

Part No. 204519-B  
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4401 Great America Parkway  
Santa Clara, CA 95054

# Installing the Passport 8001PS AC Power Supply

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NETWORKS™

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Nortel Networks NA Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

## Federal Communications Commission (FCC) Statement

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to 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. If it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to take whatever measures may be necessary to correct the interference at their own expense.

comercial. Este equipo genera, utiliza y puede radiar energía de frecuencia de radio. Si no se instala y utiliza según el manual de instrucciones, puede ocasionar interferencias en las comunicaciones por radio. La utilización de este equipo en un área residencial, probablemente causará interferencias, en cuyo caso los usuarios deberán tomar las medidas necesarias para corregir la interferencia y asumir los costes.

## EN 55 022 Declaration of Conformance

This is to certify that the Nortel Networks Passport 8001PS AC Power Supply is shielded against the generation of radio interference in accordance with the application of Council Directive 89/336/EEC, Article 4a. Conformity is declared by the application of EN 55 022 Class A (CISPR 22).



**Caution:** This device is a Class A product. In a domestic environment, this device can cause radio interference, in which case, the user may be required to take appropriate measures.

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## About this Guide

This guide provides the following information:

- Operational notes
- Instructions for installing a Passport 8001PS AC Power Supply in an unoccupied bay of the Passport 8010 Chassis
- Instructions for replacing an installed power supply in the Passport 8010 Chassis
- Specifications for the power supply

For more information about the Passport™ chassis, refer to *Installing the Passport 8010 Chassis* (part number 204518-B).

## Operational Notes

A Passport 8010 Chassis with up to five installed modules can operate with one installed power supply. For a redundant power configuration, install two power supplies.

A Passport 8010 Chassis with more than five installed modules requires a minimum of two power supplies for a nonredundant configuration. A redundant configuration for such a chassis requires three power supplies.

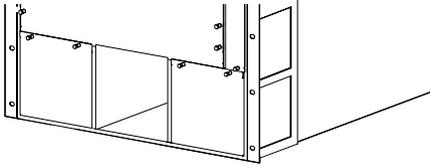
In a chassis with a nonredundant power supply configuration, if one power supply fails, the system loses power and network connectivity.

In a chassis with two installed power supplies, you can add a third power supply without powering down the chassis.

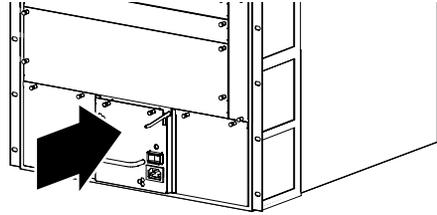
When you first install a Passport 8000 Series chassis that requires two power supplies (nonredundant configuration), you must turn on both power supply units within 2 seconds of each other. If you wait longer to turn on the second power supply, both power supplies will latch off. To correct this condition, turn off both power supplies, wait at least 30 seconds, and turn both power supplies on again within 2 seconds.

# Installing a Power Supply

**Required tool:** Phillips screwdriver



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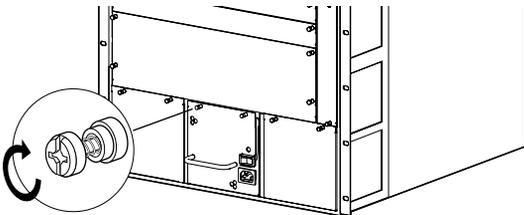
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1. If necessary, remove the filler panel from a power supply bay.

2. Push the power supply firmly into the bay.

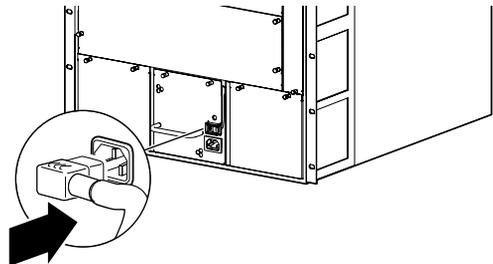


**Note:** If you are installing a power supply in a new chassis, be sure to remove the bag of desiccant from the middle power supply bay.



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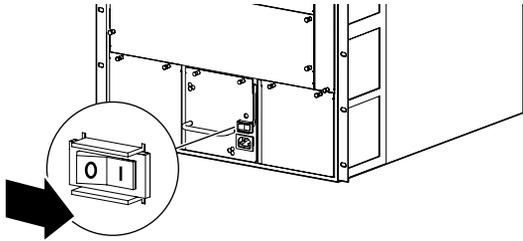
3. Tighten the retaining screws.



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4. Connect the power cord to the power supply and to an AC power outlet that is on a circuit with no other equipment connected to it.

Connect each power supply in the chassis to a separate AC circuit.



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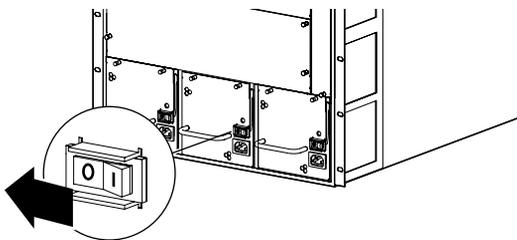
5. Turn on the power switch.



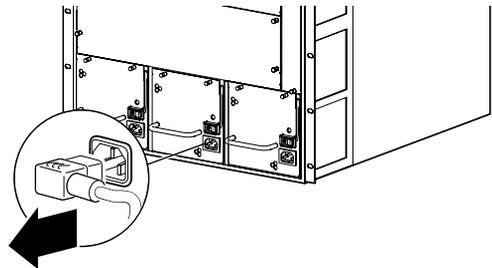
**Note:** In a chassis that requires more than one power supply (see “Operational Notes”), you must turn on both units within 2 seconds of each other. If you wait longer to turn on the second power supply, both power supplies will latch off. To correct this condition, turn off both power supplies, wait at least 30 seconds, and turn both power supplies on again within 2 seconds.

## Replacing a Power Supply

**Required tool:** Phillips screwdriver

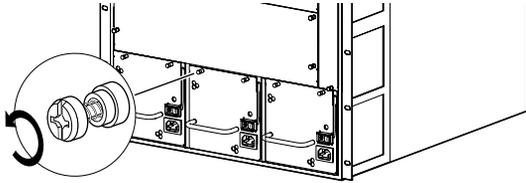


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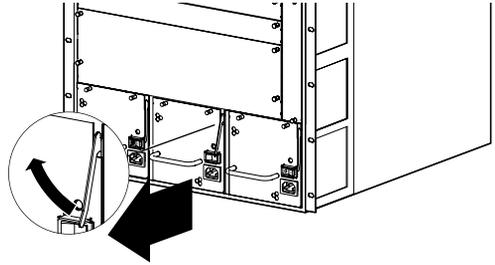


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1. Turn off the power switch on the supply you are replacing.
2. Disconnect the power cord from the power outlet and from the power supply.



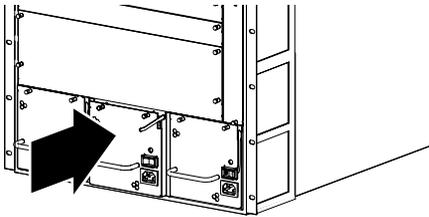
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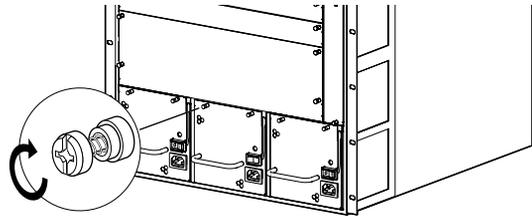
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3. Loosen the retaining screws.

4. Lift the extractor lever to disconnect the power supply from the backplane. Pull the power supply out of the chassis.



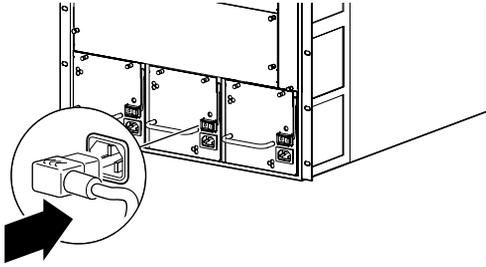
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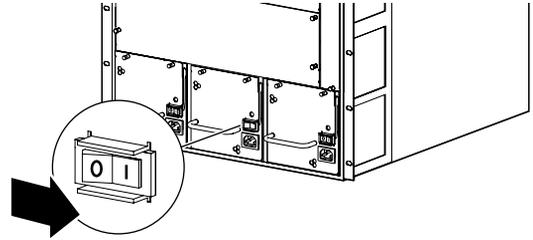
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5. Push the new power supply firmly into the bay.

6. Tighten the retaining screws.



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7. Connect the power cord to the power supply and to a power outlet that is on a circuit with no other equipment connected to it.

Connect each power supply in the chassis to a separate AC circuit.

8. Turn on the power switch.



**Note:** In a chassis that requires two power supplies (nonredundant configuration), you must turn on both units within 2 seconds of each other. If you wait longer to turn on the second power supply, both power supplies will latch off. To correct this condition, turn off both power supplies, wait at least 30 seconds, and turn both power supplies on again within 2 seconds.

## Specifications

Input current (maximum)	12 to 6 A
Input voltage	100 to 240 VAC
Line Frequency	47 to 63 Hz
Power consumption	1112 W
Thermal rating	3792 BTU/hr maximum

