FS S5850-48T4Q-PE 48 Port Ethernet L3 Switch User Guide

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FS S5850-48T4Q-PE 48 Port Ethernet L3 Switch

Product Information

The text-extract provided does not contain any product information. However, based on the website links provided, it appears that the product is sold by FS, a company that offers support, contact information, and

policies such as warranty and return policy for their products.

Introduction
Thank you for choosing S5850-48T4Q-PE switches. This guide is designed to familiarize you with the layout of the switch and describes how to deploy the switch in your network.

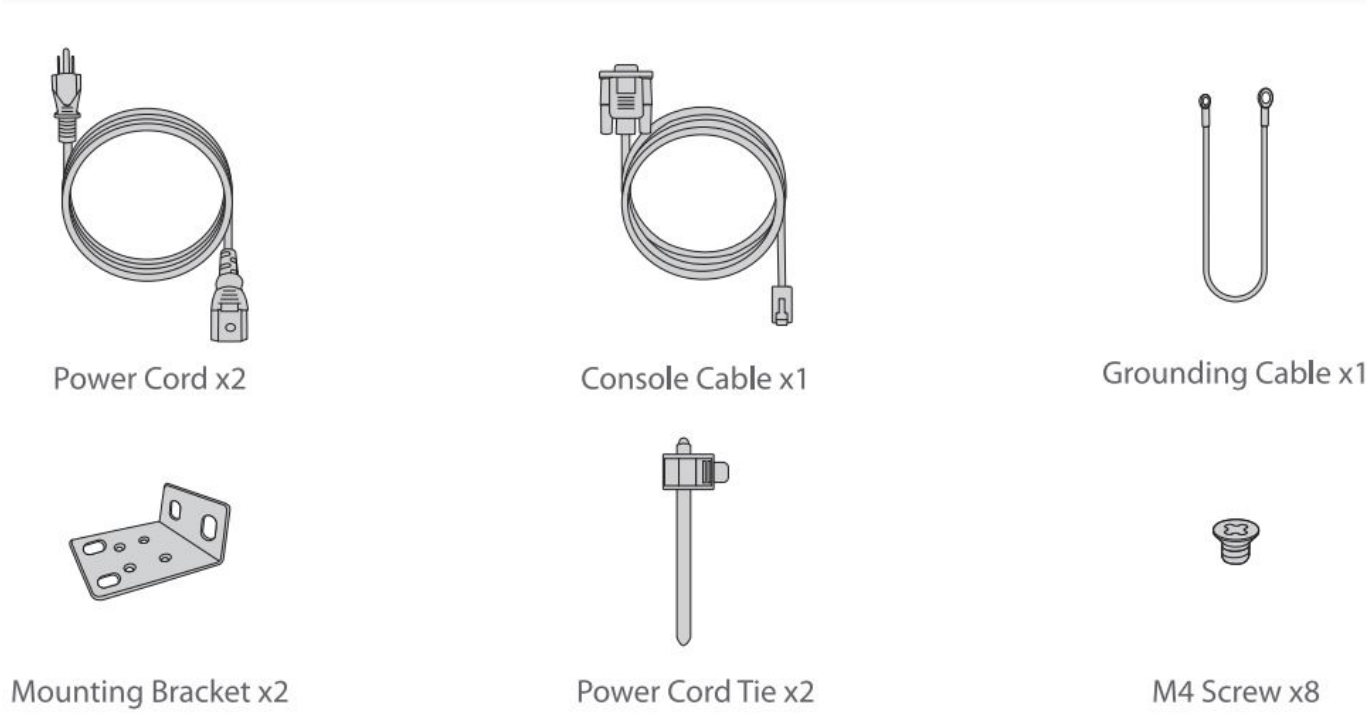
Product Usage Instructions

Unfortunately, the text-extract provided does not contain any instructions on how to use the product. To obtain usage instructions, please refer to the product's user manual or contact FS customer support for assistance.

FS provides customer support through their website at **https://www.fs.com/service/fs_support.html**. You can also find contact information for FS at **https://www.fs.com/contact_us.html**.

If you need to return the product or make a warranty claim, please refer to FS's policies at **https://www.fs.com/policies/day_return_policy.html** and **https://www.fs.com/policies/warranty.html**.

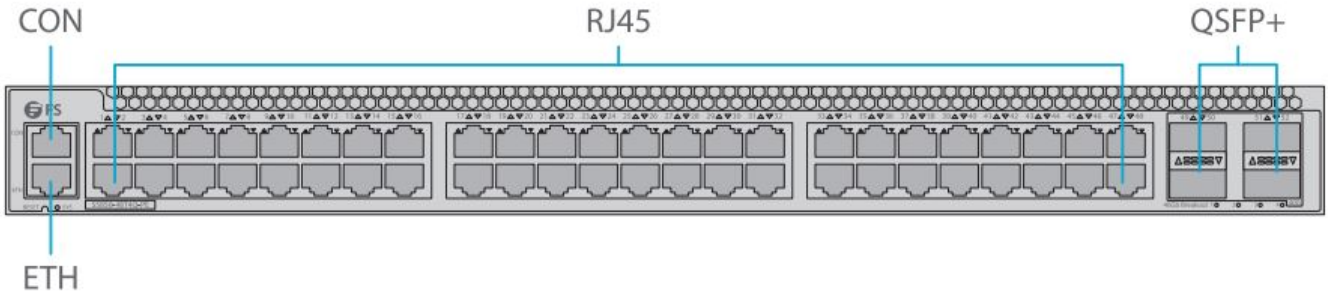
Accessories



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

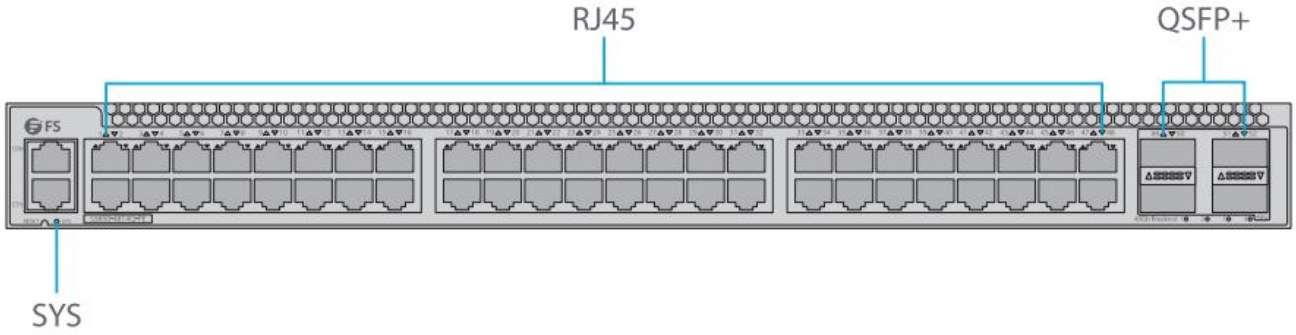
Hardware Overview

Front PanelPorts



Ports	Description
RJ45	10G BASE-T ports for Ethernet connection
QSFP+	QSFP+ ports for 40G transceivers
CON	An RJ45 console port for serial management
ETH	An Ethernet management port

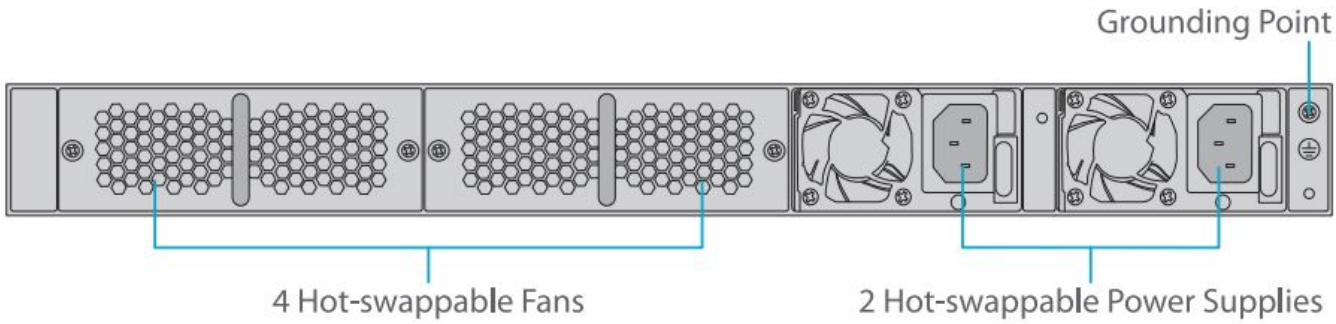
Front Panel LEDs



LEDs	State		Description
SYS	Green	On	System is abnormal.
		Blinking Quickly	System is running in u-boot mode.
		Blinking Slowly	System is running normally.
	Amber	On	System occurs alarm or error.
		Blinking Quickly	System is initial in u-boot mode.
		Blinking Slowly	System software is in initial state.
	Off		No power or no system runs or runs abnormally.

LEDs	State		Description
RJ45	Green	On	Port is linked.
		Blinking	Packets are receiving or transmitting.
QSFP+	Green	On	Port is linked.
		Blinking	Packets are receiving or transmitting.
		Off	Port is not linked.
	Amber	On	Port is linked at 10G.
		Blinking	Packets are receiving or transmitting at 10G.
		Off	Port is not linked.

Back Panels



Installation Requirements

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

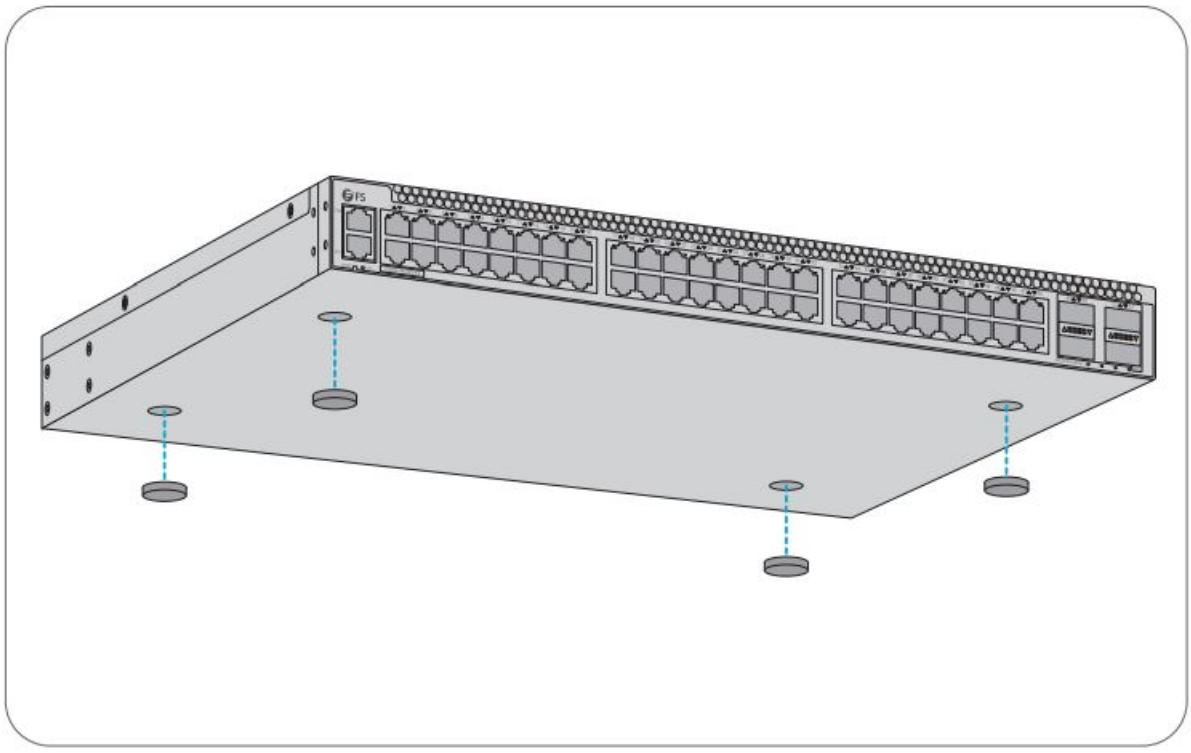
- Phillips screwdriver.
- Standard-sized, 19″ wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables for connecting network devices.

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.

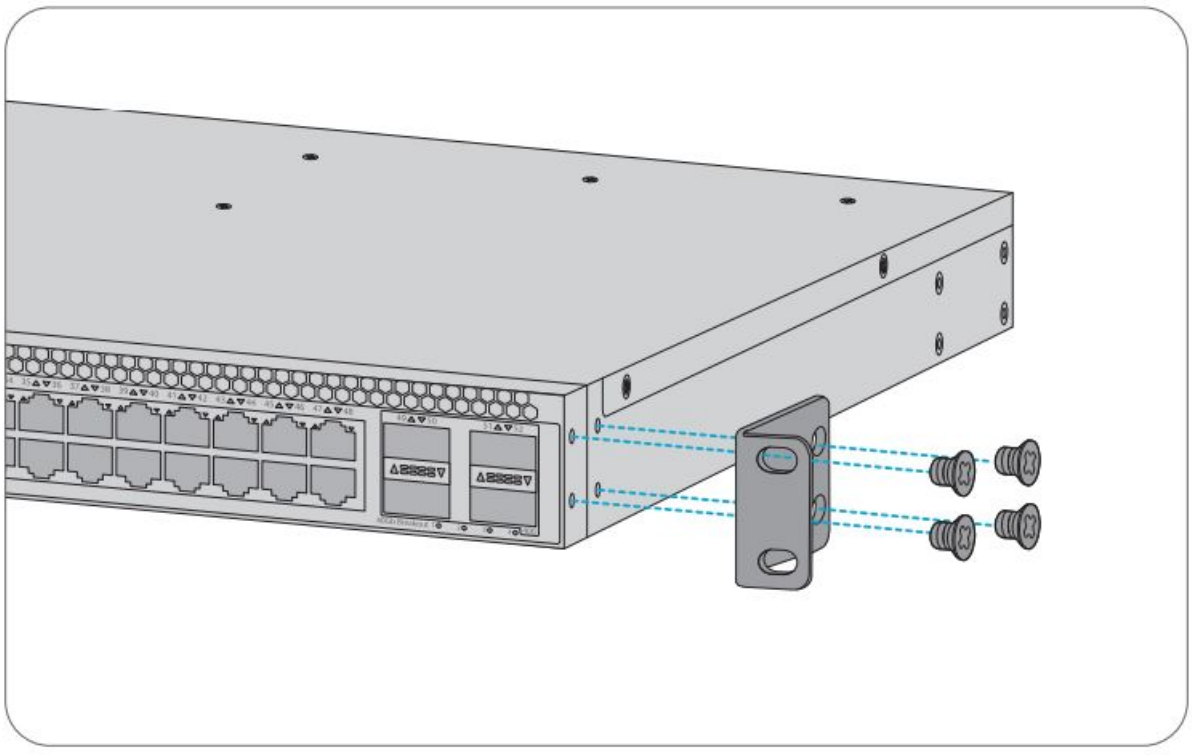
Mounting the Switch

Desk Mounting

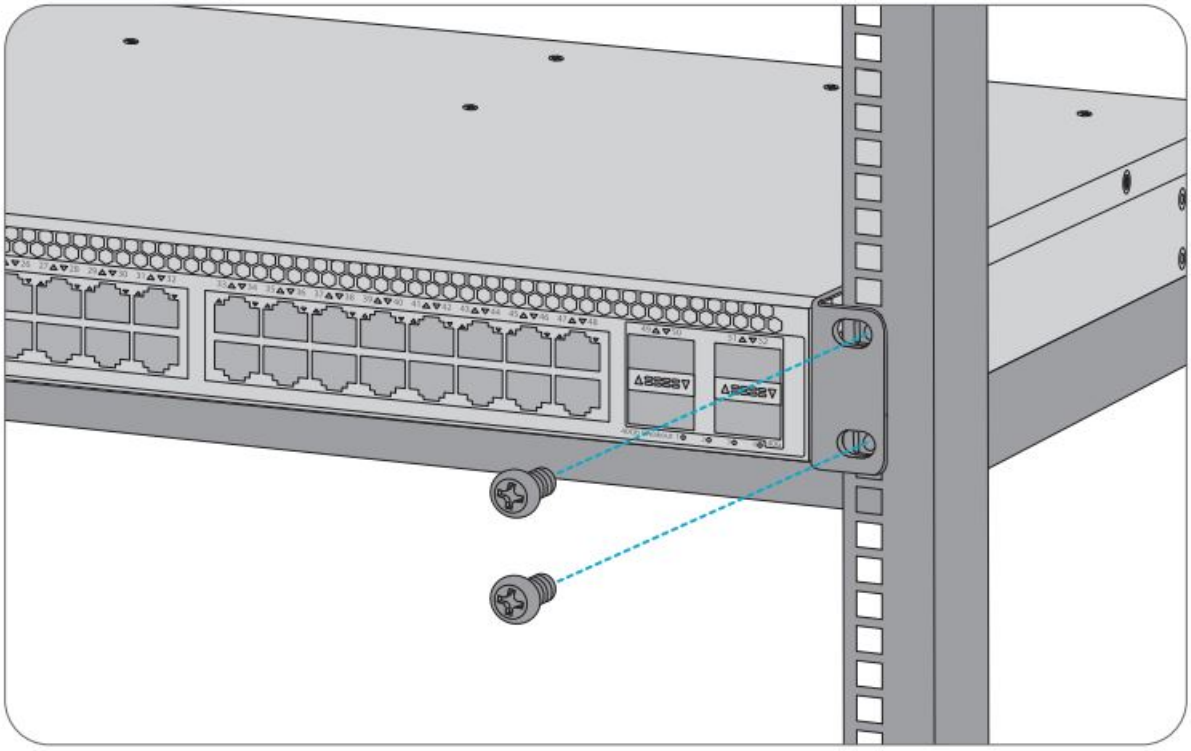


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

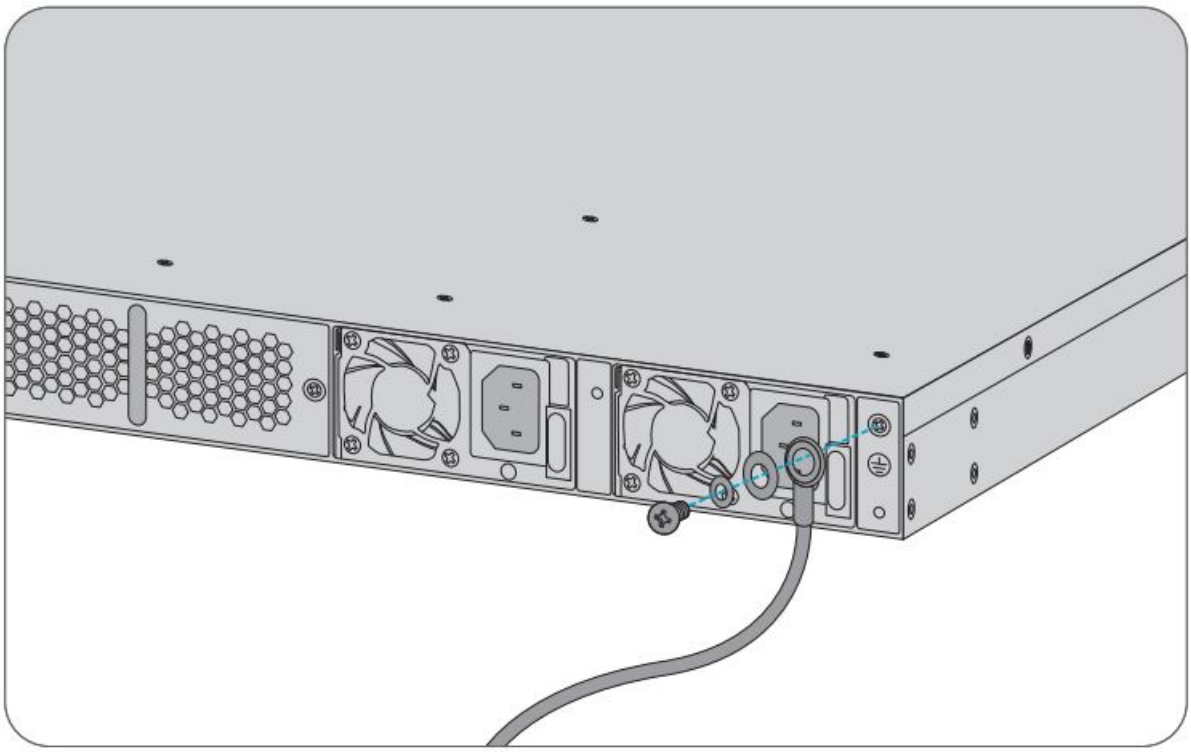


1. Secure the mounting bracket to the two sides of the switch with M4 screws.



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

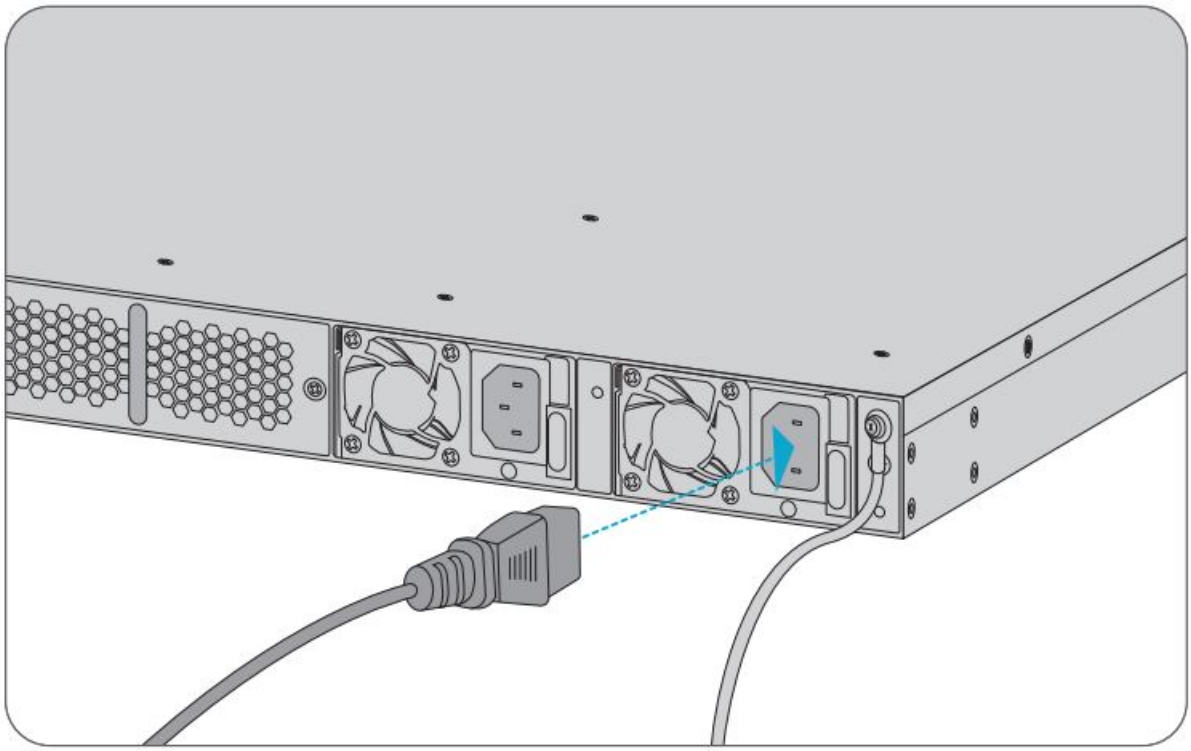
Grounding the Switch



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.

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

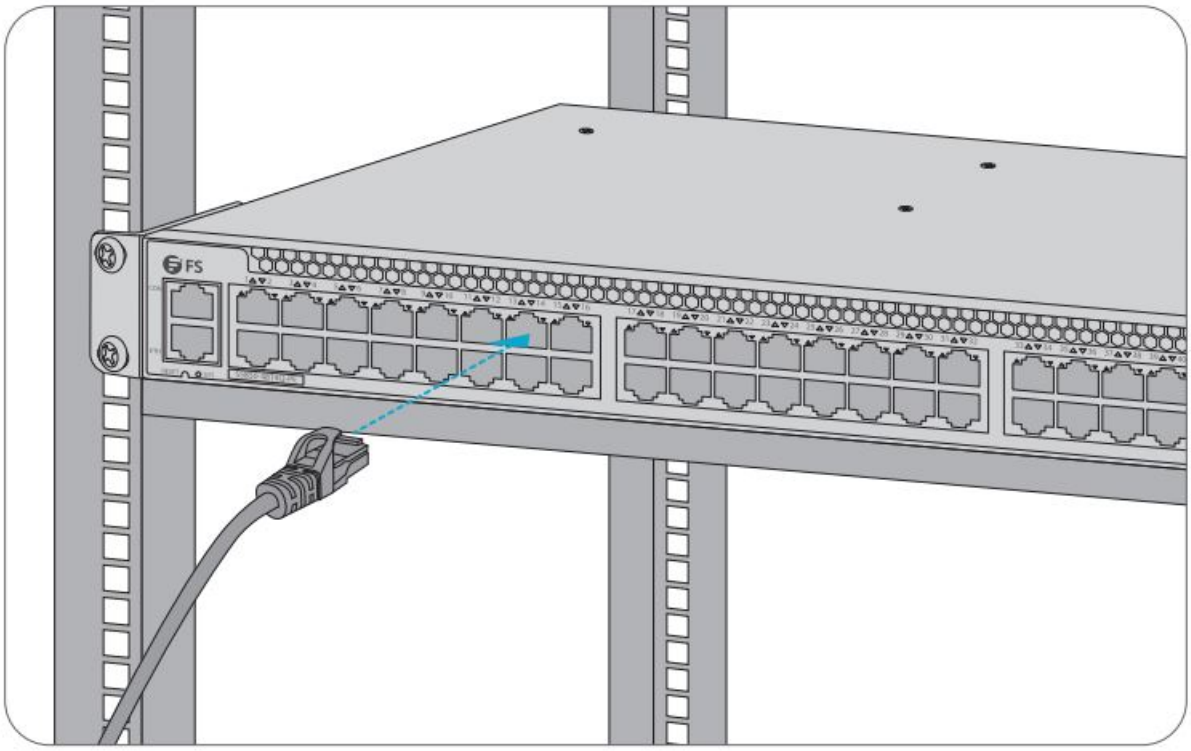
Connecting the Power



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.

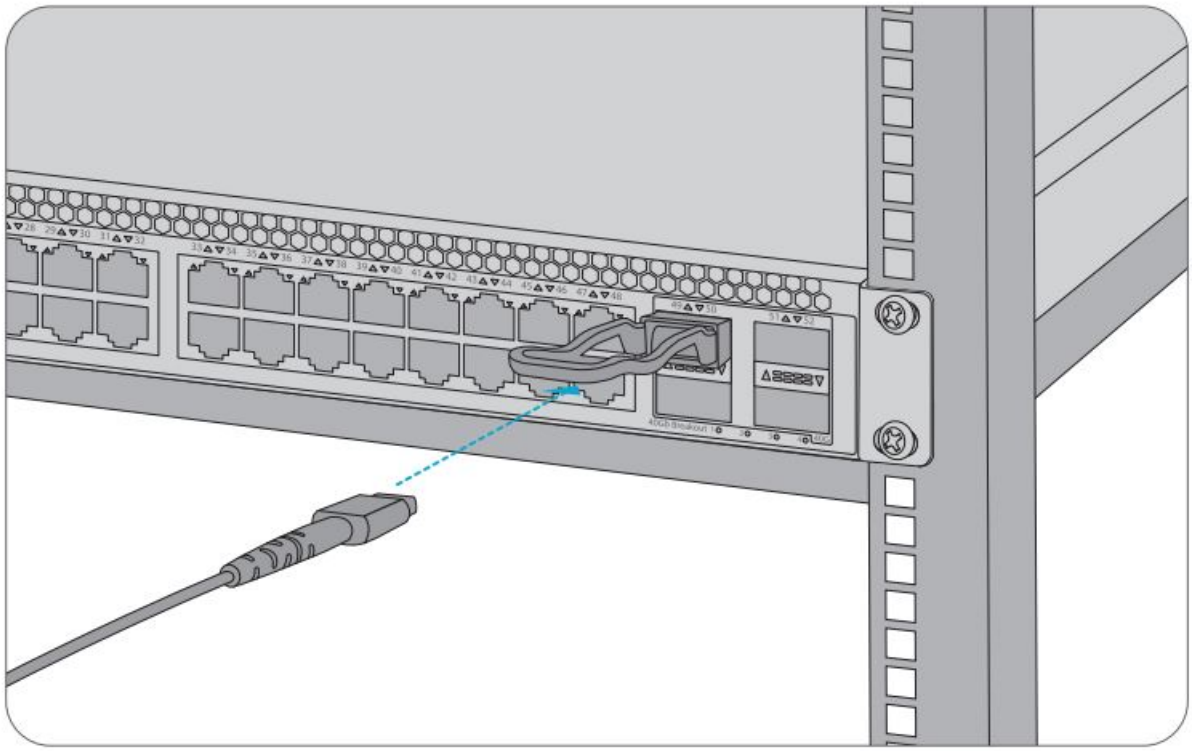
   WARNING: Do not install power cord while the power is on.

Connecting the RJ45 Ports



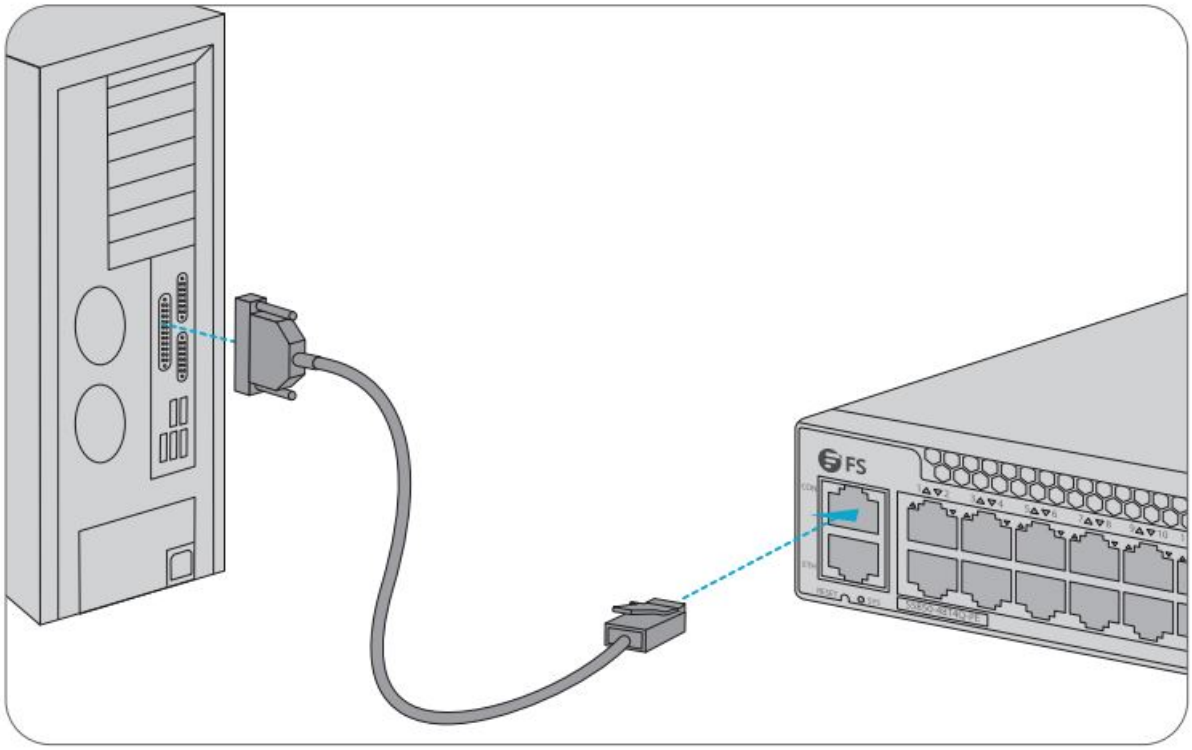
1. Connect an Ethernet cable to RJ45 port of a camera, outdoor AP, computer or other network device.
2. Connect the other end of the Ethernet cable to the RJ45 port of the switch.

Connecting the QSFP+ Ports



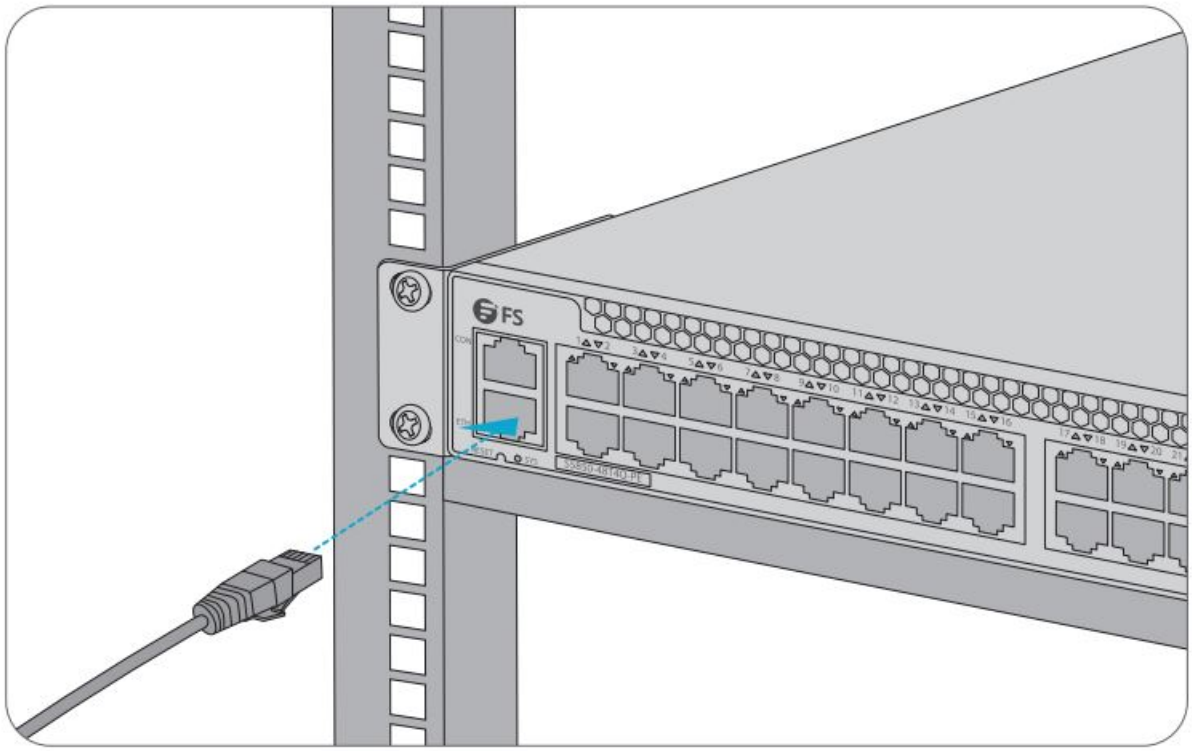
First install OSFP+ transceivers and then connect fiber optic cables to the transceiver ports, or connect DAC cables to the OSFP+ slots.

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

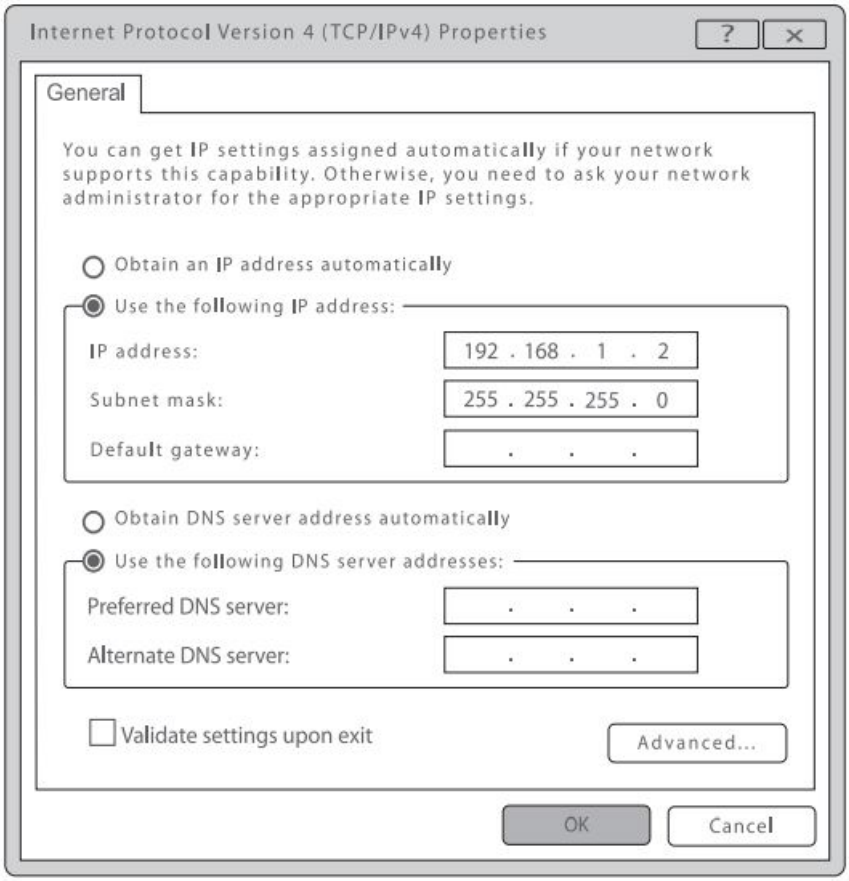


1. Connect one end of a standard RJ45 Ethernet cable to the Ethernet port of a computer.
2. Connect the other end of the cable to ETH port on the front of the switch.

Configuring the Switch

Configuring the Switch Using the Web-based Interface

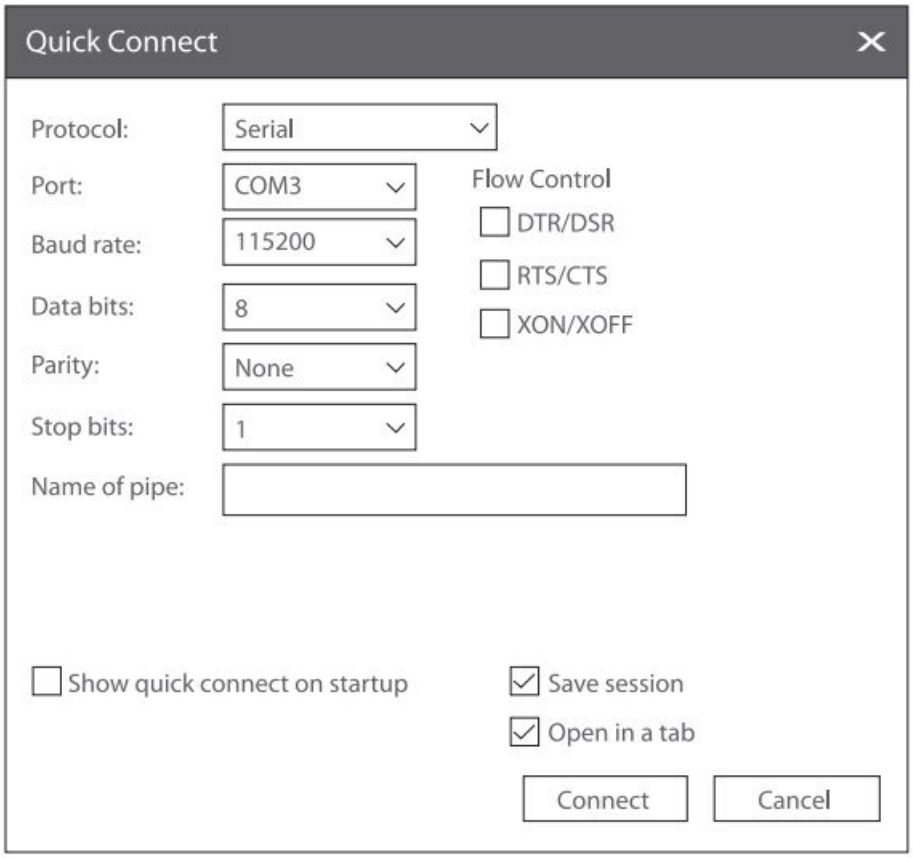
1. **Step 1:** Connect the computer to the management port of the switch using the network cable.
2. **Step 2:** Set the IP address of the computer to 192.168.1. (“x” is any number from 2 to 254.). Set the subnet mask of the computer to 255.255.255.0



3. **Step 3:** open a browser, type http://192.168.1.1, and enter the default username and password, admin/admin.
4. **Step 4:** click sign in to display the web-based configuration page.

Configuring the Switch Using the Console Port

1. **Step1:** Connect a computer to the switch's console port using the supplied console cable.
2. **Step 2:** start simulation software such as HyperTerminal on the computer.
3. **Step 3:** set the parameters of the HyperTerminal: 115200 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.



4. **Step4:** Enter the default username and password, admin/admin.

Troubleshooting

Loading Failure Troubleshooting
After loading fails, the system will keep running in the original version. At this time, users should re-check if physical port connections are good firstly. If some ports are not connected, then re-connect them to ensure that physical connections are correct, and begin re-loading. If physical connections are correct, then check the loading process information displayed on the super terminal to verify if there are input errors. If there are input errors, correct them and re-load.

User Password Lost Troubleshooting
If system password is lost or forgotten, the following method can be used to reset the password:

1. Connect the console port of the switch to computer through the console cable.
2. Press ctrl+b to enter the Uboot mode.
3. Start the system with an empty configuration file with no password.
4. Bootrom#boot_flash_nopass
5. Bootrom#Do you want to revert to default config file?[Y]NE]:

NOTE: Forgetting your username and password and restoring them through console port may cause configuration loss and business interruption. Please remember your username and password.

Power System Troubleshooting
According to the power indicator on the front panel, the switches can be used to determine whether the power system of the switch is faulty. If the power system is working normally, the power indicators should remain lit. If the power indicator is unlit, the power supply system is not working.
Please check the following:

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

Online 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: S5850 series switch enjoys 5 years limited warranty against defects 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 items), information on how to return can be found at **https://www.fs.com/policies/day_return_policy.html**

Compliance Information

FCC

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio if frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Responsible party (only for FCC matter) FS.COM Inc.
380 Centerpoint Blvd, New Castle, DE 19720, United States
https://www.fs.com

CE

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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FS.COM GmbH
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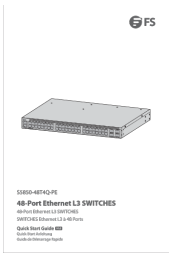
Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (A)NMB-3(A).

Documents / Resources

	FS S5850-48T4Q-PE 48 Port Ethernet L3 Switch [pdf] User Guide S5850-48T4Q-PE, S5850-48T4Q-PE 48 Port Ethernet L3 Switch, 48 Port Ethernet L3 Switch, Ethernet L3 Switch, L3 Switch, Switch

References

- Contact Us - FS.com
- Kontakt - FS.com Deutschland
- Rückgaberecht - FS.com Deutschland
- Ein weltweit führender Anbieter von Hochgeschwindigkeits-Konnektivitätsgeräten und -lösungen. - FS.com Deutschland
- Technische Dokumente - FS.com Deutschland
- Hilfezentrum - FS.com Deutschland
- Comment Nous Contacter - FS.com France
- Politique de retour - FS.com France
- Fournisseur leader de solutions et matériels de connectivité à haut débit - FS.com France
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