

QFX5210 Quick Start Guide

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Mounting and Connecting Power to the Switch

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Before You Start

The QFX5210-64C is available in AC and DC power models. Mount QFX5210-64C models only in a four-post rack. This procedure describes the installation into a four-post rack and connecting AC power. For DC connection procedures, see the complete QFX5210 hardware documentation at <https://www.juniper.net/documentation/>.

To install a Juniper Networks QFX5210, you need:

- Electrostatic discharge (ESD) grounding strap (not provided)
- One pair of mounting rails (provided)
- One pair of mounting blades (provided)
- Eight screws to secure the chassis and mounting blades to the rack (not provided)
- Twelve #2 Phillips, M4 screws to secure the mounting rails to the chassis (provided)
- Screwdriver appropriate for your rack mounting screws (not provided)
- Two power cords with plugs appropriate for your geographical location (provided)
- RJ-45 cable and RJ-45 to DB-9 serial port adapter (not provided)

NOTE: We no longer include a DB-9 to RJ-45 cable or a DB-9 to RJ-45 adapter with a CAT5E copper cable as part of the device package. If you require a console cable, you can order it separately with the part number JNP-CBL-RJ45-DB9 (DB-9 to RJ-45 adapter with a CAT5E copper cable)

- Management host, such as a PC laptop, with a serial port (not provided)

- Grounding cable kit with bracket, lug, and 10-32 screws (not provided). To install the grounding cable and lug to earth ground, see [QFX5210 Hardware Guide](#).

Mount the Switch

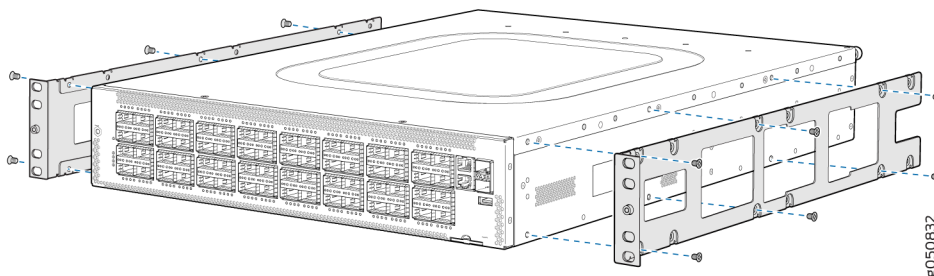
To mount the switch in a 4-post 19 inch rack:

1. Attach the ESD grounding strap to your bare wrist and to a site ESD point.

NOTE: If you are mounting multiple units in the rack, mount the heaviest device at the bottom and mount the others from bottom to top in order of decreasing weight. The QFX5210-64C weighs approximately 31.09 lb (14.1 kg) with power supplies and fans installed. Installing these devices in a rack or cabinet requires two people to lift the switch and secure it to the rack.

2. Place the rack in its permanent location, allowing adequate clearance for airflow and maintenance, and secure it to the building structure.
3. Determine whether the end with field replaceable units (FRUs) or the ports are to be placed at the front of the rack.
4. Align the holes in the mounting rail with the holes on the side of the chassis.
5. Attach the mounting rail to the device using six mounting screws. See [Figure 1 on page 2](#).

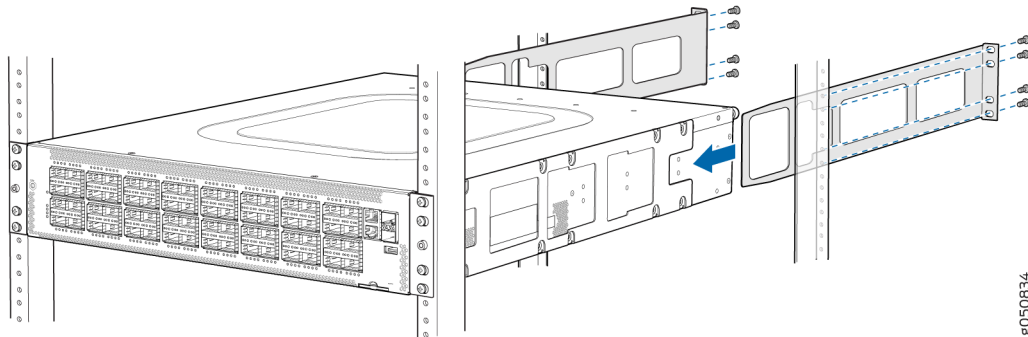
Figure 1: Attaching the Rails to the Chassis



6. Repeat steps 4 and 5 on the opposite side of the device.
7. Have one person grasp both sides of the unit, lift it, and position it in the rack so that the mounting rail is aligned with the rack holes.

8. Have a second person secure the front of the device to the rack using four mounting screws (and cage nuts and washers if your rack requires them). Tighten the screws.
9. Continue to support the device while sliding the mounting blades into the channel of the mounting rails and securing the blades to the rack. Use the four mounting screws (and cage nuts and washers if your rack requires them) to attach each blade to the rack. Tighten the screws. See [Figure 2 on page 3](#).

Figure 2: Slide Blades into Mounting Rails and Attach to the Rack



10. Ensure that the chassis is level by verifying that all the screws on the front of the rack are aligned with the screws at the back of the rack.
11. Attach a grounding cable to earth ground and then attach it to the chassis grounding points.

Connect Power to the Device

The device is supplied with two factory-installed power supplies. To connect power to an AC-powered switch:

1. If the AC power source outlet has a power switch, set it to the OFF (0) position.
2. Insert the coupler end of the power cord into the AC power cord inlet on the AC power supply faceplate.
3. Push the power cord retainer onto the power cord.
4. Insert the power cord plug into the power source outlet.
5. If the AC power source outlet has a power switch, set it to the ON (I) position.
6. Verify that the AC and the DC LEDs are lit green and on steadily.

Performing the Initial Software Configuration for the QFX5210

Before you begin connecting and configuring a QFX5210, set the following parameter values on the console server or PC:

- Baud Rate—9600
- Flow Control—None
- Data—8
- Parity—None
- Stop Bits—1
- DCD State—Disregard

You must perform the initial configuration of the QFX5210 through the console port using the command-line interface (CLI) or through Zero Touch Provisioning (ZTP). In order to use ZTP to provision the device, you must have access to a Dynamic Host Control Protocol (DHCP) server and a File Transfer Protocol (anonymous FTP), Hypertext Transfer Protocol (HTTP), or Trivial File Transfer Protocol (TFTP) server on which the software image and configuration files are stored. For more information about using ZTP for provisioning the device, see [Understanding Zero Touch Provisioning](#).

To connect and configure the switch from the console:

1. Connect the console port to a laptop or PC using an RJ-45 cable and RJ-45 to DB-9 adapter. The console (**CON**) port is located on the management panel of the switch.
2. Log in as **root**. There is no password. If the software booted before you connected to the console port, you might need to press the Enter key for the prompt to appear.

```
login: root
```

3. Start the CLI.

```
root@% cli
```

4. Enter configuration mode.

```
root> configure
```

5. Add a password to the root administration user account.

```
[edit]
root@# set system root-authentication plain-text-password
New password: password
Retype new password: password
```

6. (Optional) Configure the name of the switch. If the name includes spaces, enclose the name in quotation marks (" ").

```
[edit]
root@# set system host-name host-name
```

7. Configure the default gateway.

```
[edit]
root@# set routing-options static route default next-hop address
```

8. Configure the IP address and prefix length for the switch management interface.

```
[edit]
root@# set interfaces em0 unit 0 family inet address address/prefix-length
```

NOTE: The management port `em0 (C0)` is found on the FRU end of the QFX5210 switch.

9. (Optional) Configure the static routes to remote prefixes with access to the management port.

```
[edit]
root@# set routing-options static route remote-prefix next-hop destination-ip retain no-
readvertise
```

10. Enable telnet service.

```
[edit]
root@# set system services telnet
```

NOTE: When Telnet is enabled, you cannot log in to a QFX5210 switch through Telnet using root credentials. Root login is allowed only for SSH access.

11. Enable SSH service for root login.

```
[edit]
root@# set system services SSH
```

12. Commit the configuration to activate it on the switch.

```
[edit]
root@# commit
```

Safety Warnings Summary

IN THIS SECTION

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- [Contacting Juniper Networks | 7](#)

This is a summary of safety warnings. For a complete list of warnings, including translations, see the hardware documentation at <https://www.juniper.net/documentation/>.



WARNING: Failure to observe these safety warnings can result in personal injury or death.

- Permit only trained and qualified personnel to install or replace device components.
- Perform only the procedures described in this quick start and the hardware guide. Other services must be performed only by authorized service personnel.
- Before installing the device, read the planning instructions in the hardware guide to make sure that the site meets power, environmental, and clearance requirements for the device.

- Before connecting the device to a power source, read the installation instructions in the hardware guide.
- Manually installing the device in a rack or cabinet at a height above 60 in. (152.4 cm) requires two people to lift the unit and install mounting screws. To prevent injury, keep your back straight and lift with your legs, not your back.
- If the rack or cabinet has stabilizing devices, install them in the rack before mounting or servicing the switch in the rack or cabinet.
- Before installing or after removing an electrical component, always place it component-side up on a flat antistatic mat or in an antistatic bag.
- Do not work on the device or connect or disconnect cables during electrical storms.
- Before working on equipment that is connected to power lines, remove jewelry, including rings, necklaces, and watches. Metal objects heat up when connected to power and ground and can cause serious burns or become welded to the terminals.

Power Cable Warning (Japanese)

The attached power cable is only for this product. Do not use this cable for another product.

注意

附属の電源コードセットはこの製品専用です。
他の電気機器には使用しないでください。

#1410300

Contacting Juniper Networks

For technical support, see <https://www.juniper.net/support/requesting-support.html>.

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