



Contents [[hide](#)]

- [1 FS S8550-6Q2C Ethernet Switch](#)
- [2 Product Usage Instructions](#)
- [3 Introduction](#)
- [4 Accessories](#)
- [5 Hardware Overview](#)
- [6 Installation Requirements](#)
- [7 Mounting the Switch](#)
- [8 Wall Mounting](#)
- [9 Connecting the Console Port](#)
- [10 Configuring the Switch](#)
- [11 Troubleshooting](#)
- [12 Online Resources](#)
- [13 Product Warranty](#)
- [14 Compliance Information](#)
- [15 FAQ](#)
- [16 Documents / Resources](#)
 - [16.1 References](#)



FS S8550-6Q2C Ethernet Switch



Specifications

- **Model:** S8550-6Q2C
- **Type:** Ethernet Switch
- **Quick Start Guide Version:** V3.0

Product Overview

The S8550-6Q2C is an Ethernet switch designed for network deployment. It comes with various accessories for installation and setup.

- RJ45 Console Port
- USB Management Port
- Ethernet Management Port
- QSFP+ Ports for 40G Connection
- QSFP28 Ports for 100G Connection

Front Panel LEDs

- SYS ID MGMT LED: Indicates system status and warnings
- RPS LED: Indicates redundant power supply status
- QSFP+/QSFP28 LED: Indicates port connection and data activity

Back Panel Features

- Dual Device Power Interface
- Grounding Point

- Hot-Swappable Fans
- Hot-Swappable Power Supply

Installation Requirements

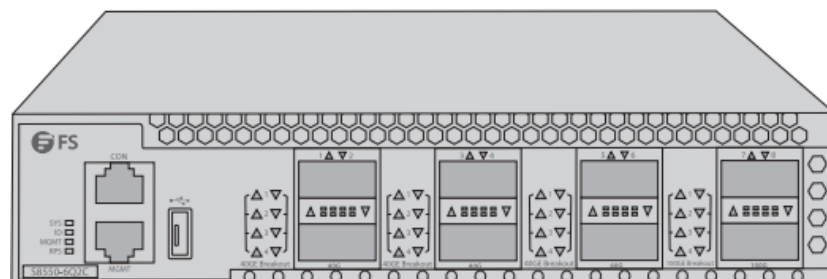
Before installation, ensure you have a Phillips screwdriver, a standard-sized rack with at least 1U height, and Category 5e or higher Ethernet cables.

Product Usage Instructions

1. Fix the mounting bracket to one side of the switch using the rear mounting bracket kit.
2. Secure the rear mounting bracket kit (female) to the rack with two M4 screws.
3. Attach the rear mounting bracket kit (male) to one side of the switch using two M4 screws and assemble the rear mounting bracket kit.

Introduction

Thank you for choosing the switch. This guide is designed to familiarise you with the layout of the switch and describe how to deploy it in your network.

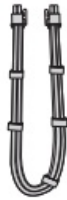


S8550-6Q2C

Accessories



Power Cord x1



RPS Power Cord x1



Console Cable x1



Network Cable x1



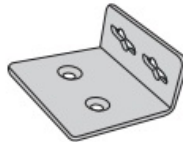
Grounding Cable x1



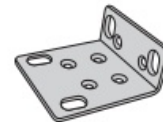
M4 Screw x16



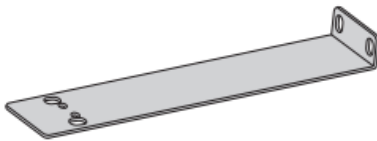
M3 Screw x4



Wall-Mounting Bracket x2



Front Mounting Bracket-Short x1



Front Mounting Bracket-Long x1



Middle Mount-Female x1



Middle Mount-Male x1



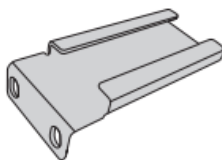
Rear Mounting Bracket Kit-Male x1



M6 Cage Nut x4



M6 Screw x4

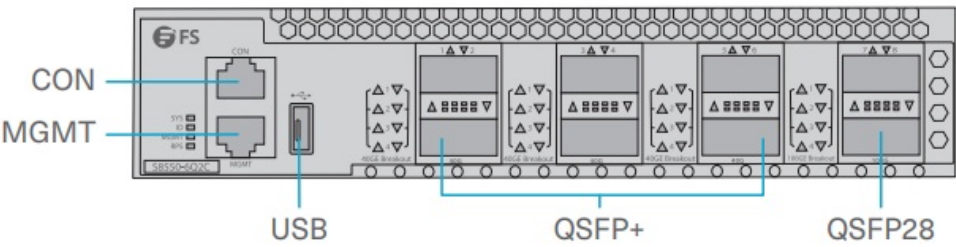


Rear Mounting Bracket Kit-Female x1

- **NOTE:** The accessories may vary from the illustration; please prevail in kind.
- **NOTE:** This power cord cannot be used with other devices, and other power cords should not be used with this device.

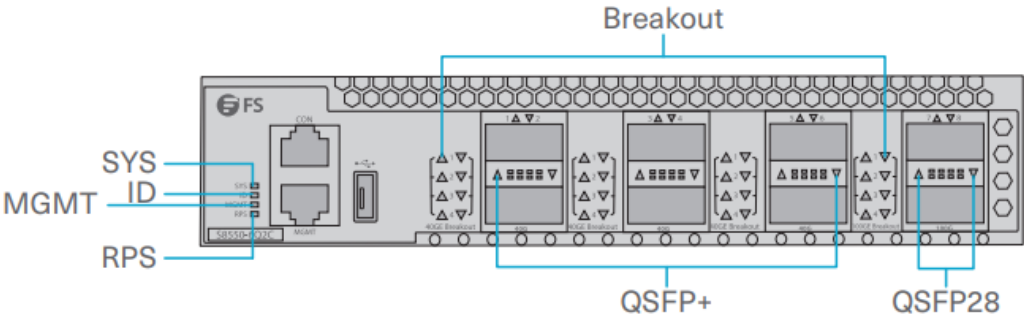
Hardware Overview

Front Panel Ports



Ports	Description
CON	An RJ45 console port for serial management
USB	A USB management port for software configuration, backup, and online software upgrade
MGMT	An out-of-band Ethernet management port
QSFP+	QSFP+ ports for 40G connection
QSFP28	QSFP 28 ports for 100G connection

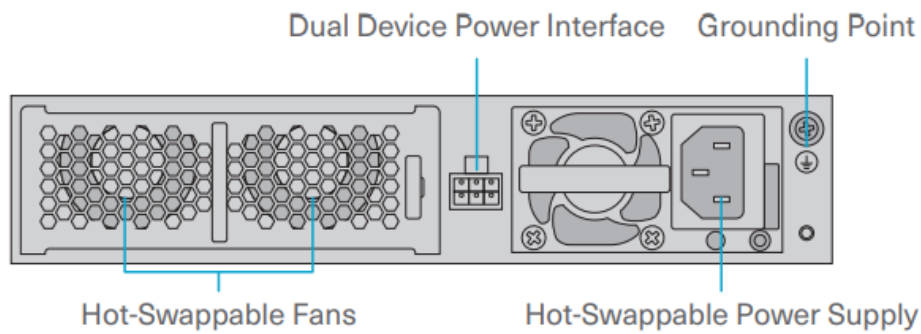
Front Panel LEDs



LEDs	State	Description
SYS	Solid Green	The switch has loaded the agent software code and is operating normally.
	Solid Orange	The system operation warning occurred.
	Off	The system operating or power supply failure occurred.
	Solid Blue	The ID indication function is active.

ID	Off	The ID indication function is inactive.
MGMT	Solid Green	The port is linked at 100M/1000M.
	Blinking Green	The port is linked, and there is data activity.
	Off	The port is linked off.
RPS	Solid Yellow	The redundant power supply from the other switch is not connected.
	Off	The redundant power supply from the other switch is running well.
QSFP+	Solid Green	The port is linked at 40G.
	Blinking Green	The port is linked, and there is data activity.
	Off	The port is linked off or has been split.
40/100 GE Breakout	Solid Green	The split port is linked at 10G/25G.
	Blinking Green	The breakout port is linked, and there is data activity.
	Off	The port is linked off or has been split.
QSFP28	Solid Green	The port is linked at 100G.
	Blinking Green	The port is linked, and there is data activity.
	Solid Orange	The port is linked at 40G.
	Blinking Orange	The port is linked, and there is data activity.
	Off	The port is linked off or has been split.

Back Panel



Installation Requirements

Before starting the installation, make sure that you have the following conditions ready:

- Phillips screwdriver.
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- Category 5e or higher RJ45 Ethernet cables for connecting network devices.

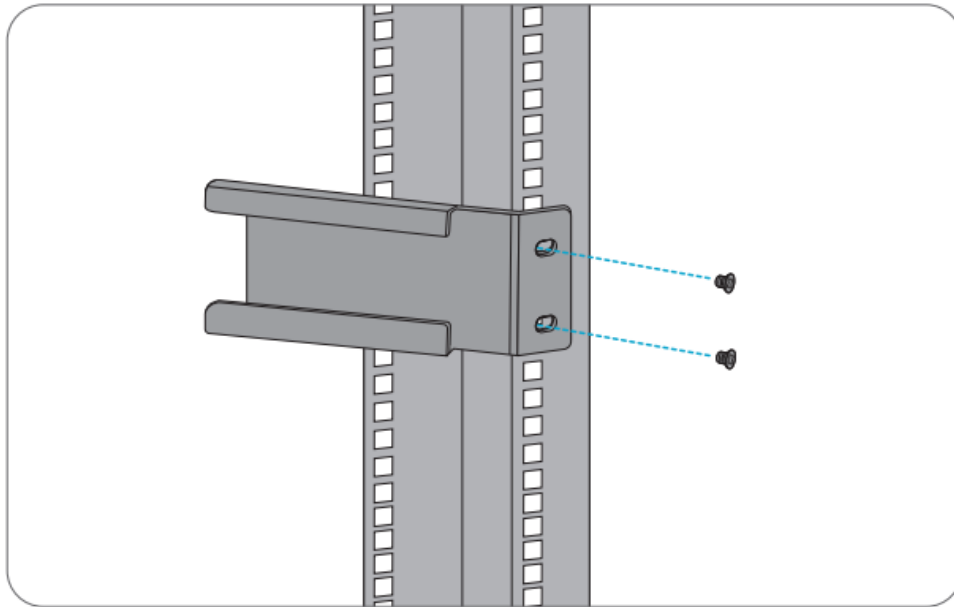
Site Environment:

- Make sure that the temperature of the installation site is maintained at 0°C~50°C.
- Make sure that the relative humidity of the installation site is maintained at 10%~90%.
- The installation site must be free from leaking, dripping water, heavy dew or humidity.
- Keep the installation site dust-free.
- The installation site must be well-ventilated.
- Ensure that there is adequate airflow around the switch.
- Make sure that the switch is level and stable to avoid any hazardous conditions.
- Make sure that the rack and working platform are well-earthed.

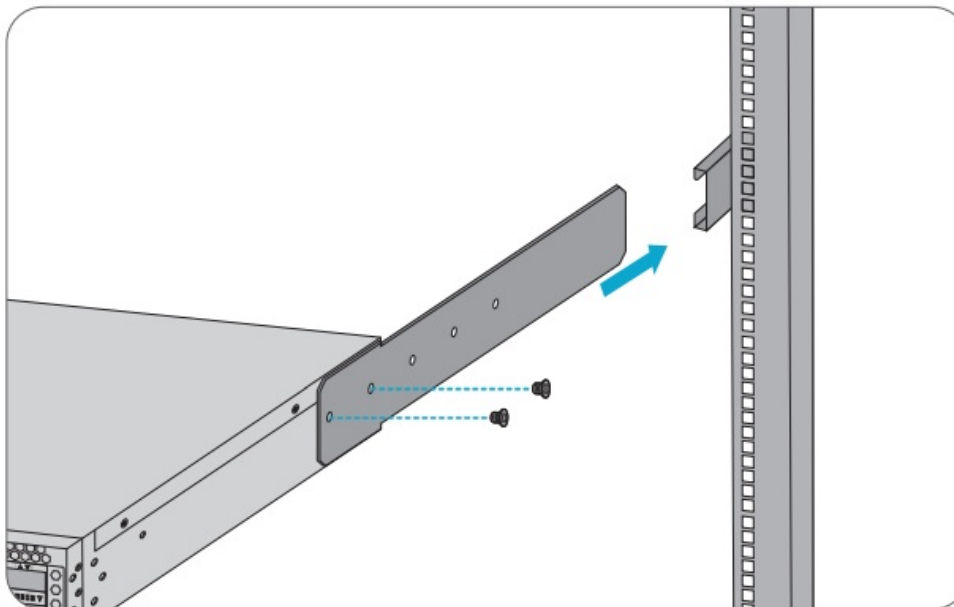
Mounting the Switch

Rack Mounting-Single Switch Deployment

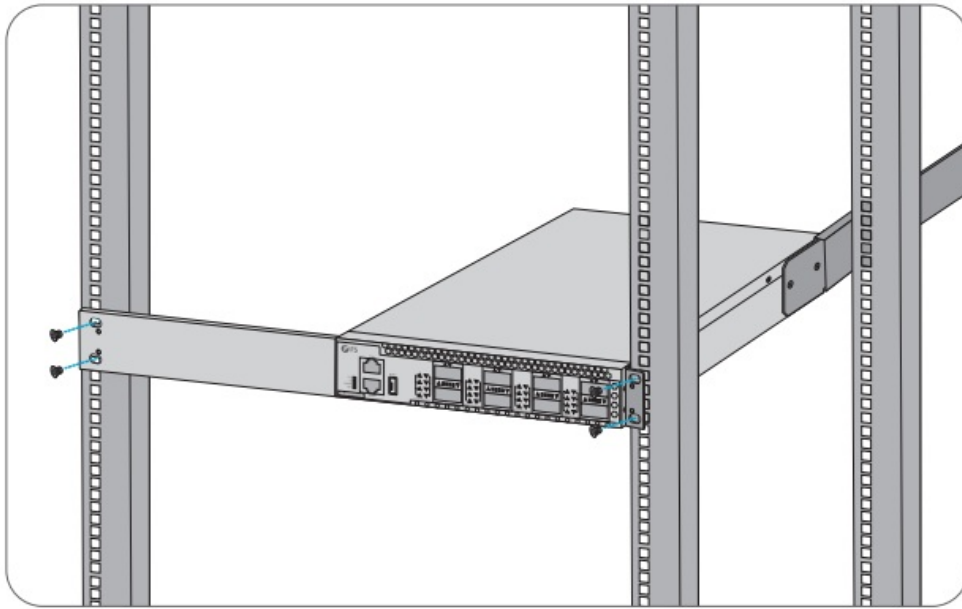
1. **Rear mounting bracket kit:** Fix the mounting bracket to one side of the switch.



2. Fix the rear mounting bracket kit (female) to the rack with two M4 screws.

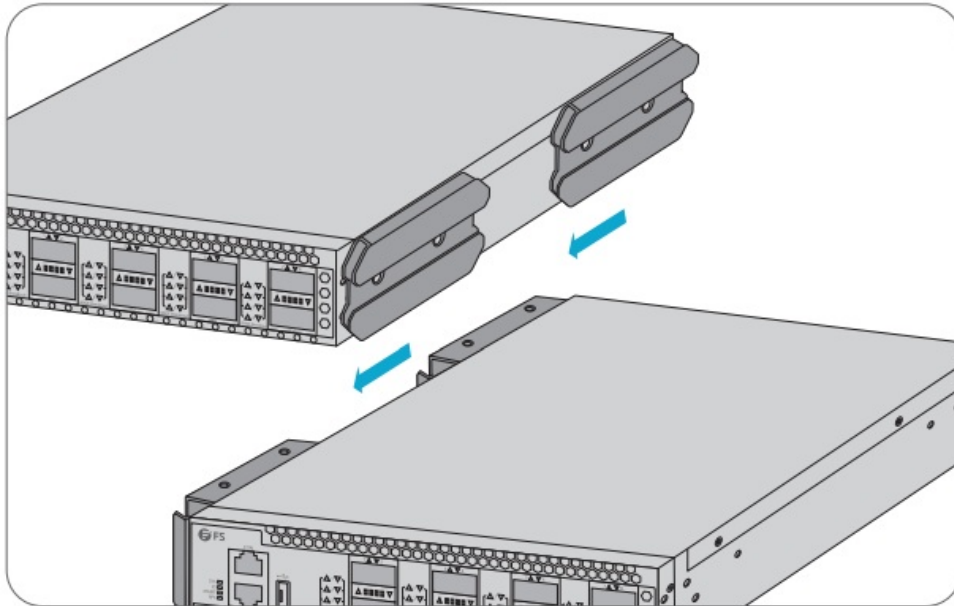


3. Fix the rear mounting bracket kit (male) to one side of the switch with two M4 screws, and assemble the rear mounting bracket kit.
4. Front rack installing: Fix the front mounting bracket kit (short and long) to the two sides of the switch with eight M4 screws.

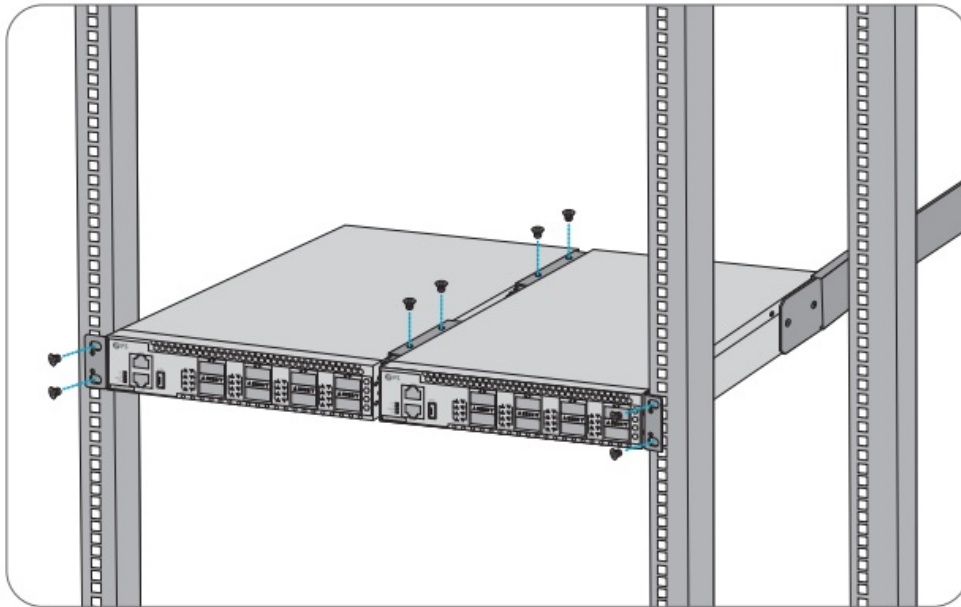


5. Fix the switch to the rack with M6 screws and cage nuts.

Rack Mounting-Two-in-1U Deployment

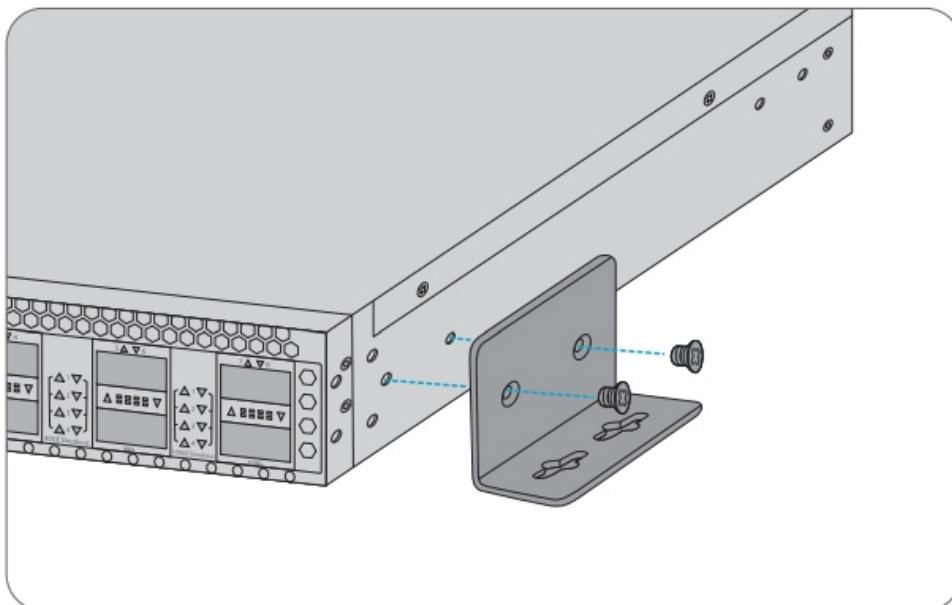


1. Fix two middle mounts-female to Switch A with four M4 screws.
2. Fix two middle mounts-male to Switch B with four M4 screws.
3. Combine two switches, and Fix the combined middle mount kits with four M4 screws.

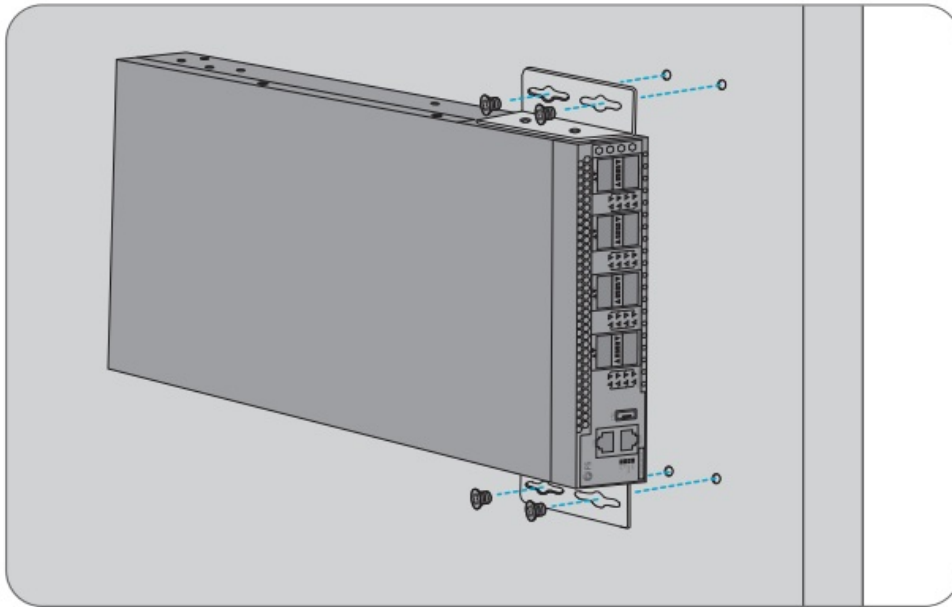


4. **Front rack mount installing:** Fix the two front mount ears kit (short) to the two sides of the switch with eight M4 screws.
5. Fix the switch to the rack with M6 screws and cage nuts.
6. Fix the rear mount ears kit as needed.

Wall Mounting

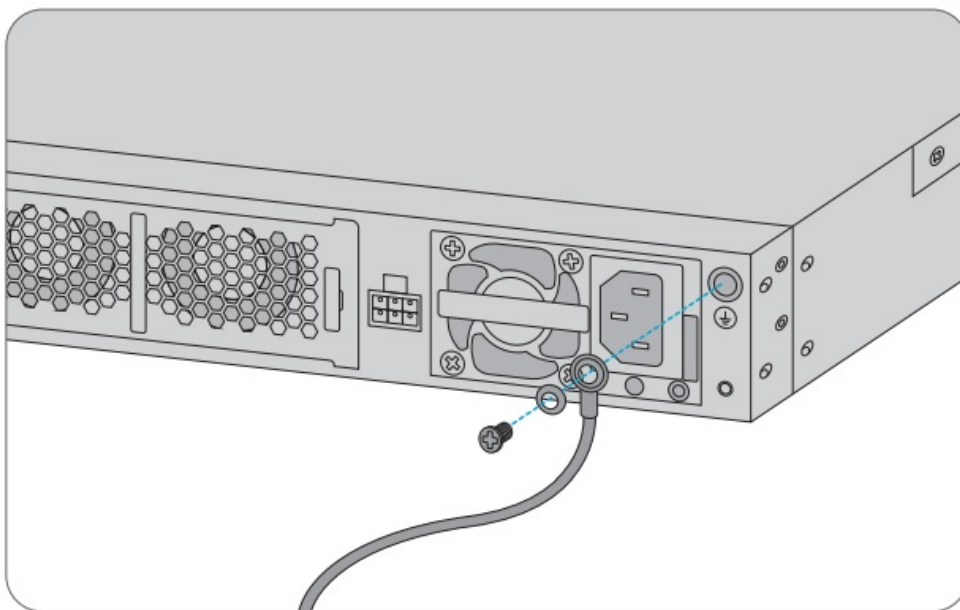


1. Fix the mounting brackets to the two sides of the switch with M4 screws.



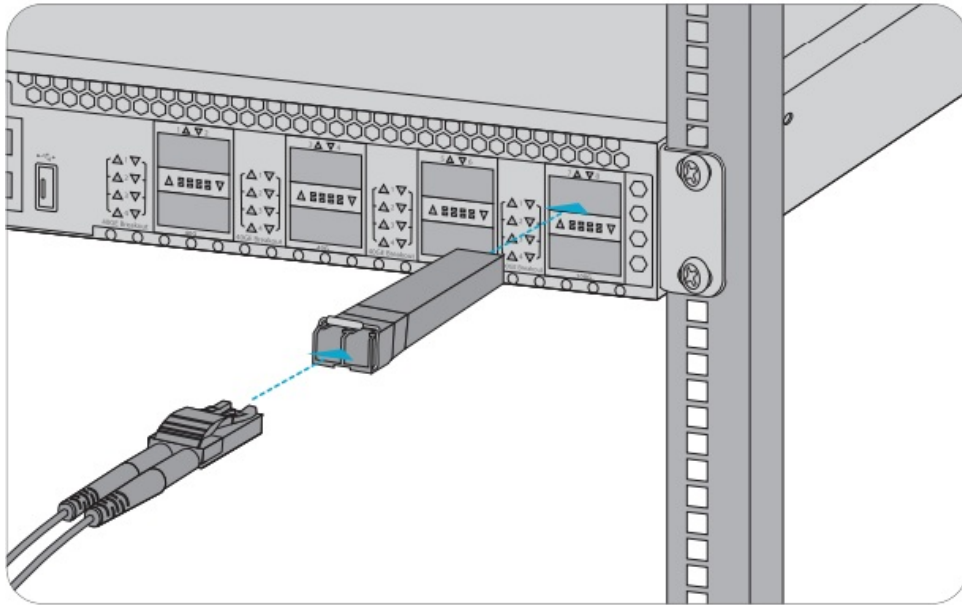
2. Use the expansion screws (self-prepared) to securely attach the mounting brackets to the wall.

Grounding the Switch



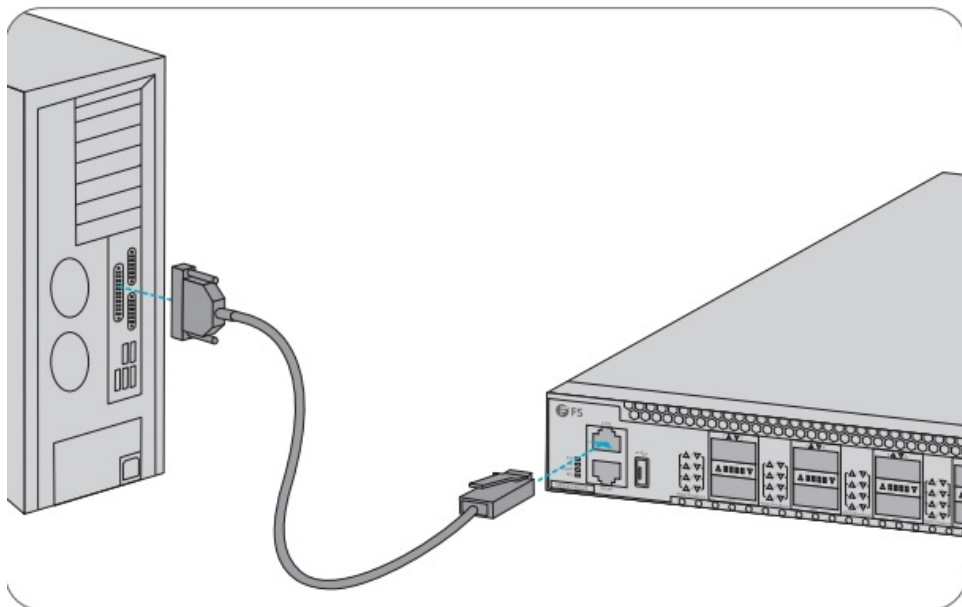
1. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the switch is mounted.
2. Secure the grounding lug to the grounding point on the back panel of the switch with the washers and the screw.
 - **CAUTION:** The earth connection cannot be removed unless all connections are disconnected.

Connecting the QSFP+/QSFP28 Ports



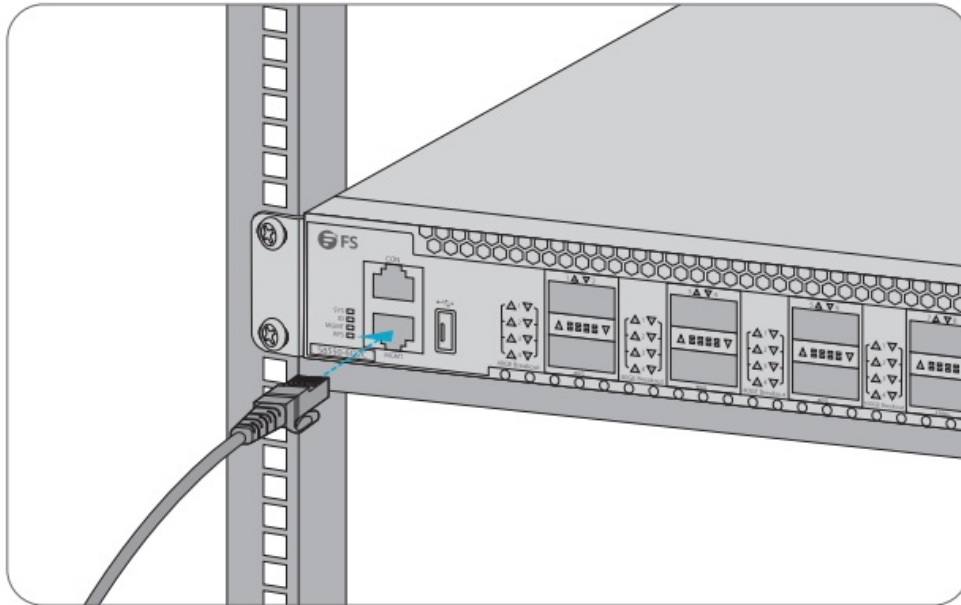
1. Plug the compatible QSFP+/QSFP28 transceiver into the QSFP+/QSFP28 port.
2. Connect a fibre optic cable to the fibre transceiver. Then connect the other end of the cable to another fibre device.
3. **WARNING:** Laser beams will cause eye damage. Do not look into the bores of transceivers or fibre-optical cables without eye protection.

Connecting the Console Port



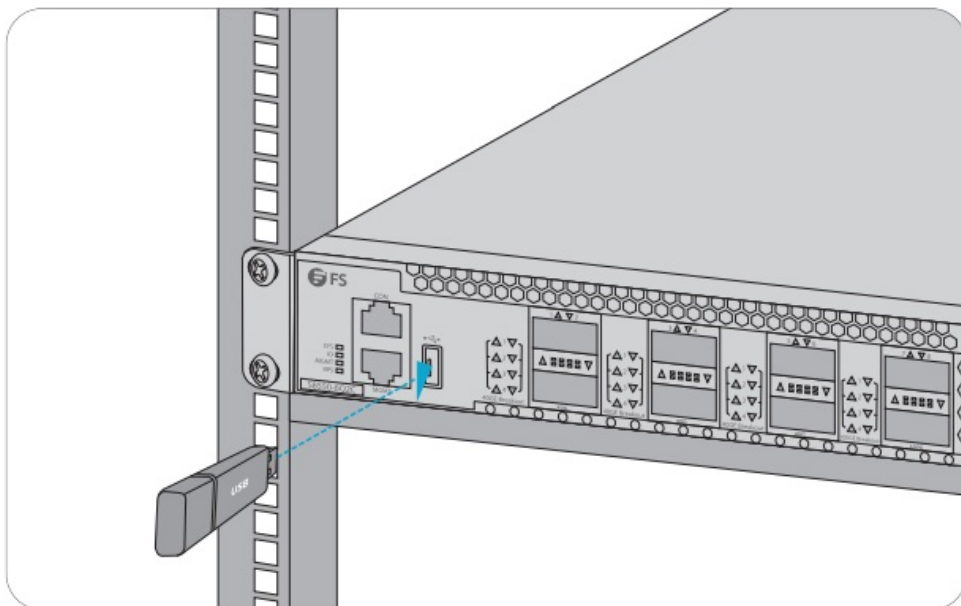
1. Insert the RJ45 connector of the console cable into the RJ45 console port of the switch.
2. Connect the DB9 female connector of the console cable to the serial port of the computer.

Connecting the MGMT Port



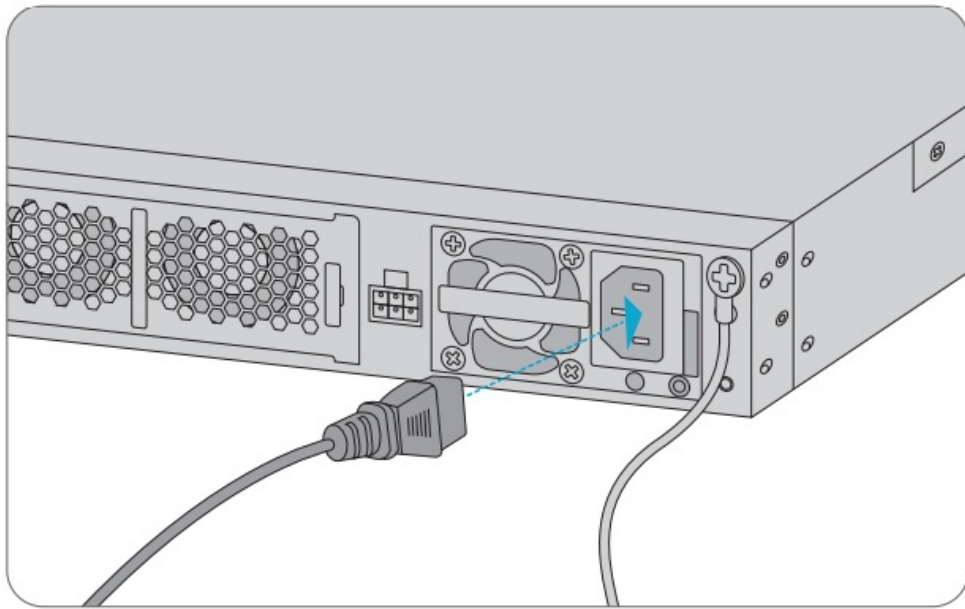
1. Connect one end of a standard RJ45 Ethernet cable to the MGMT port of the switch.
2. Connect the other end of the cable to a computer.

Connecting the USB Port

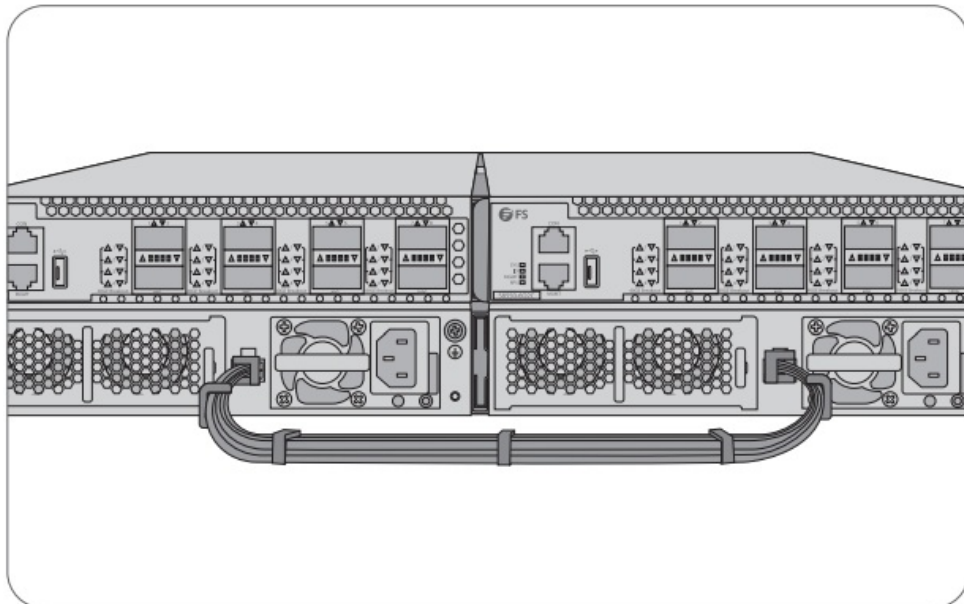


Insert the Universal Serial Bus (USB) flash disk into the USB port for software and configuration backup and online software upgrade.

Connecting the Power



1. Plug the AC power cord into the power port on the back panel of the switch.
2. Connect the other end of the power cord to an AC power source.



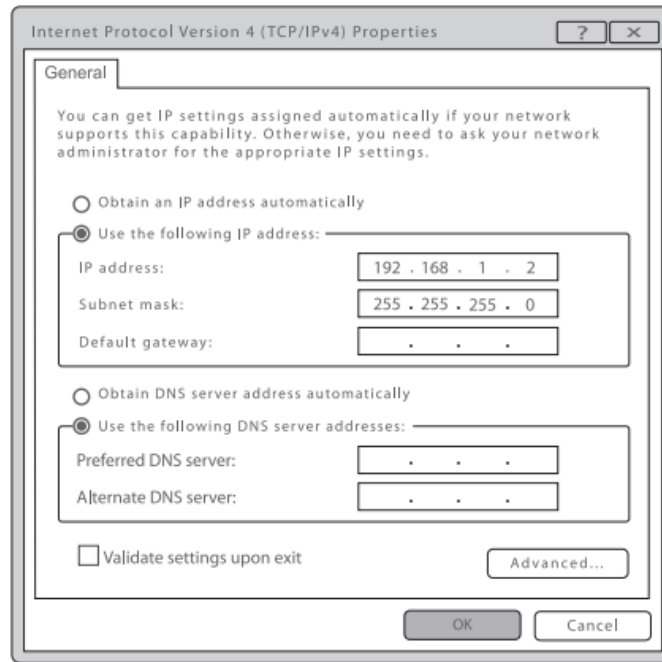
3. The S8550-6Q2C power cord can connect two switches and realise the power redundancy between the two switches.
 - Furthermore, when the power supply of Switch A fails, the power supply from the other Switch B can supply power to Switch A and itself at the same time.
 - **WARNING:** Do not install the power cord while the power is on.

Configuring the Switch

Configuring the Switch via the Web-Based Interface

1. **Step 1:** Connect your 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 (“x” is any number from 2 to 254).



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 Login to display the web-based configuration page.



Configuring the Switch via the Console Port

1. **Step 1:** Connect a computer to the switch's console port using the console cable.
2. **Step 2:** Start the terminal 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. **Step 4:** After setting the parameters, click Connect to enter.

Troubleshooting

The Power Module cannot Supply Power

All LEDs on the front panel of the switch, the fan module and the panel of the power module are off. The fan does not work. First, disconnect the power cord of the power module, then check the following.

1. Whether the cable connections of the rack are correct.
2. Whether the connection between the power socket and the power cord is loose.
3. Whether the connection between the power module and the power cord is loose.
4. Whether the power module is inserted into place.

Connecting the Switch Remotely Unsuccessfully

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

The Optical Port Cannot Link Up

1. Check whether the receiving and delivering ends of the fibre optical cable connect correctly.

2. Check whether the wavelengths of the transceivers of the interconnection are the same.
3. Check whether the distance of the interconnection is within the distance marked by the transceiver.
4. Check whether the rates of the interconnection are the same or whether the mode of the port rate is configured correctly for ports that support different rates.
5. Check whether the optical fibre type meets the requirements.

No Characters/Distorted Characters are Displayed on the Screen of the Terminal Device

1. Check whether the console cable is correctly connected.
2. Check whether the console cable is broken.
3. Check whether the console port of the switch is the same as the port of the terminal device.
4. Check whether the console port configuration of the terminal device is correct.

Online Resources

- Download https://www.fs.com/products_support.html
- Help Centre https://www.fs.com/service/fs_support.html
- Contact Us https://www.fs.com/contact_us.html

Product Warranty

- FS ensures our customers that for 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:** The product enjoys a 5-year limited warranty against defects in materials or workmanship. For more details about the warranty, please visit <https://www.fs.com/policies/warranty.html>



- **Return:** If you want to return the item(s), information on how to return can be

Compliance Information

FCC

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, under 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 under 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.

CE

- **Warning:** This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.
- **FS.COM** GmbH hereby declares that this device is in compliance with the Directive 2014/30/EU, 2014/35/EU, 2011/65/EU and (EU)2015/863. A copy of the EU Declaration of Conformity is available at www.fs.com/company/quality_control.html.



- **Caution:** Shock hazard. Disconnect all power sources.

UKCA

- Hereby, **FS.COM** Innovation Ltd declares that this device complies with the Directive

SI 2016 No. 1091, SI 2016 No. 1101 and SI 2012 NO. 3032.

- FS.COM INNOVATION LTD
- Unit 8, Urban Express Park, Union Way, Aston, Birmingham, B6 7FH, United Kingdom

ISED

CAN ICES-003(A)/NMB-003(A)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, 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-003(A)/NMB-003(A).


WEEE

Waste Electrical and Electronic Equipment (WEEE)

- This appliance is labelled under European Directive 2012/19/EU concerning waste electrical and electronic equipment (WEEE). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.
- To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

Equipment Grounding Warning




-  This equipment must be grounded. To reduce the risk of electric shock, never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor.
- Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.
- **Copyright © 2024 [FS.COM](#) All Rights Reserved.**
- **Q.C. PASSED**

FAQ

- **Q: Can I use a different power cord with this device?**
 - **A:** No, the power cord provided should be used exclusively with this device. Using other power cords may cause damage.
- **Q: What cables are needed for network connection?**
 - **A:** You will need Category 5e or higher RJ45 Ethernet cables to connect network devices to the switch.

Documents / Resources

 <small>FS S8550-6Q2C ETHERNET SWITCH 6Q2C, V2.0, V3.0, S8550-6Q2C Ethernet Switch, S8550-6Q2C, Ethernet Switch, Switch</small>	FS S8550-6Q2C Ethernet Switch [pdf] User Guide 6Q2C, V2.0, V3.0, S8550-6Q2C Ethernet Switch, S8550-6Q2C, Ethernet Switch, Switch
---	---

References

- [User Manual](#)

6Q2C, Ethernet Switch, FS, S8550-6Q2C, S8550-6Q2C Ethernet Switch, switch, v2.0,

FS V3.0



Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

Search

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.