5. Slide the transceiver until the connector is seated in the component slot. If you are unable to fully insert the transceiver, make sure the connector is facing the right way.
6. Close the ejector handle of the transceiver.
7. Remove the rubber safety cap from the transceiver and the end of the cable. Insert the cable into the transceiver.

WARNING: Do not look directly into a fiber-optic transceiver or into the ends of fiber-optic cables. Fiber-optic transceivers and fiber-optic cable connected to a transceiver emit laser light that can damage your eyes.

8. Verify that the status LEDs on the component faceplate indicate that the SFP or XFP is functioning correctly. For more information about the component LEDs, see the *MX Series 3D Universal Edge Routers Line Card Guide*.

Related Documentation

- Preventing Electrostatic Discharge Damage to an MX960 Router on page 264
- Replacing an MX960 PIC on page 212
- Replacing an MX960 DPC on page 201

Replacing MX960 Power System Components

- Replacing an MX960 AC Power Supply on page 235
- Replacing an MX960 DC Power Supply on page 239
- Replacing an MX960 AC Power Supply Cord on page 246
- Installing a left-angled Power Cord on MX960 Routers with High-Capacity AC Power Supplies on page 247
- Replacing an MX960 DC Power Supply Cable on page 248

Replacing an MX960 AC Power Supply

1. Removing a Normal Capacity MX960 AC Power Supply on page 235
2. Installing an MX960 AC Power Supply on page 238

Removing a Normal Capacity MX960 AC Power Supply

Before you remove a power supply, be aware of the following:

NOTE: The minimum number of power supplies must be present in the router at all times.

CAUTION: To maintain proper cooling and prevent thermal shutdown of the operating power supply unit, each power supply slot must contain either a

power supply or a blank panel. If you remove a power supply, you must install a replacement power supply or a blank panel shortly after the removal.

NOTE: After powering off a power supply, wait at least 60 seconds before turning it back on.

To remove an AC power supply (see Figure 114 on page 237):

1. Switch off the dedicated customer site circuit breaker for the power supply, and remove the power cord from the AC power source. Follow the ESD and disconnection instructions for your site.
2. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist, and connect the strap to one of the ESD points on the chassis.
3. Move the AC input switch in the chassis above the power supply to the off (**O**) position.
4. While grasping the handle on the power supply faceplate with one hand, use your other hand to pull the spring-loaded locking pin in the release lever away from the chassis and turn the release lever counterclockwise until it stops.
5. Let go of the locking pin in the release lever. Ensure that the pin is seated inside the corresponding hole in the chassis.
6. Pull the power supply straight out of the chassis.

WARNING: Do not touch the power connector on the top of the power supply (see Figure 115 on page 237). It can contain dangerous voltages.

Figure 114: Removing an AC Power Supply

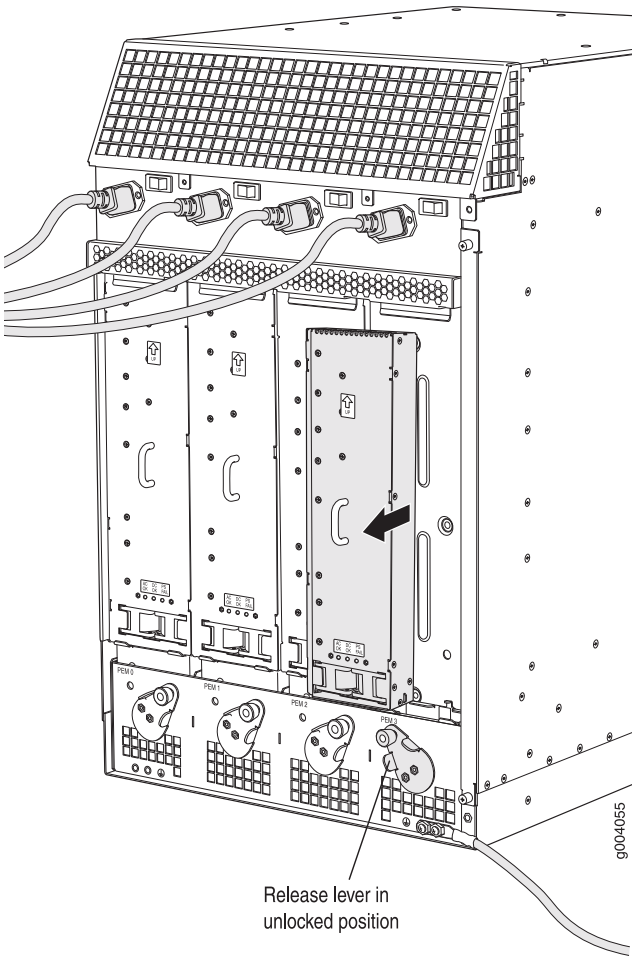
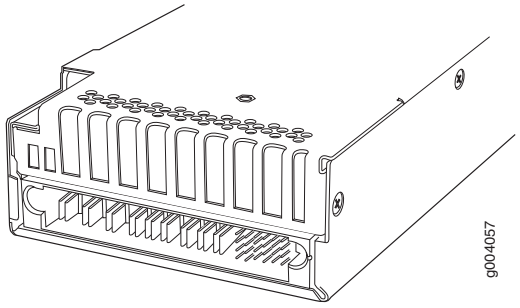


Figure 115: Top of the Power Supply Showing Midplane Connector



Connector end of AC or DC power supply

Installing an MX960 AC Power Supply

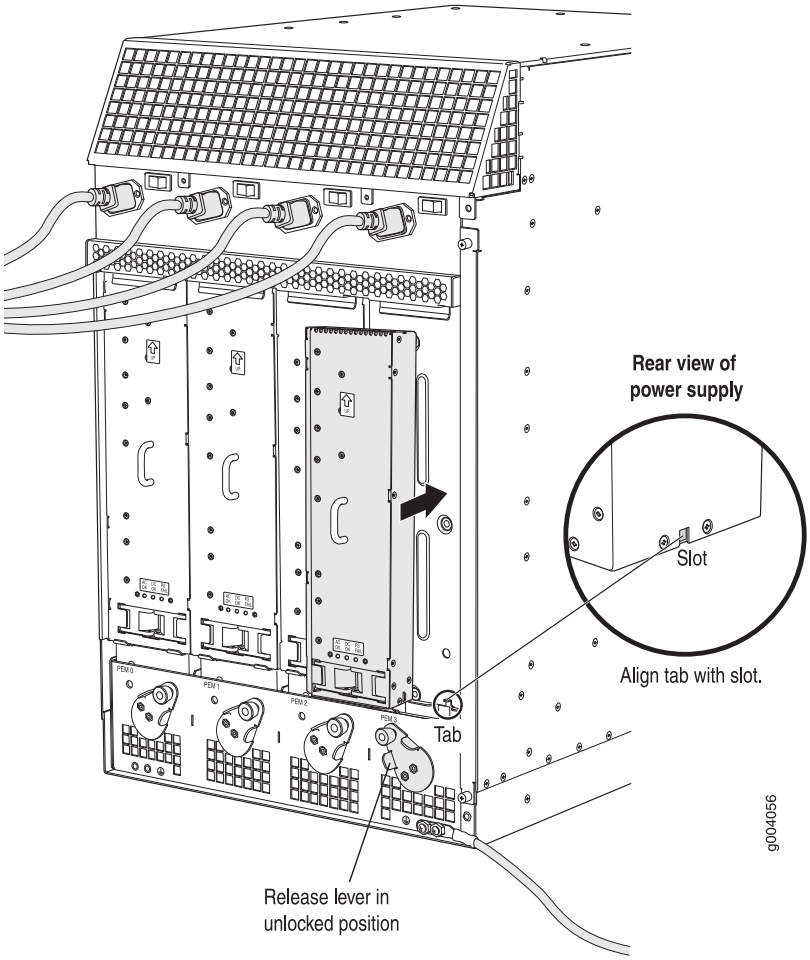
To install an AC power supply (see Figure 116 on page 239):

1. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist, and connect the strap to one of the ESD points on the chassis.
2. Move the AC input switch in the chassis above the empty power supply slot to the off (**O**) position.
3. Ensure that the release lever below the empty power supply slot is locked in the counterclockwise position (see Figure 116 on page 239).

   If necessary, pull the spring-loaded locking pin in the release lever away from the chassis and turn the release lever counterclockwise until it stops. Let go of the locking pin in the release lever. Ensure that the pin is seated inside the corresponding hole in the chassis.
4. Using both hands, slide the power supply straight into the chassis until the power supply is fully seated in the chassis slot. The power supply faceplate should be flush with any adjacent power supply faceplates.

   The small tab on the metal housing that is controlled by the release lever must be inside of the corresponding slot at the bottom of the power supply (see Figure 116 on page 239). This tab is used to pull the power supply down in the chassis slot, prior to removing the power supply.
5. While firmly pushing the handle on the power supply faceplate with one hand, use your other hand to pull the spring-loaded locking pin in the release lever away from the chassis and turn the release lever clockwise until it stops.
6. Let go of the locking pin in the release lever. Ensure that the pin is seated inside the corresponding hole in the chassis.
7. Move the AC input switch in the chassis above the power supply to the on (**—**) position and observe the status LEDs on the power supply faceplate. If the power supply is correctly installed and functioning normally, the **AC OK** and **DC OK** LEDs light steadily, and the **PS FAIL** LED is not lit.

Figure 116: Installing an AC Power Supply



Related Documentation

- Preventing Electrostatic Discharge Damage to an MX960 Router on page 264
- Connecting an MX960 AC Power Supply Cord on page 247
- Disconnecting an MX960 AC Power Supply Cord on page 246
- MX960 AC Power Supply Description on page 39
- MX960 AC Power Electrical Safety Guidelines and Warnings on page 286

Replacing an MX960 DC Power Supply

1. Removing an MX960 DC Power Supply on page 239
2. Installing an MX960 DC Power Supply on page 242

Removing an MX960 DC Power Supply

Before you remove a power supply, be aware of the following: