Raritan PXC/PXO

Thank you for purchasing the PXC/PXO intelligent power distribution unit (PDU).

This guide describes two types of PDU models that can distribute power to IT devices: PXC and PXO. For their differences, see **Comparison between PXO and PXC** (on page 1).

Safety Precautions

WARNING! Before installing or operating this product, read and understand all sections in this guide. Failure to heed any of the following WARNINGS may result in electric shock, fire, personal injury and death. Prior to operating this product, the user should read the online help and specifically the warnings in the online help.

WARNING! Connect this product to an AC power source with a voltage that is within the range specified on the product's nameplate.

WARNING! Connect this product to an AC power source that is current limited by a suitably rated fuse or circuit breaker in accordance with national and local electrical codes.

WARNING! Use this product in a dry location.

WARNING! Connect this product to a protective earth ground. Never use a "ground lift adaptor" between the product's plug and the wall receptacle.

WARNING! If this product is a model that requires the assembly of the line cord or plug, the assembly must be performed by a licensed electrician, and the line cord or plugs used must be rated based on the product's nameplate ratings, as well as national and local electrical codes.

Comparison between PXO and PXC

PXO and PXC are functionally similar and have the same connection ports on their front panels. However, their purposes and mechanical designs vary.

- PXC is designed for an information technology equipment room like data centers or server rooms.
- PXO is designed for regular offices.
- PXO is usually smaller than PXC and has much fewer outlets.
- PXC has more rackmount methods than PXO.

Unpacking the PXC/PXO

The following describes the equipment shipped with PXC or PXO PDU in addition to this Quick Setup Guide. If any pieces are missing or damaged, report this to Raritan Technical Support, or contact the Raritan partner where you purchased the product.

PXC
• One PXC
• Buttons (Zero U), or bracket pack and screws (1U/2U)

PXO
• One PXO • Brackets and screws

Before You Begin

1. Prepare the installation site. Make sure the installation area is clean and not exposed to extreme temperatures or humidity. Allow sufficient space around the device for cabling and outlet connections. Safety instructions are provided in the PXC/PXO online help.

Fill out the Equipment Setup Worksheet found in the online help. Record the model, serial number, and use of each IT device connected to the PDU's power outlets.

Mounting the PDU

Use one of the mounting methods to install your product.

Circuit Breaker Orientation Limitation

Usually a PDU can be mounted in any orientation. However, when mounting a PDU with circuit breakers, you must follow these rules:
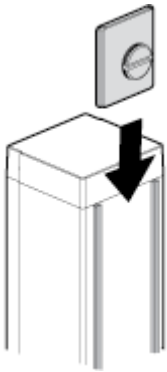
• Circuit breakers CANNOT face down. For example, do not horizontally mount a Zero U PDU with circuit breakers facing up or down.
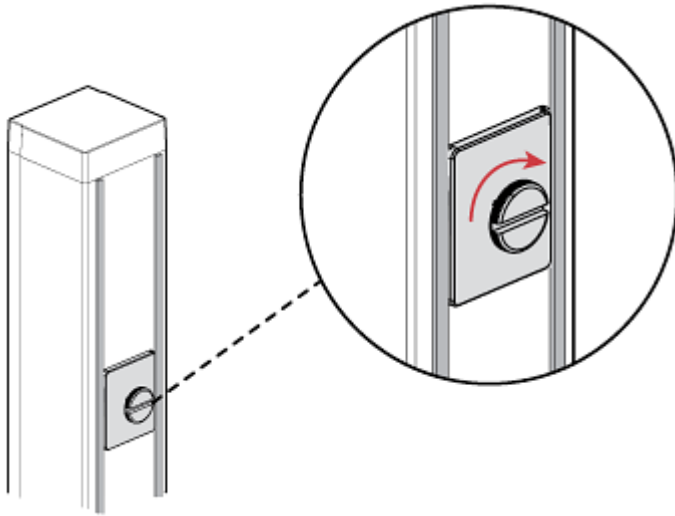
PXC Rackmount Methods

The proper PXC rackmount method is model dependent.

Mounting Zero U Models with Mount Buttons

1. Turn to the rear of the PXC.
2. Align and slide the Raritan-provided mounting button to the rear rail of the PDU.

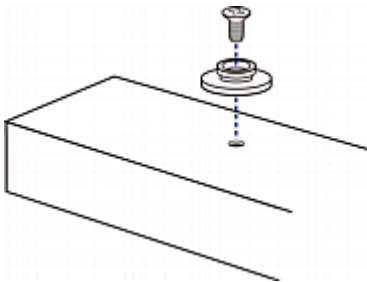3. Turn the button clockwise until it is securely locked in place.

4. Repeat the same steps to install the other button onto the PDU's rear side.

5. Properly install the PDU by fitting the attached rear buttons into position of the rack.

   a. Press the PDU toward the rack.

   b. Push the mounting buttons through the mounting holes.

   c. Let the PDU drop slightly.

Mounting Zero U Models with Screw Buttons

1. Turn to the rear of the PXC.

2. Locate the two screw holes on the rear panel.

3. Screw a button in each screw hole. The recommended torque for the button is 1.96 N·m (20 kgf·cm).
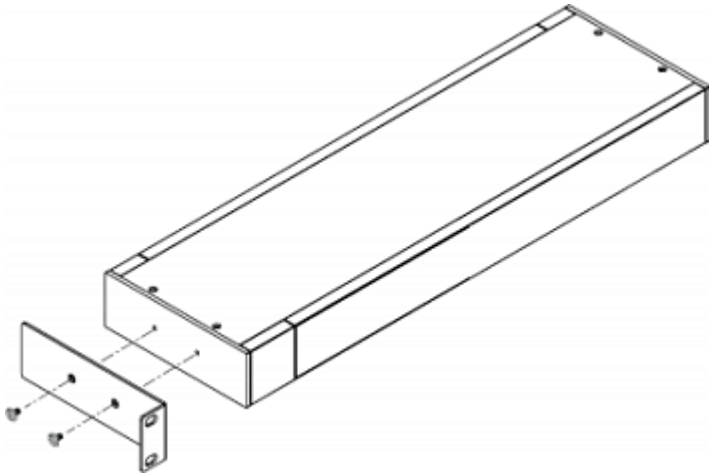

4. Press the PDU forward, pushing the mounting buttons through the mounting holes, then letting the PDU drop slightly.
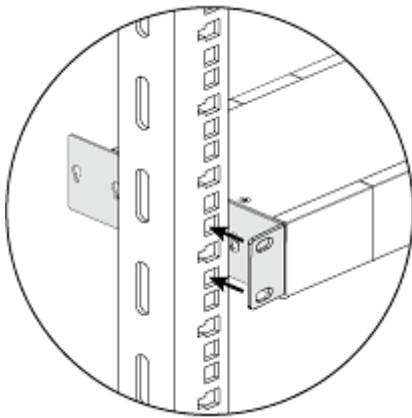
Mounting 1U or 2U Models

Using the appropriate brackets and tools, fasten the 1U or 2U PXC PDUs to the rack or cabinet.

▶ **To mount 1U/2U device:**

1. Attach a rackmount bracket to both sides of the PXC with the provided screws.
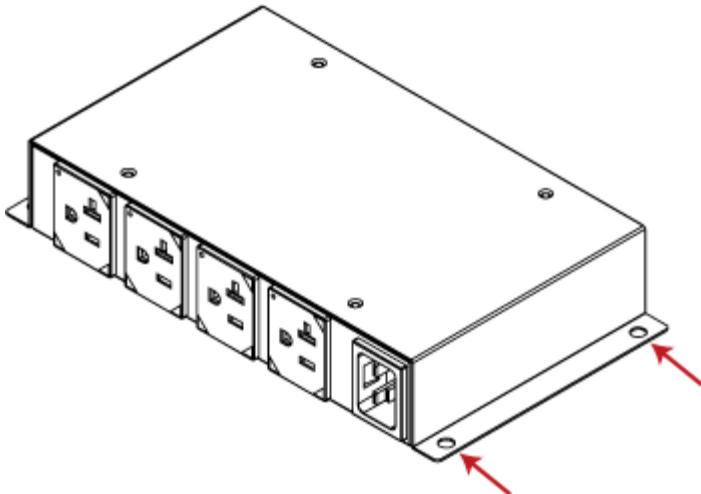

2. Attach PXC to the rack. Fasten the rackmount brackets' ears to the rack using your own fasteners.

PXO Rackmount Method

You can place PXO in any appropriate location with or without fastening it. To fasten it, simply screw up fasteners to screw holes on two sides of PXO.

![Raritan logo - A brand of legrand]

Connecting the PDU to a Power Source

The distance between a PDU and its power source must be SHORTER than the PDU's line cord to avoid stretching out the cord. A locking connector used at the power source is highly recommended for a secure connection.

‣ **To connect a PDU to the power source:**

1. Verify that all circuit breakers on the PXC/PXO are set to ON. If not, turn them ON.

   Or make sure that all fuses are inserted and seated properly. If there are any fuse covers, ensure that they are closed.

   Note: Not all models have overcurrent protectors.

2. Connect each PXC/PXO to an appropriately rated branch circuit. Refer to the label or nameplate affixed to your PXC/PXO for appropriate input ratings or range of ratings.

   Note: When a PXC/PXO powers up, it proceeds with the power-on self test and software loading for a few moments.

3. When the software has completed loading, the outlet LEDs show a steady color and the front panel display illuminates. Note that outlet LEDs are only available on some PDU models.

Connecting the PDU to Your Network

‣ **To make a wired connection:**

1. Connect a standard network patch cable to either or both Ethernet ports on the PXC/PXO.
2. Connect the other end of the cable to your LAN.

Note: If connecting both ports to the LAN, you must connect them to two "different" subnets. If you are not sure whether the device is connected to the same or different subnets, contact your IT department.

Initial Network Configuration

Depending on your networking environment, the best method to initially configure your PXC/PXO differs.

- For a DHCP IPv4 networking environment, see **Using a Web Browser** (on page 5).
- For an IPv6 or "static" IPv4 networking environment, see **Appendix A: Configuration via a Mobile Device or PDView** (on page 6).

Using a Web Browser

Step 1: Retrieve the IP Address

After connecting to a DHCP IPv4 network, an IPv4 address is automatically assigned to your PXC/PXO. You can operate the front panel display to retrieve the IPv4 address. See **Using the Front Panel Display** (on page 5).

Tip: You can also retrieve the IPv4 address by connecting an iOS or Android mobile device to PXC/PXO. See **Appendix A: Configuration via a Mobile Device or PDView** (on page 6).

Using the Front Panel Display

‣ **To retrieve the IP address:**

1. Press ⊗ or ⓞ to show the "Main Menu."
2. Press ⌃ or ⌄ to select "Device Info," and press ⓞ.
3. Press ⌃ or ⌄ until the device's IP address is displayed.

Step 2: Log in to the PXC/PXO Web Interface

1. In a web browser, enter the PDU IP address and login with the default user credentials, accepting any security warnings.
   ▪ Default login: admin/raritan

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   Password change is enforced at first login.

Appendix A: Configuration via a Mobile Device or PDView

An iOS or Android mobile device, such as a smartphone or tablet, can function as a local display. Android devices must support USB "On-The-Go" (OTG).

Step 1: Download the "PDView" App

Raritan's free app "PDView" is required for the mobile device to function as a local display.

▶ **To download PDView:**

1. Visit either Apple App or Google Play Store.
    - *https://itunes.apple.com/app/raritan-pdview/id780382738*

    - *https://play.google.com/store/apps/details?id=com.raritan.android.pdview*
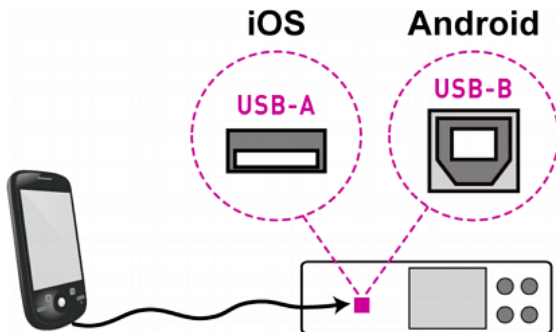

2. Install PDView.

Step 2: Connect the Mobile Device to PXC/PXO

The USB cable and USB port to connect are determined by your mobile operating system.

▶ **To connect your mobile device to PXC/PXO:**

1. Get an appropriate USB cable for your mobile device.
    - *iOS*: Use the regular USB cable shipped with your iOS mobile device.
    - *Android*: Use an **USB OTG** adapter cable.
2. Connect the mobile device to the appropriate USB port on the product.
    - *iOS*: USB-A port.
    - *Android*: USB-B port

Step 3: Launch PDView

‣   **To access the PXC/PXO web interface:**

1.   Launch PDView on your mobile device.

2.   Wait until PDView detects the connected PXC/PXO and shows the word "Connected" in green.

   Connected

3.   If the factory-default login credentials remain unchanged, or if PDView has been configured with accurate login credentials, PDView automatically logs in to the web interface of PXC/PXO.

   If PDView can't log in automatically, the login screen displays instead and you must enter appropriate user credentials for login.

4.   For initial login, you are prompted to change the password.
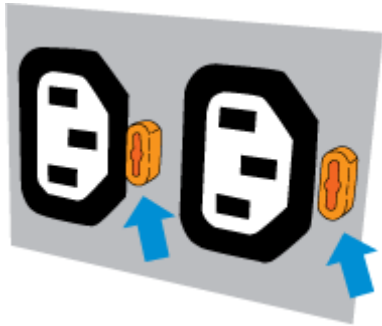
Appendix C: More Information

Disconnecting Devices from 'Locking' Outlets

   Not every PXC/PXO is implemented with locking outlets.

Locking outlets, if available on your PXC/PXO, help secure the connection of power cords from your IT equipment to PXC/PXO.

‣   **To remove an IT device from a locking outlet:**

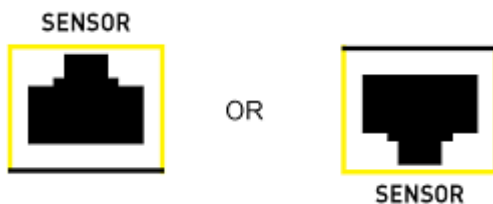1.   Press and hold down the tiny button adjacent to the PXC/PXO outlet.

2.   Unplug the power cord now.

Identifying the Sensor Port

   Warning: Only connect environmental sensors to the SENSOR port, or damages may be caused to the device and the sensor packages.

•   The correct port is labeled SENSOR and highlighted yellow.

Threaded Grounding Point

The primary means of earthing the product is via the power cord connected to an earthed receptacle; however, some models have a supplementary, threaded grounding point for connection to TT earthing systems or where required by the Authority Having Jurisdiction (AHJ) per national, regional or local applicable electric codes.

Identify it via the grounding symbol:

Where required, wire this point to an electrical system to protectively ground the PXC/PXO.

Additional Information

For more information about PXC/PXO and the entire Raritan product line, see Raritan's website (www.raritan.com). For technical issues, contact Raritan Technical Support. See the Contact Support page in the Support section on Raritan's website for technical support contact information worldwide.

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