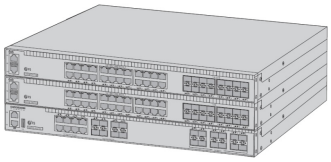
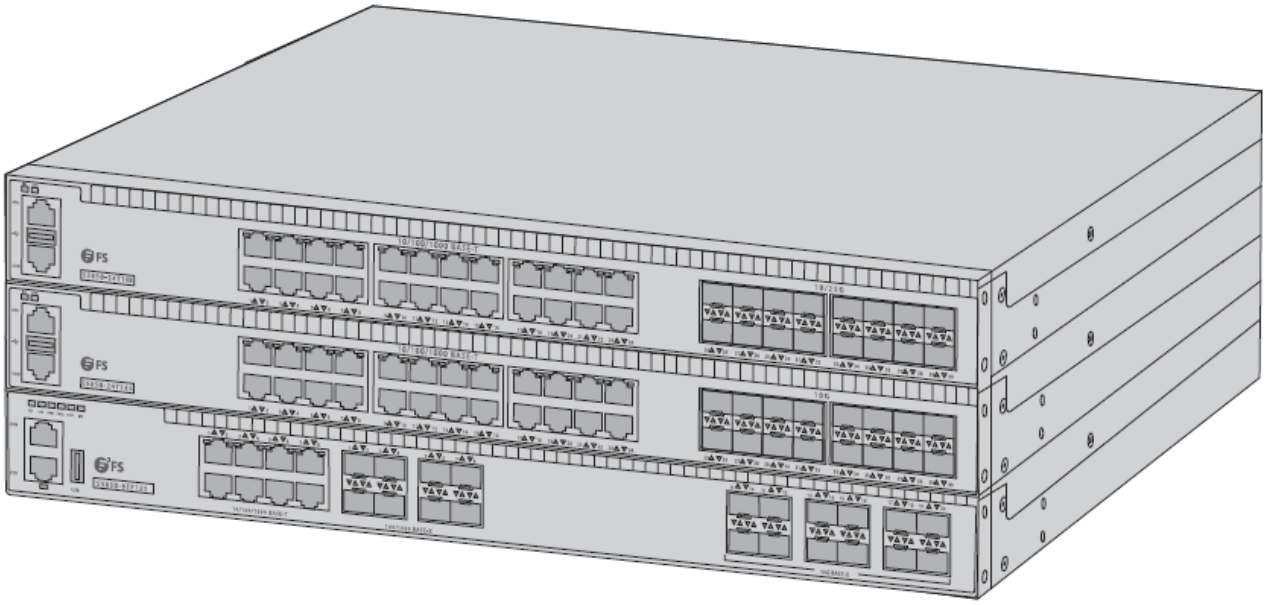


FS S58 Series Hyper-Converged Infrastructure Switches User Guide

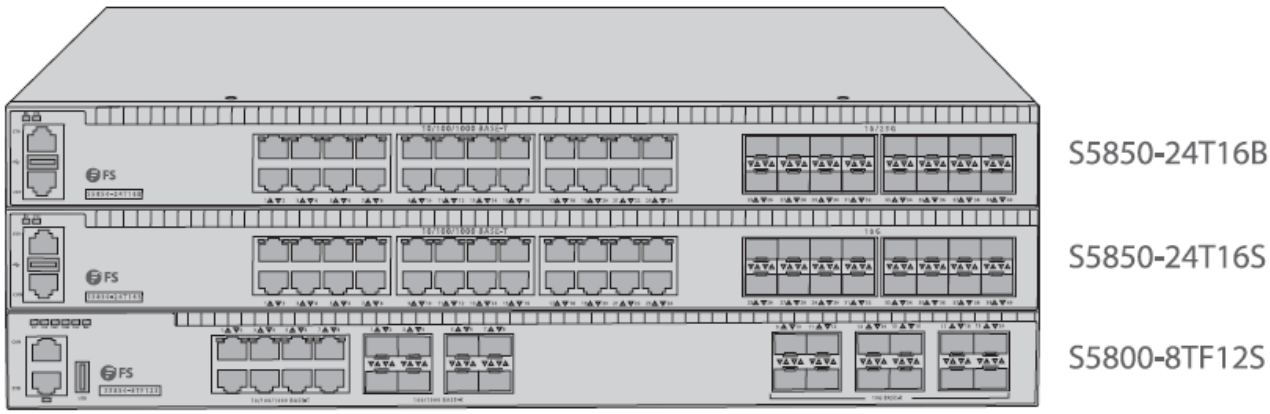
Contents

FS S58 Series Hyper-Converged Infrastructure Switches



Introduction

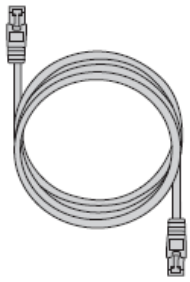
Thank you for choosing 558 series switches. This guide is designed to familiarize you with the layout of the switches and describes how to deploy the switches in your network.



Accessories

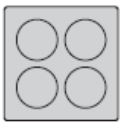
Power Cord x2

Console Cable x1



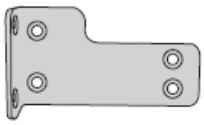
Network Cable x1

Grounding Cable x1



Rubber Pad x4

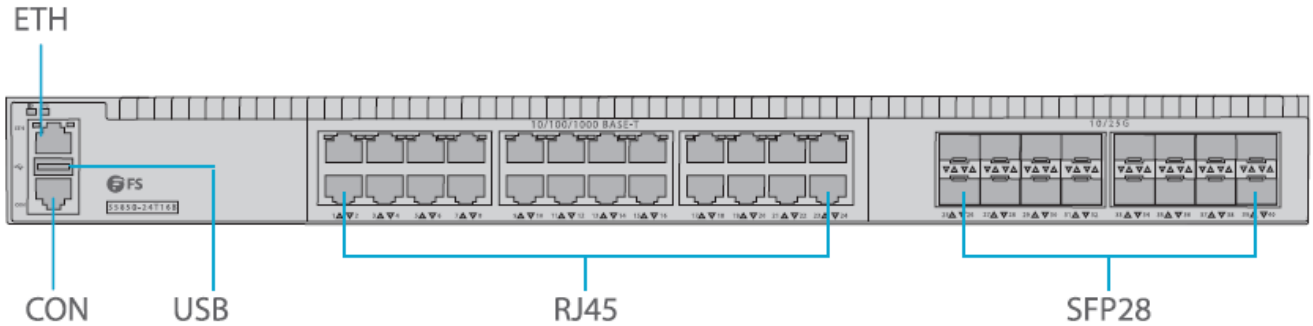
M4 Screw x8



Mounting Bracket x2

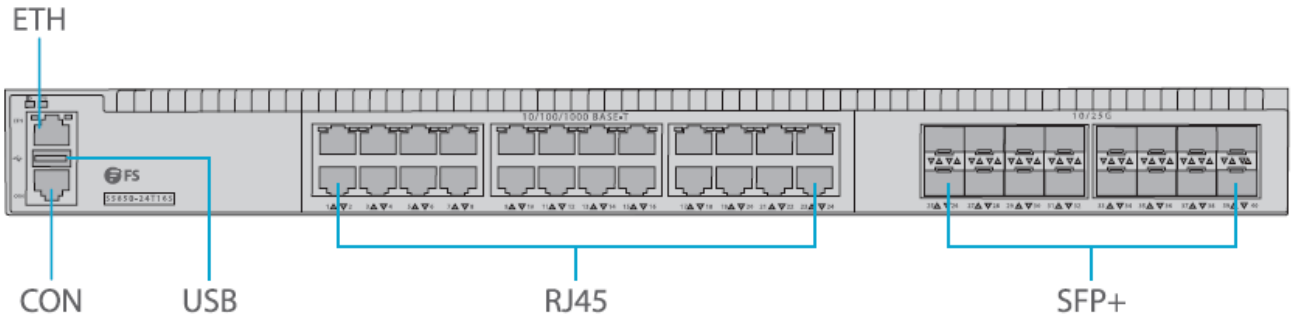
Hardware Overview

Front Panel Ports
S5850-24T16B



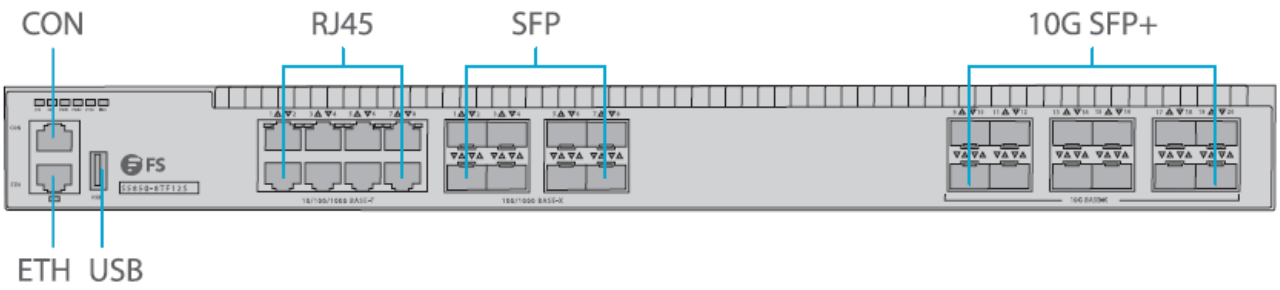
RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP28	SFP28 ports for 10/25G transceivers
ETH	An Ethernet management port
CON	An RJ45 console port for serial management
USB	A USB management port for software and configuration backup and offline software upgrade

S5850-24T165



RJ45	10/100/1000BASE-T ports for Ethernet connection
SFP+	SFP+ ports for 1/10G connection
ETH	An Ethernet management port
CON	An RJ45 console port for serial management
USB	A USB management port for software and configuration backup and offline software upgrade

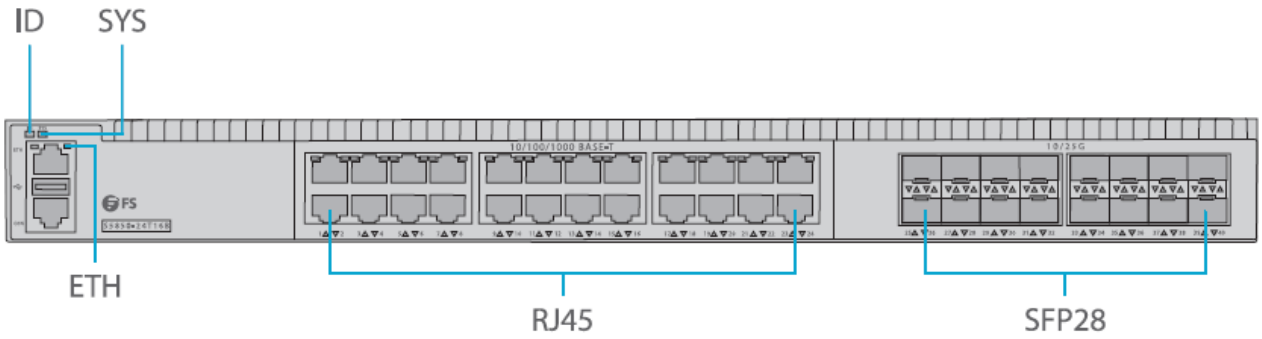
55800-STFI 25



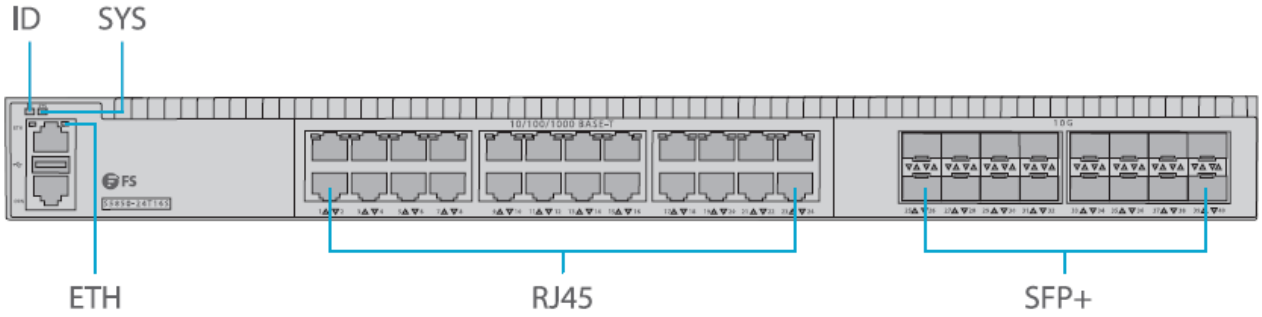
RJ45	Combo Ports	10/100/1000BASE-T ports for Ethernet connection
SFP		SFP ports for 100/1000BASE-X transceivers
SFP+		SFP+ ports for 1/l0G transceivers
CON		An RJ45 console port for serial management
ETH		An Ethernet management port
USB		A USB management port for software and configuration backup and off line software upgrade

LEDs

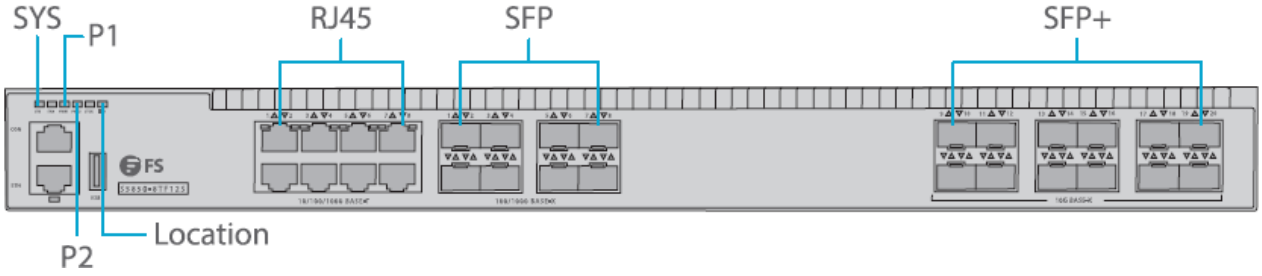
S5850-24T16B



S5850-24T16S



S5800-8TF12S



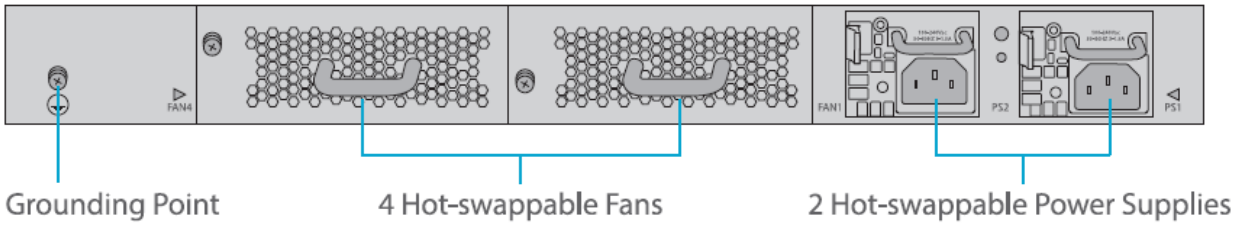
	Green	System is abnormal.
	Blinking Green Quickly (2Hz)	The system is running in u-boot mode.
	Blinking Green Slowly (O.SHz)	The system is normally running.
	Amber	The system occurs alarm or error.

SYS	Blinking Amber Quickly	System is initial in u-boot mode.
	Blinking Amber Slowly	System software is in initial state.
	Off	No power or no system runs or runs abnormally.
PWR	Green	Power supply is ok.
	Amber	Power supply is abnormal.
	Off	Power supply is absent or single power supply is abnormal.
ID	Blue	ID indication function enable.
	Off	ID indication function disable.
ETH	Green	Port is linked.
	Blinking Green	Port is receiving or transmitting packets.
	Off	Port is not linked.
	Green	1G port is linked.
	Blinking Green	1G packets are receiving or transmitting.
	Amber	10/1DOM port is linked.

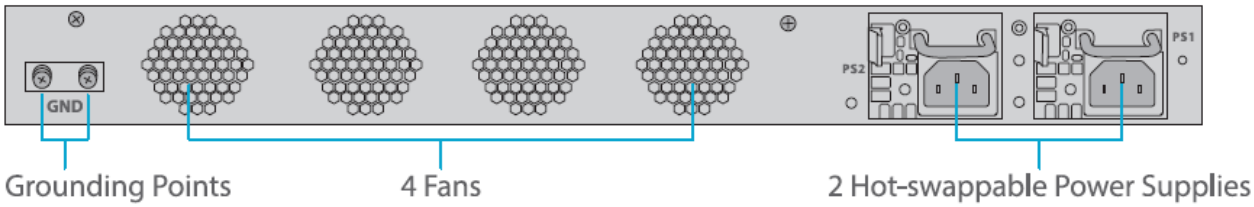
RJ45	Blinking Amber		10/1DOM packets are receiving or transmitting.
	Off		Port is not linked.
SFP+	Green		1OG port is linked.
	Blinking Green		1OG packets are receiving or transmitting.
	Amber		1G port is linked.
	Blinking Amber		1G packets are receiving or transmitting.
	Off		Port is not linked.
SFP28	Green	On	25G port is linked.
		Blinking	25G packets are receiving or transmitting.
	Amber	On	1OG port is linked.
		Blinking	1OG packets are receiving or transmitting.
	Off		Port is not linked.

Back Panels

S5850-24T16B/S5850-24T16S



S5800-8TF12S



Installation Requirements

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

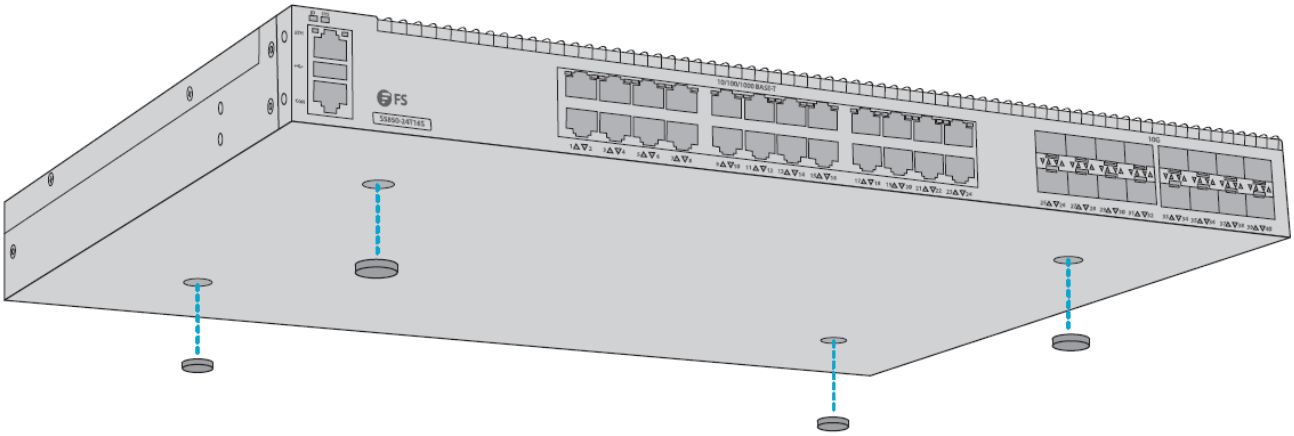
- Phillips screwdriver.
- Standard-sized, 19″ wide rack with a minimum of 1 U height available.
- Category Se or higher RJ-45 Ethernet cables for connecting network devices.

Site Environment:

- Do not operate it in an area that exceeds an ambient temperature of 45°C.
- The installation site must be well ventilated. Ensure that there is adequate air flow 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.

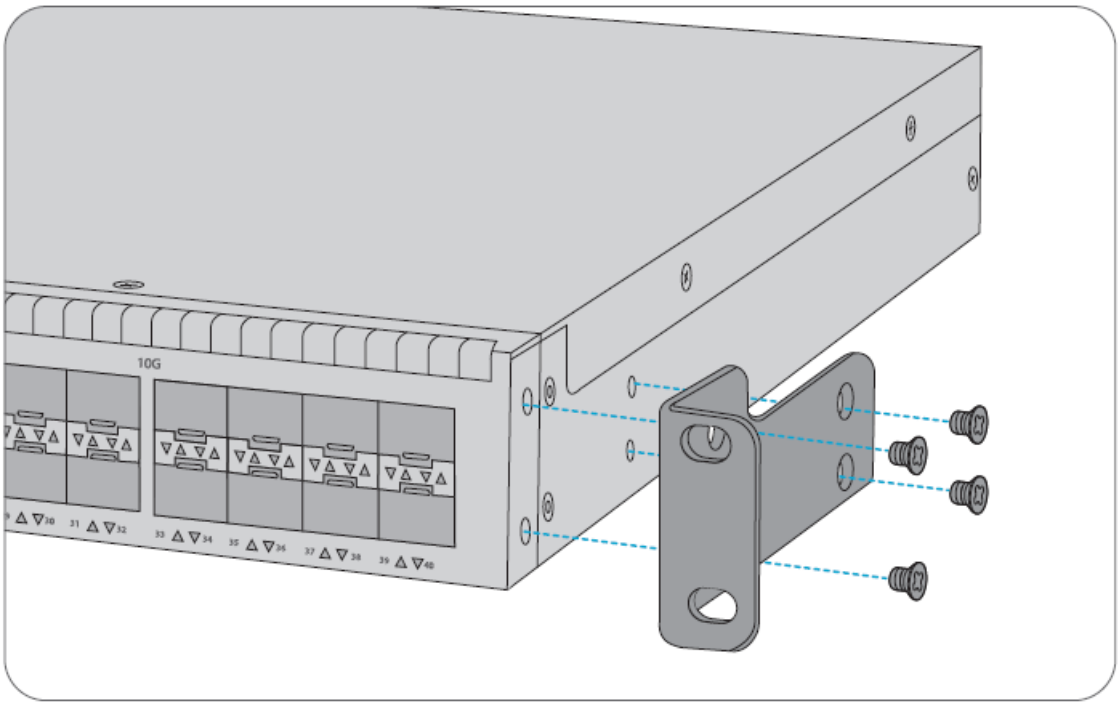
Mounting the switch

Desk Mounting

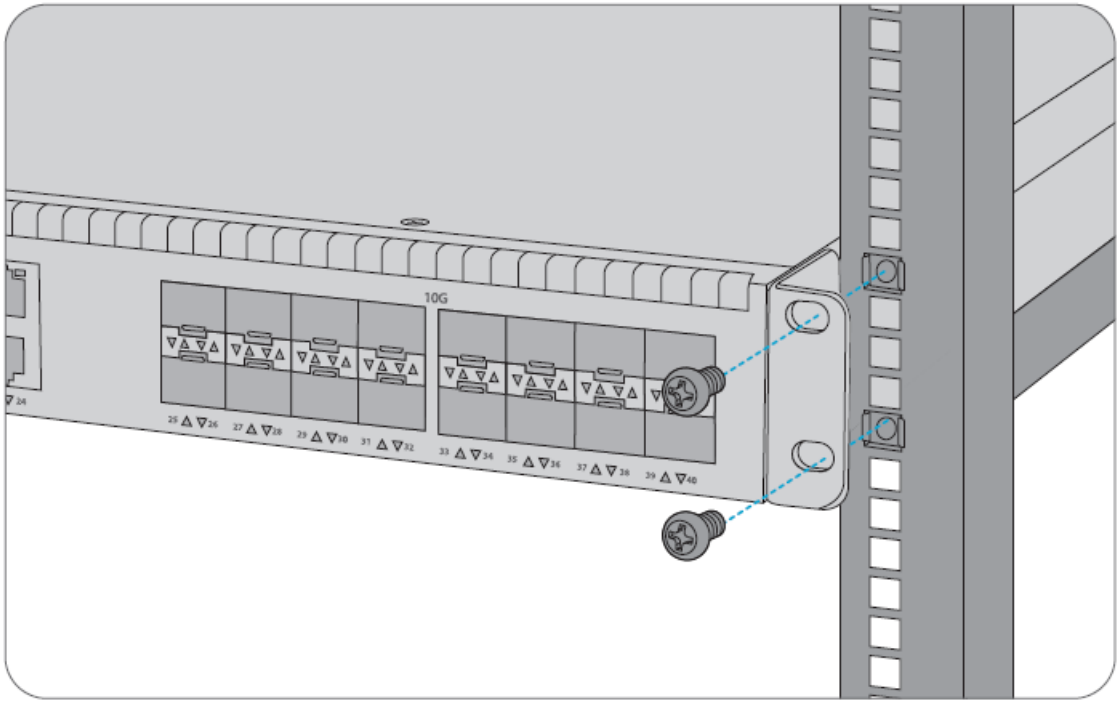


1. Attach four rubber pads to the bottom.
2. Place the chassis on the desk.

Rack Mounting

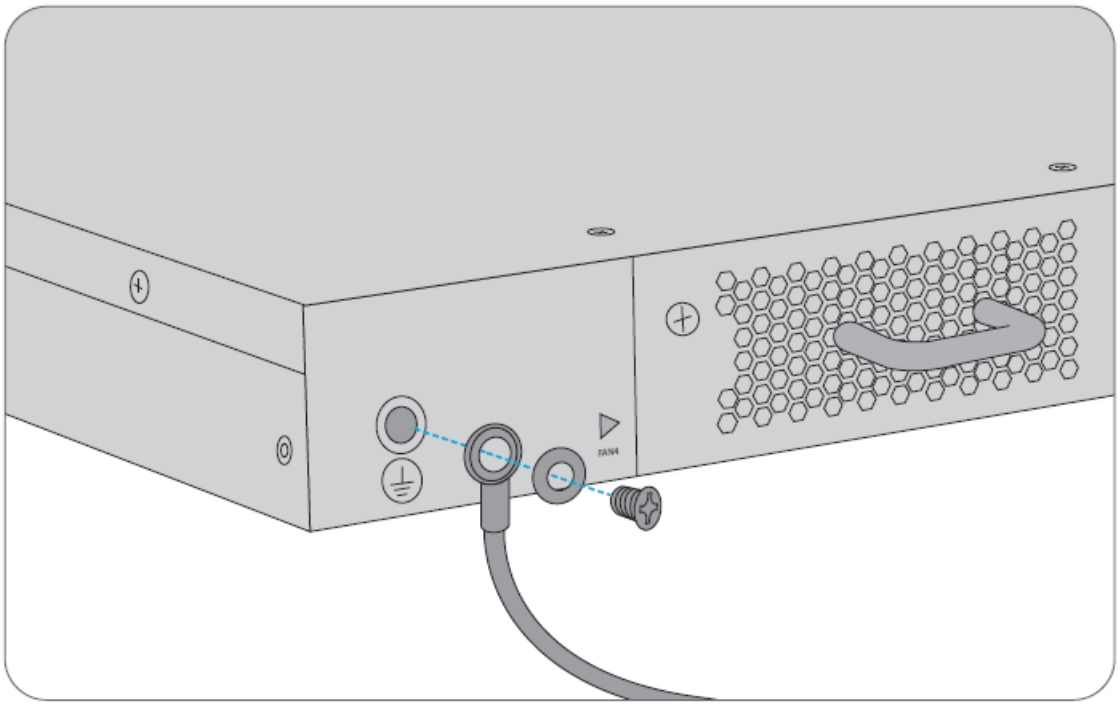


1. Secure the mounting brackets to the two sides of the switch with eight M4 screws.



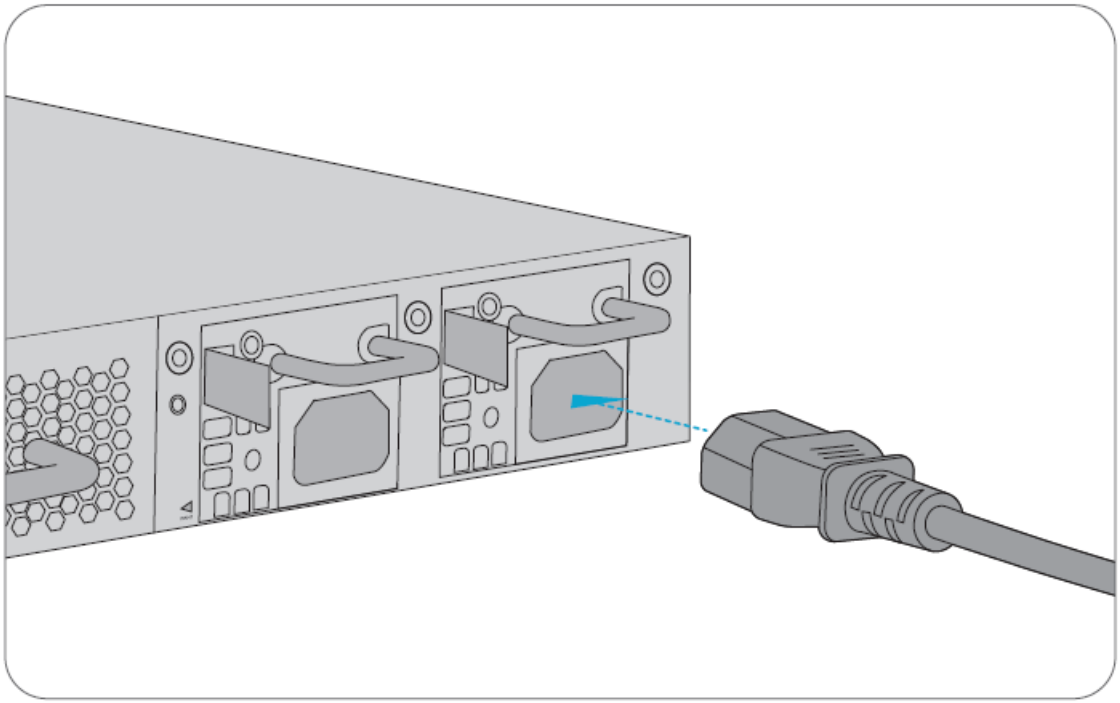
2. Attach the switch to the rack using four M6 screws and cage nuts.

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.

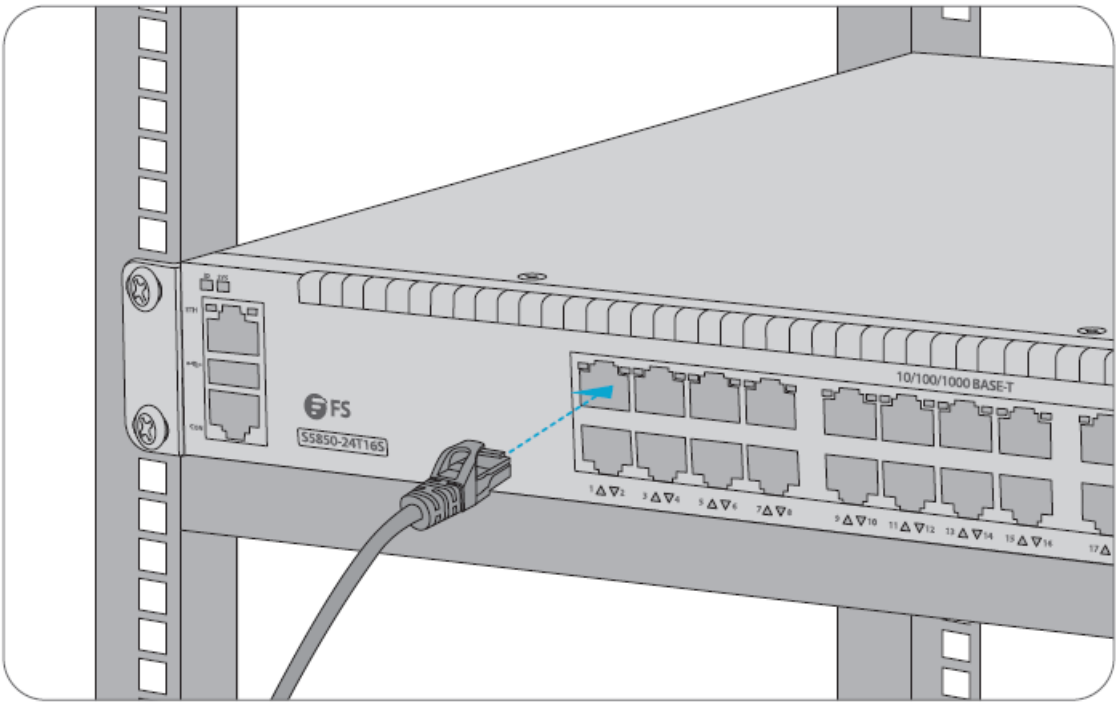
Connecting the Power



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.

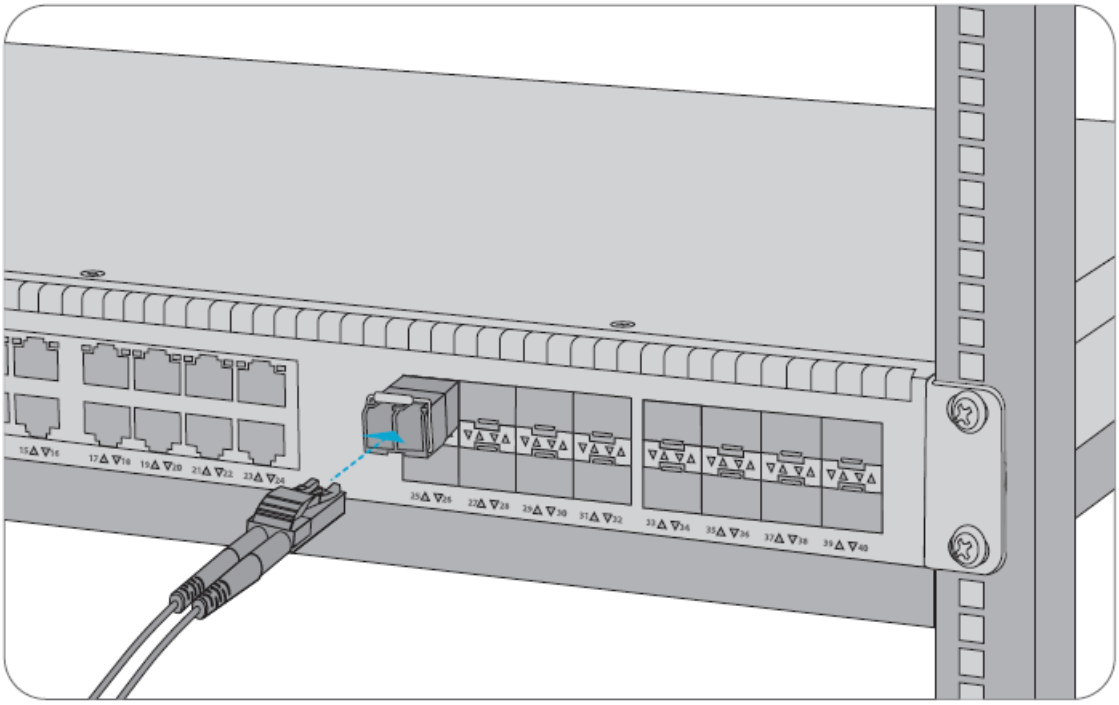
WARNING: Do not install power cable while the power is on.

Connecting the RJ45 Ports



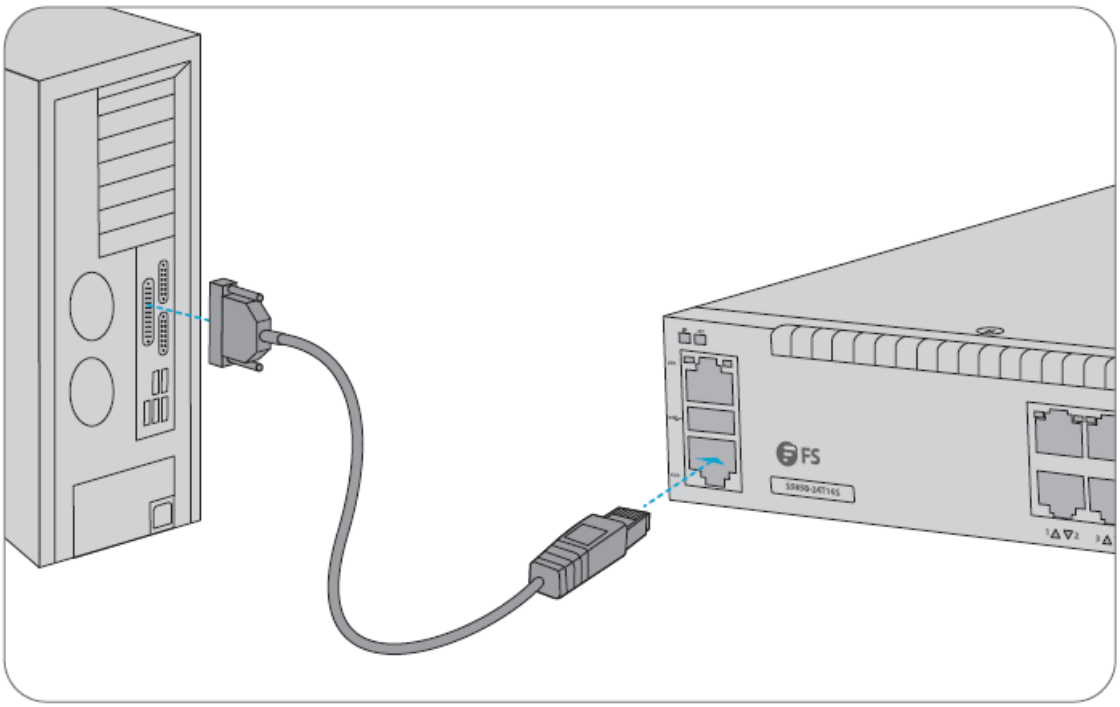
1. Connect an Ethernet cable to the RJ45 port of a computer, printer, network storage, or other network devices.
2. Connect the other end of the Ethernet cable to the RJ45 port of the switch.

Connecting the SFP+ Ports



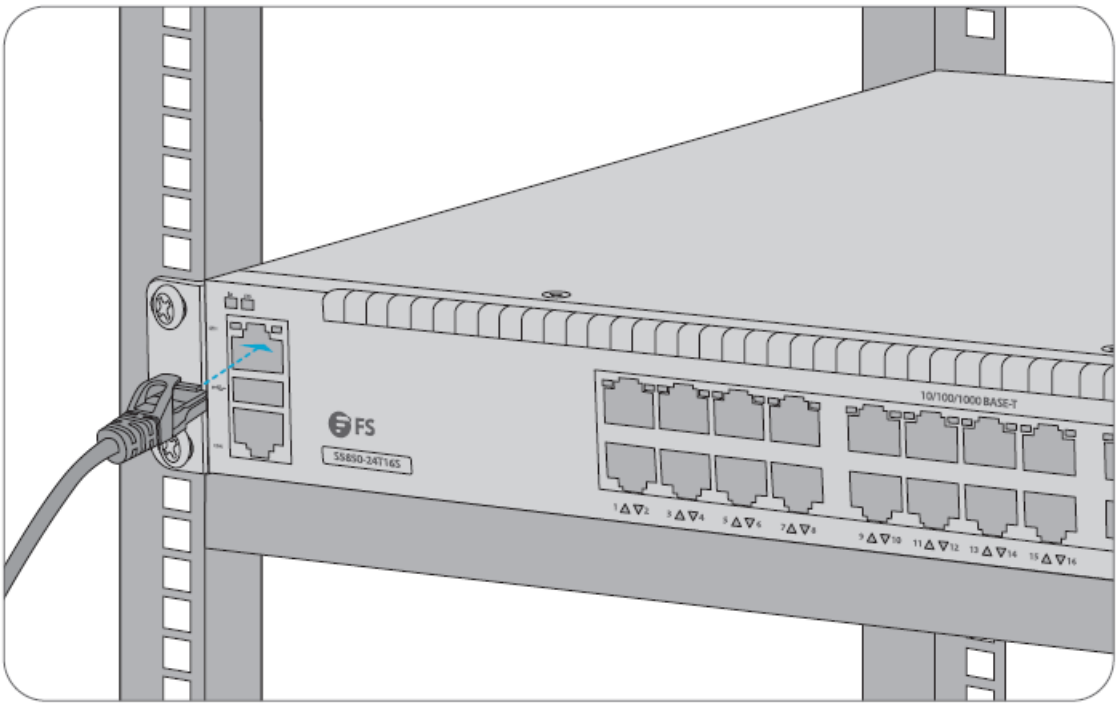
1. Plug the compatible SFP+/ SFP transceiver into the SFP+ port.
2. Connect a fiber optic cable to the fiber transceiver. Then connect the other end of the cable to another fiber device.

Connecting the Console Port



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

Connecting the ETH Port

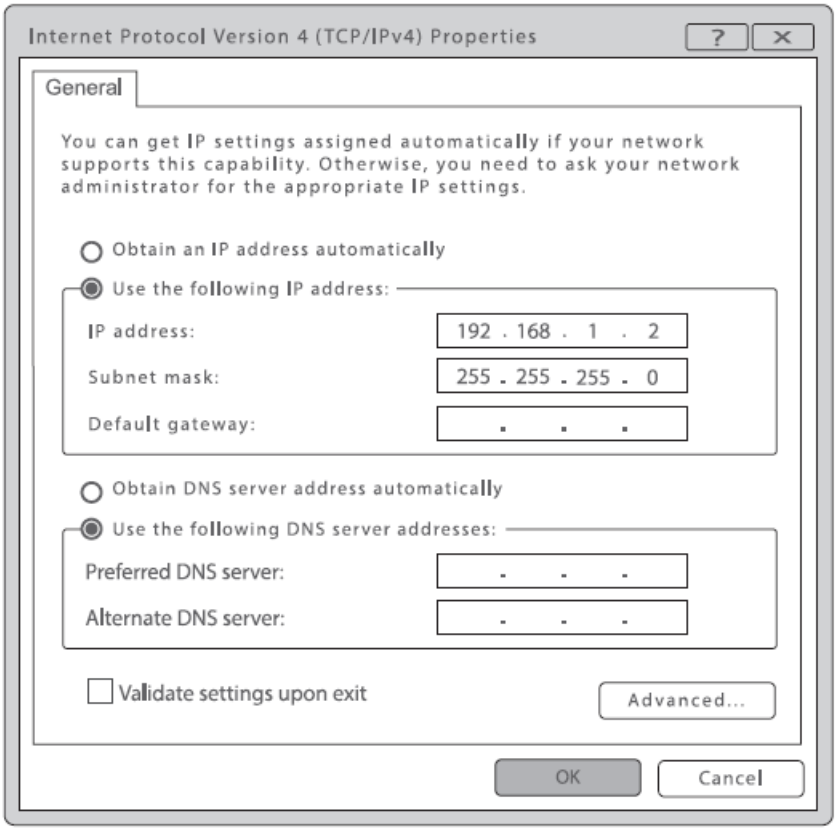


1. Connect one end of a standard RJ45 Ethernet cable to a computer.
2. Connect the other end of the cable to the ETH port on the front of the switch.

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.).

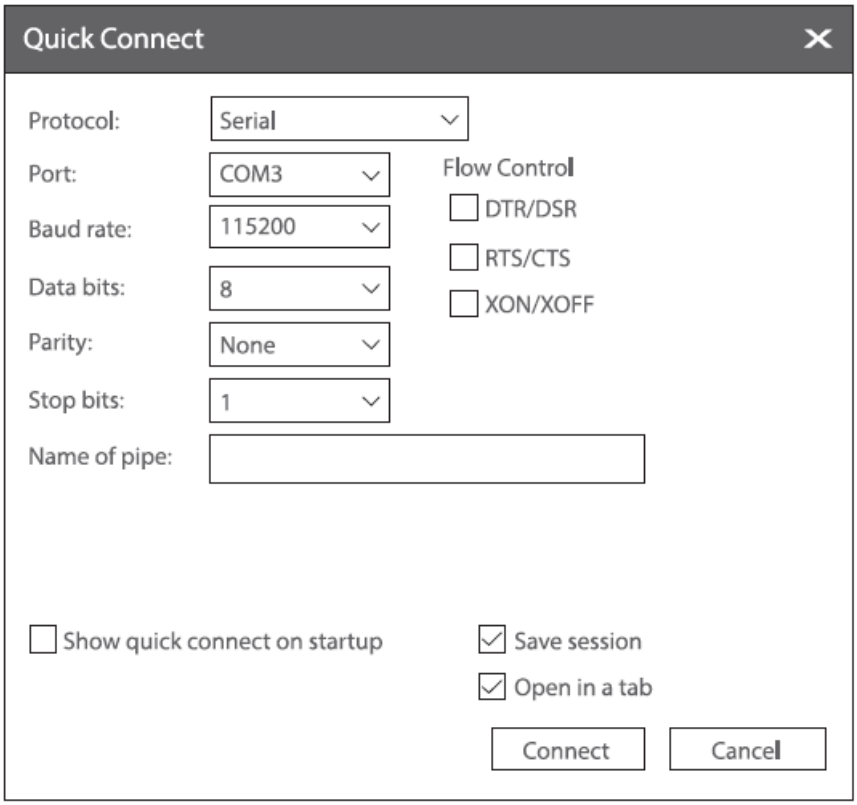
Set the subnet mask of the computer to 255.255.255.0



Step 3: Open a browser, type http:/1192.168.1.1, and enter the default username and password, admin/admin.
Step 4: Click Sign in 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 Hyper Terminal 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.



Step 4: Enter the default username and password, admin/admin.

Troubleshooting

Power LED Working Abnormally

1. Check the power cable connections at the switch and the power source.
2. Make sure the power cord used matches the voltage and frequency of your local power.

HyperTerminal Displaying Abnormally

1. Make sure the power supply is normal and the console cable is properly connected.
2. Check if the console cable is the right type.
3. Check if the control cable driver is properly installed on the computer.
4. Ensure the parameters of the HyperTerminal are correct.

Accessing the Web-based Configuration Page Unsuccessfully

1. Check every port LED on the switch and make sure the Ethernet cable is connected properly.
2. Try another port on the switch and make sure the Ethernet cable is suitable and works normally.
3. Power off the switch and, after a while, power it on again.
4. Make sure the IP address of your PC is set within the subnet of the switch.
5. If you still cannot access the configuration page, please restore the switch to its factory defaults.

Then the IP address of your PC should be set as 192.168.1.x (“x” is any number from 2 to 254) and Subnet Mask as 255.255.255.0.

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: S58 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

Documents / Resources

	FS S58 Series Hyper-Converged Infrastructure Switches [pdf] User Guide S58 Series Hyper-Converged Infrastructure Switches, S58 Series, Hyper-Converged Infrastructure Switches, Infrastructure Switches, Switches

References

- Return Policy - FS.com
- Products Warranty - FS.com