

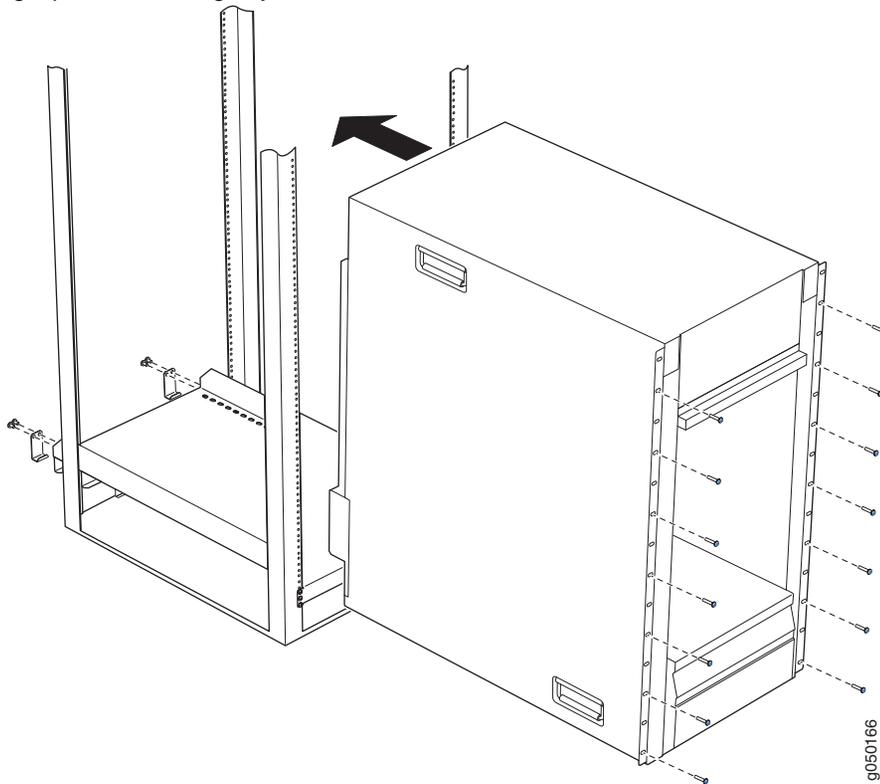
# QFX3008-I Interconnect Device Quick Start

See the complete QFX Series documentation at <http://www.juniper.net/techpubs/>.

To install a Juniper Networks QFX3008-I Interconnect device, you need:

- Mechanical lift rated for at least 750 lb (340.2 kg) (not provided)
- Rack mounting shelf, rear support bracket, and two rear support anchors (provided)
- 32 mounting screws appropriate for your four-post rack or cabinet (12 to attach the rear support bracket to the rack, 6 to attach the rack mounting shelf to the rack, and 14 to attach the chassis to the rack) (not provided)
- Screwdriver appropriate for your rack mounting screws (not provided)
- Phillips (+) screwdriver, number 2, to remove and tighten screws
- Grounding cable—minimum 2 AWG (33.6mm<sup>2</sup>), minimum 60° C wire—with appropriate grounding lug (provided) attached by a licensed electrician
- Four screws to secure the rear support anchors to the chassis (provided)
- Six power cords with a plug appropriate for your geographical location and six power cord retainer clips to secure the cords to the wiring tray (provided)

**NOTE:** These instructions apply only to a four-post 19-in. rack or cabinet installation and single-phase AC wiring trays.



## Part 1: Install the Device

1. Place the rack in its permanent location, allowing adequate clearance for airflow and maintenance, and secure it to the building structure.
- NOTE:** If you are mounting multiple units in the rack, mount the heaviest unit at the bottom of the rack and mount the others from bottom to top in order of decreasing weight.
2. On the rear of each rear rack rail, partially insert a mounting screw 1 U below where you intend to install the chassis.
  3. Install the rear support bracket on the rear of the rear rack rails. Rest the bottom slot of the rear support bracket on a mounting screw. The rear support bracket extends toward the center of the rack.
  4. Partially insert screws into the open holes in the rear support bracket. Tighten all the screws.
  5. On the front of each front rack rail, partially insert a mounting screw 1 U below where you intend to install the chassis.
  6. Install the four-post rack mounting shelf on the front rack rails. Rest the front of the four-post rack mounting shelf on the mounting screws you installed on the front rack rails. Rest the back of the four-post rack mounting shelf on top of the rear support bracket.
  7. Partially insert screws into the open holes in the four-post rack mounting shelf. Tighten all the screws.
  8. Fasten the four-post mounting shelf to the rear support bracket by partially inserting the flat-head screws provided in the accessory kit into the open holes on top of the four-post mounting shelf. Several holes are provided on top of the shelf. Two holes on each side of the shelf will align with the holes in the rear support bracket. Tighten all the screws.
  9. Using the mechanical lift, position the device in the rack and install a mounting screw into each of the front mounting flange holes that align with the rack rails.

## Part 2: Connect the Device to Earth Ground and Attach Rear Support Anchors

1. Connect one end of the grounding cable to a proper earth ground, as defined by local electrical codes.
2. Hook the rear support anchors around the bottom rear flange of the mounting shelf so that its holes line up with the grounding lug screw holes at the bottom left and right corner of the chassis rear.
3. Place the grounding lug attached to the grounding cable over one of the rear support anchors, and secure the lug and rear support anchors with the provided UNC 1/4-20 (right side) screws and M6 (left side) screws.

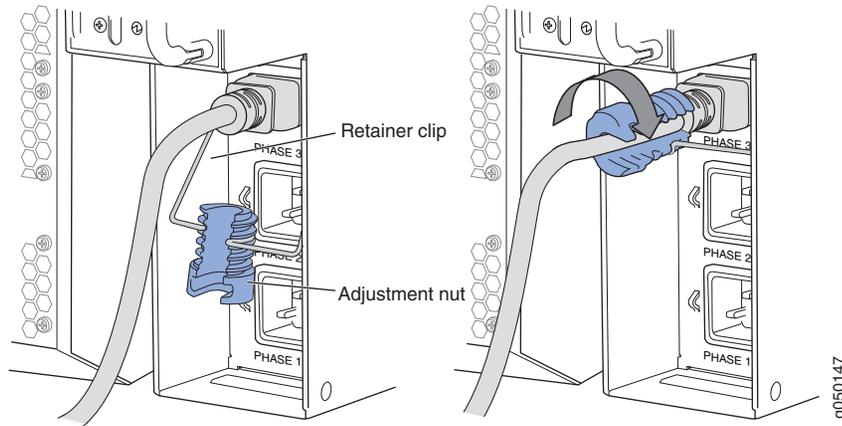
## Part 3: Connect Single-Phase AC Power to the Device

Wiring trays come preinstalled in the chassis. For each wiring tray:

1. Ensure that the wiring tray is fully inserted and latched securely in the chassis.
2. Set the wiring tray power switch to the OFF (O) position.
3. Insert one of the L-shaped clip ends of the power cord retainer clip into the bracket hole on one side of the AC appliance inlet on the wiring tray.



4. Gently pull the other side of the power cord retainer clip outward and secure it in the hole on the opposite side of the AC appliance inlet on the wiring tray.
5. Insert the coupler end of the power cord into the AC appliance inlet.
6. Push the power cord into the slot in the adjustment nut. Turn the nut until it is against the base of the coupler and the slot in the nut is turned 90° from the top of the switch.



7. If the AC power source outlet has a power switch, set it to the OFF (O) position.
8. Insert the power cord plug into the power source outlet.
9. Repeat Step 3 through Step 6 for each AC appliance inlet.
10. If the AC power source outlet has a power switch, set it to the ON (I) position.
11. Set the wiring tray power switch to the ON (I) position.
12. Verify that each LED on the wiring tray faceplate is lit solid green. Verify that each LED on the power supply faceplate is lit solid green.

#### Part 4: Next Steps

The initial connection and configuration of your Juniper Networks QFX3000-G QFabric System are beyond the scope of this quick start. The following steps provide an overview of the tasks required to complete the setup process for your QFabric system. For detailed information about the following steps, see the *QFX3000-G QFabric System Deployment Guide* at <http://www.juniper.net/techpubs/>.

1. Connect up to four of the Gigabit Ethernet SFP ports on each control board on the QFX3008-I Interconnect device to the Juniper Networks EX4200 Ethernet Switch Virtual Chassis that connects the control plane network. Each device in your QFX3000-G QFabric system is connected to the control plane through the Virtual Chassis.
2. Connect the 40-Gigabit Ethernet QSFP+ ports on each 16-port QSFP+ front card on the QFX3008-I Interconnect device to one or more of the QSFP+ uplink ports on each Juniper Networks QFX3500 or QFX3600 Node device in your QFabric system. This connects the data plane for your QFabric system.

3. Once each device in your QFabric system is connected to the control plane and management network, and the data plane is connected, you configure your QFabric system using the Director software installed on the Juniper Networks QFX3100 Director group.

#### Safety Warnings Summary

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

**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 here and the QFX Series documentation. Other services must be performed only by authorized service personnel.
- Before installing the device, read the planning instructions in the QFX Series documentation 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 QFX Series documentation.
- Do not install the QFX3008-I Interconnect device chassis without a mechanical lift.
- If the rack has stabilizing devices, install them in the rack before mounting or servicing the device in the rack.
- The device is pluggable type A equipment installed in a restricted-access location. It has a separate protective earthing terminal provided on the chassis. This separate protective earthing terminal must be permanently connected to earth ground for installations that require a separate grounding connector to the chassis.
- 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.
- Do not mix AC and DC power supplies in the same chassis.

#### Power Cable Warning (Japanese)

注意

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

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。

#### Contacting Juniper Networks

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