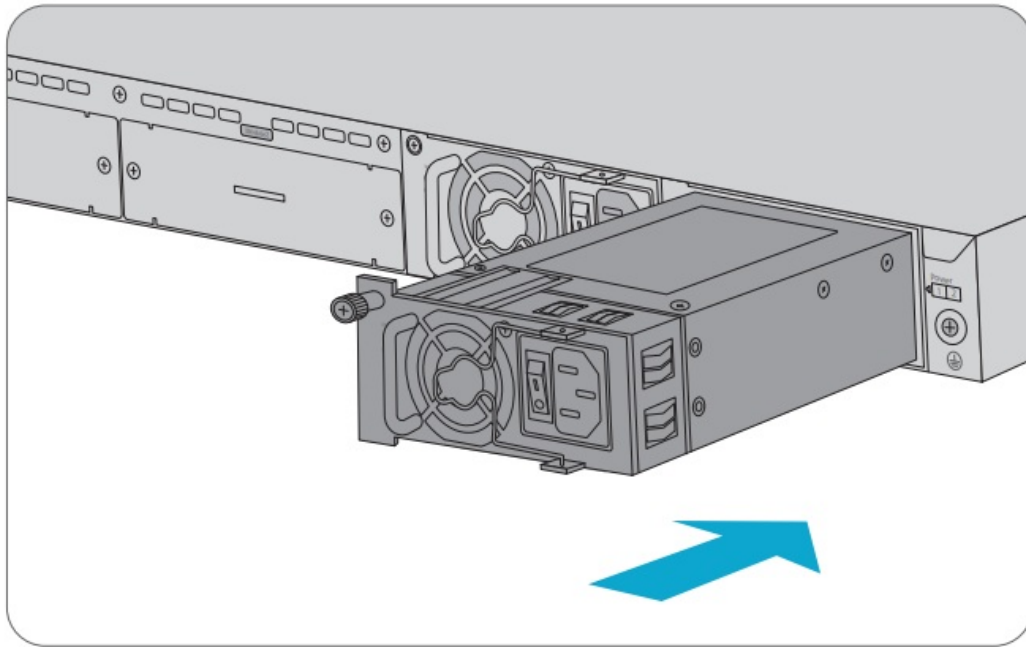


2. Use the expansion screws to securely attach the mounting brackets on the wall.

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

Installing the Power Supply Module

S3410-24TS-P/S3410-48TS-P

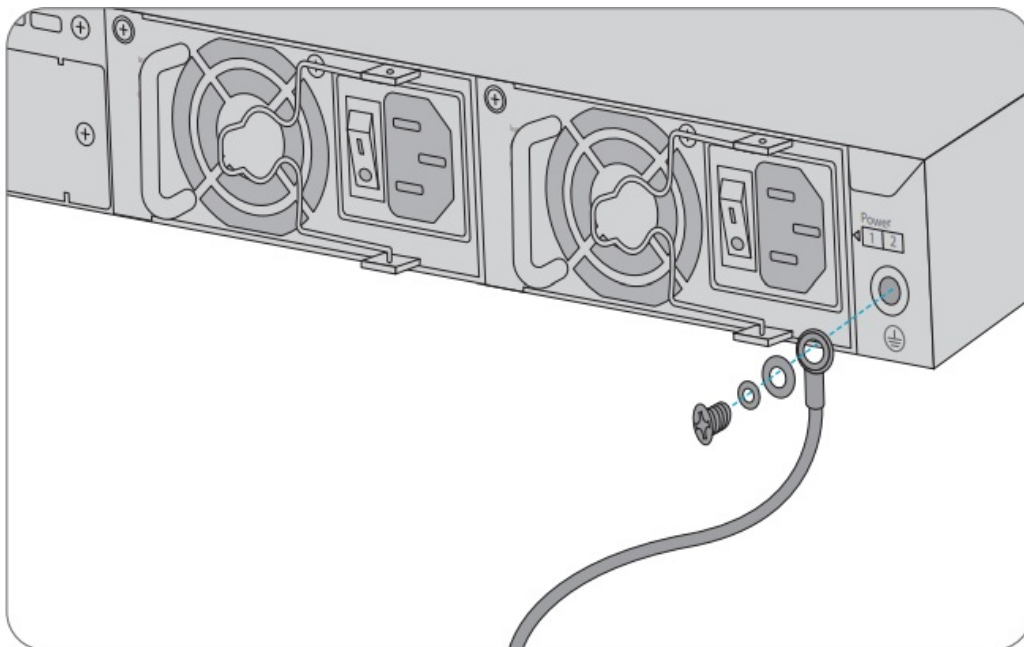


1. Take a new power module out of the package and confirm the input mode and the input parameters of the power module match the requirements.
2. Remove the old power module and take the plane printed with power information as the top panel of the power module. Hold the handle of the power module with one hand, and hold the end of the power module with the other hand. Insert it into the chassis along the guide rail uprightly and slowly until it clicks into place, and make sure that it is in good contact with the power slot.

NOTE:

1. S3410-10TF-P 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.

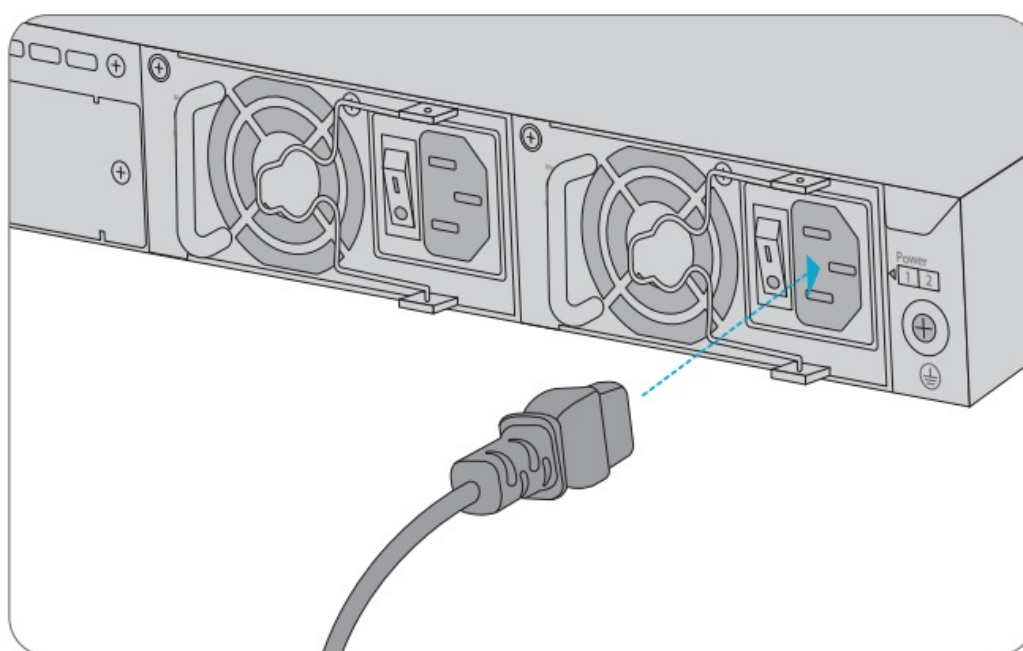
Grounding the Switch



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.

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

Connecting the Power

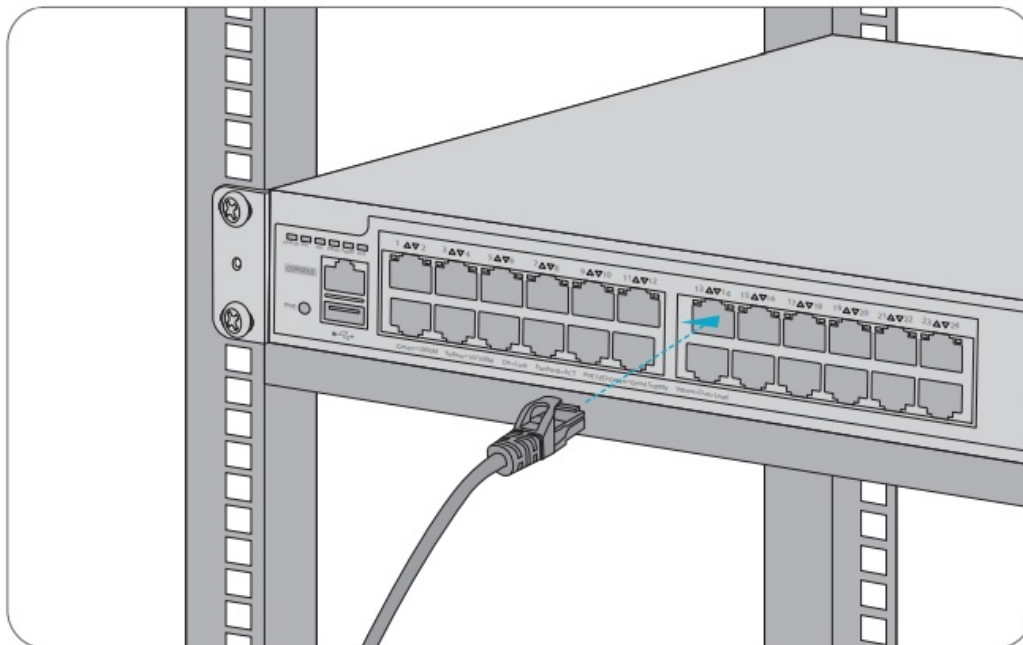


1. Plug the AC power cord into the power port on the back of the switch.

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

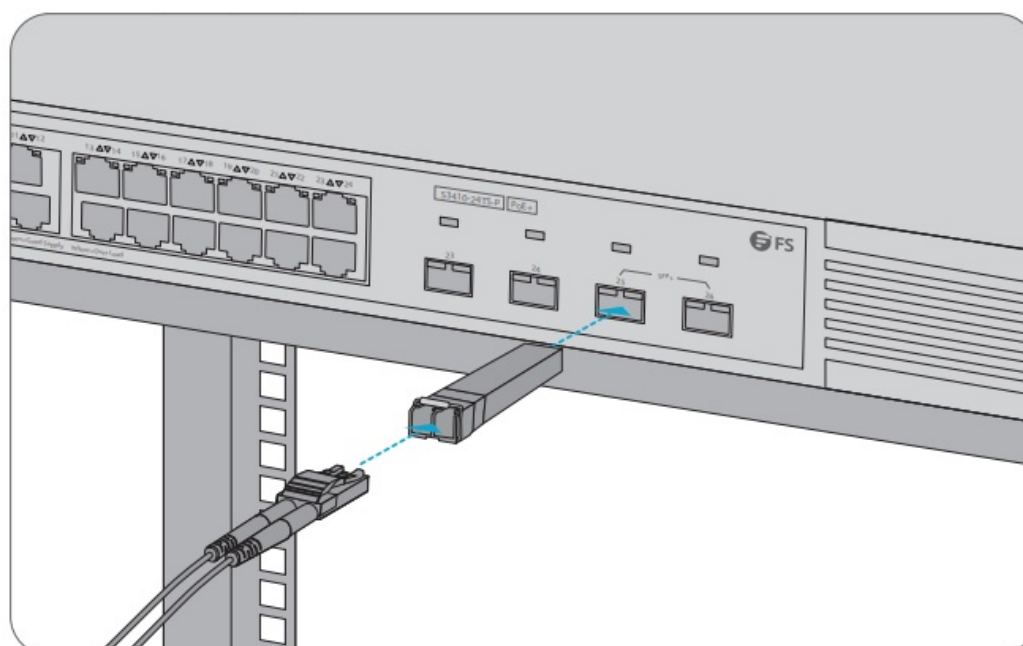
WARNING: Do not install the power cable while the power is on.

Connecting the RJ45 Ports



1. Connect an Ethernet cable to the RJ45 port of IP cameras, IP telephones, Access Points (AP), or other network devices.
2. Connect the other end of the Ethernet cable to the RJ45 port of the switch.

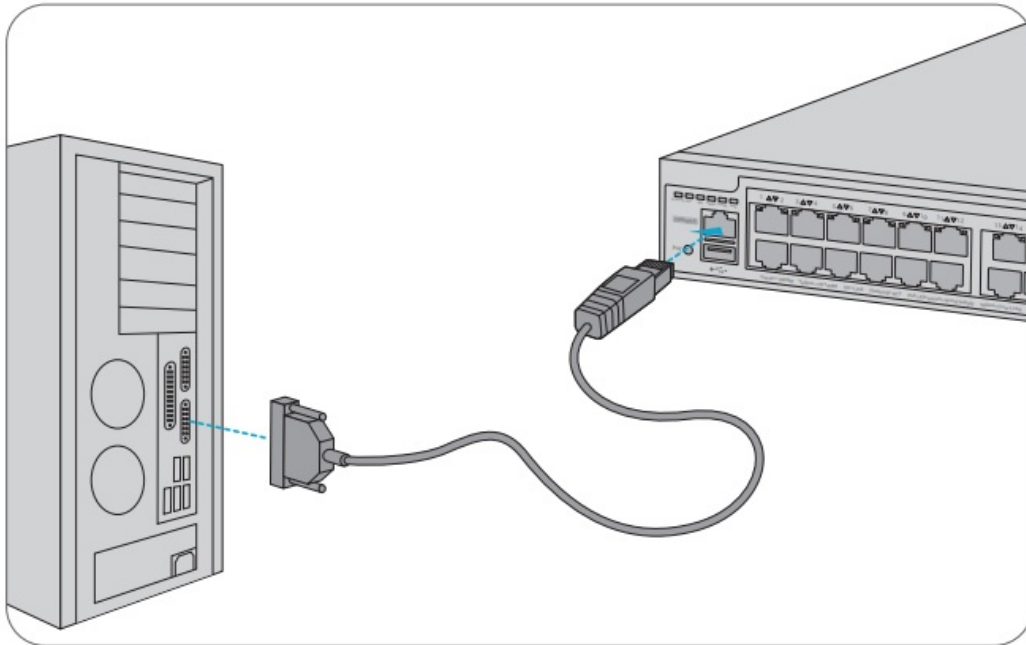
Connecting the SFP/SFP+ Ports



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 the bores of optical modules or optical fibers without eye protection.

Connecting the Console Port

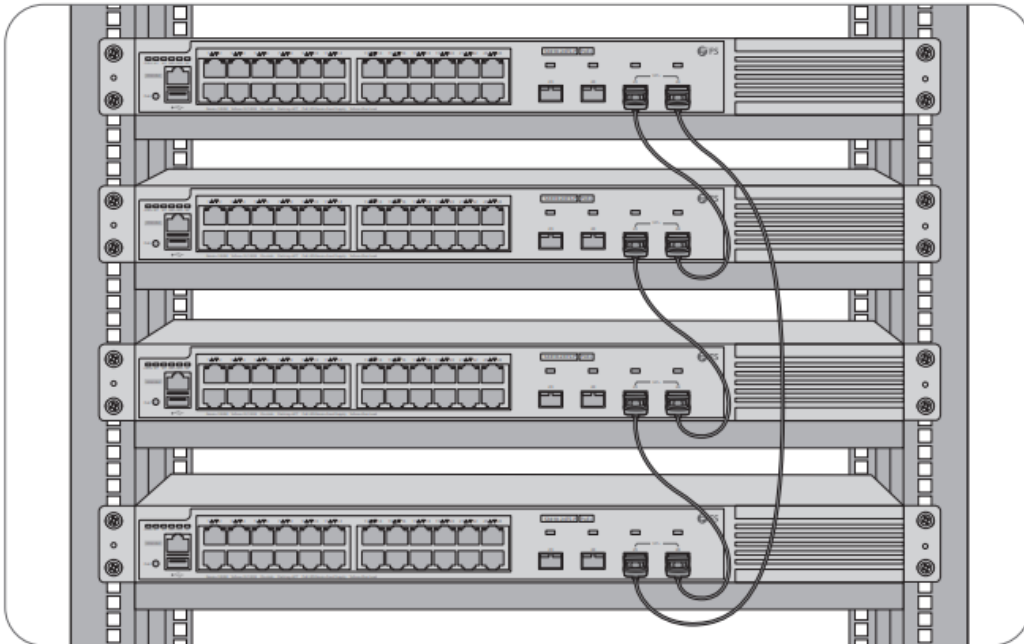


1. Insert the RJ45 connector into the RJ45 console port on the front of the switch.
2. Connect the DB9 female connector of the console cable to the serial port on the computer.

Stacking the Switches

S3410-24TS-P/S3410-48TS-P

- The S3410-24TS-P/S3410-48TS-P switches support stacking up to 4 switches of the same series together. The switches can be physically stacked using optical fiber cables connected to SFP+ transceivers or 10G Direct Attach Cables (DAC). S3410-24TS-P switch supports ports 25 & 26 for physical stacking. S3410-48TS-P switch supports port 49 & 50 for physical stacking.



NOTE: S3410-10TF-P switch can't be stackable.

Configuring the Switch

Configuring the Switch Using the Web-based Interface

- Step 1: Connect the 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.). Set the subnet mask of the computer to 255.255.255.0.

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.



IE 8/9/10/11, Google Chrome, Firefox are supported

admin

Login

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.

Quick Connect

Protocol: Serial

The port may be manually entered or selected from the list.

Port: COM3

Baud rate: 9600

Data bits: 8

Parity: None

Stop bits: 1

Name of pipe:

Flow Control

- ☐ DTR/DSR
- ☐ RTS/CTS
- ☐ XON/XOFF

☐ Show quick connect on startup

☐ Save session

☐ Open in a tab

Connect Cancel

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

Troubleshooting

The serial port console has no output or outputs illegible characters

1. Change the serial port opened by the configuration software to be the one connected to the switch.

2. Check that the parameter configuration of the serial port matches that specified in the instructions.

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.

RJ45 port is not in connectivity or it is erroneous in receiving/transmitting frames

1. Replace the twisted pair cable.
2. Check that the port configuration has the common working mode with the connected switch.

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:** S3410 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>

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FAQs

Q: What should I do if the device does not power on?

A: Check the power source and ensure proper grounding. If issues persist, contact customer support.

Q: How do I dispose of the product at end of life?

A: Follow WEEE Directive guidelines for the return and recycling of the product. Don't throw it away.

Documents / Resources

 INSTRUCTION MANUALS <small>Safety and Compliance Information</small> <small>© 2020 FS.COM All rights reserved. No part of this document may be reproduced without written permission from FS.COM.</small>	FS S3410-24TS-P Port Gigabit Ethernet [pdf] Instruction Manual S3410-24TS-P Port Gigabit Ethernet, S3410-24TS-P, Port Gigabit Ethernet, Gigabit Ethernet, Ethernet
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References

- [User Manual](#)

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