



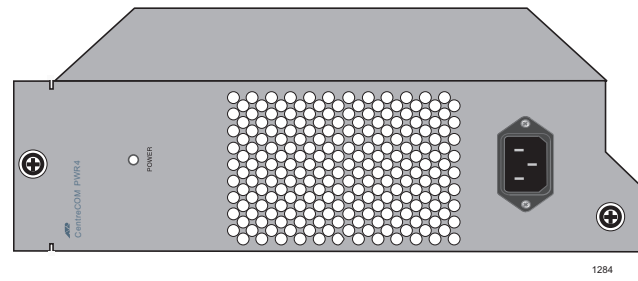
613-000743 Rev. B



AT-PWR4 AC Power Supply Installation Guide

Overview

The AT-PWR4 Power Supply, as shown below, is an AC power supply for the AT-MCR12 Media Conversion Rack-Mount Chassis. The power supply is shipped preinstalled in slot A in the rear of the AC version of the AT-MCR12 chassis.



1284

Related Documents

For details on the features and functions of the AT-MCR12 Media Conversion Rack-Mount Chassis, refer to the following documents on our web site, www.alliedtelesis.com:

- *AT-MCR12 Media Conversion Rack-Mount Chassis Installation Guide*

Verifying Package Contents

Make sure that the correct components are included in your package:

- One AT-PWR4 Power Supply
- This installation guide
- Warranty card

If any item is missing or damaged, contact your Allied Telesis sales representative for assistance.

LED

The AT-PWR4 Power Supply has one POWER LED as described in the following table.

Color	Description
Green	The power supply is operating normally.
Off	The power supply is off or has failed.

Reviewing Safety Precautions

Before you install the AT-PWR4 Power Supply, review the following safety precautions.

Note

The indicates that a translation of the safety statement is available in a PDF document titled *Translated Safety Statements* on the Allied Telesis website at www.alliedtelesis.com.



Warning: To prevent electric shock, do not remove the cover. No user-serviceable parts inside. This unit contains hazardous voltages and should only be opened by a trained and qualified technician. To avoid the possibility of electric shock, disconnect electric power to the product before connecting or disconnecting the LAN cables. E1



Warning: Do not work on equipment or cables during periods of lightning activity. E2



Caution: Air vents must not be blocked and must have free access to room ambient air for cooling. E6

Warning: Operating Temperature. This product is designed for a maximum ambient temperature of 40 degrees C. E7

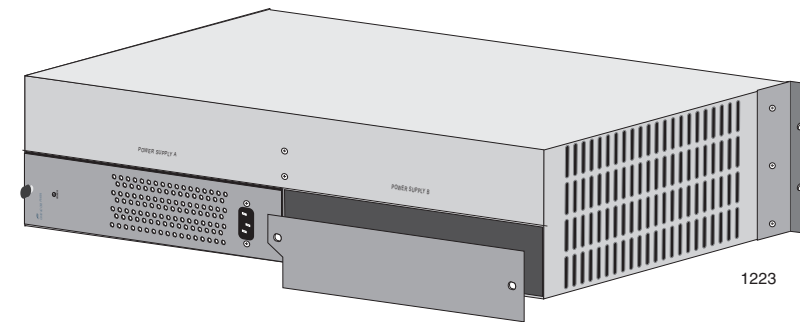
All Countries: Install product in accordance with local and National Electrical Codes. E8

Installing an AT-PWR4 Power Supply as an Auxiliary Power Supply

You can install an AT-PWR4 Power Supply as an auxiliary power supply when the AT-MCR12 chassis is operating and installed in a rack. To replace a power supply that has failed, refer to “Hot Swapping an AT-PWR4 Power Supply.”

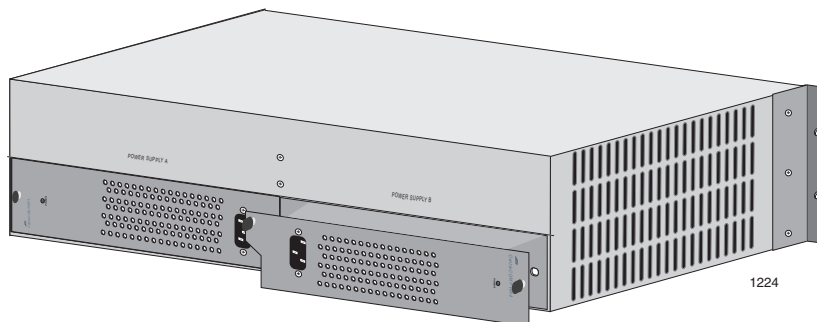
To install an AT-PWR4 Power Supply, perform the following procedure:

1. Unpack all the items from the shipping container and store the packaging material in a safe place. You must use the original shipping package if you need to return the unit to Allied Telesis.
2. Remove the two screws that secure the blank faceplate covering the auxiliary power supply slot, as shown below.



1223

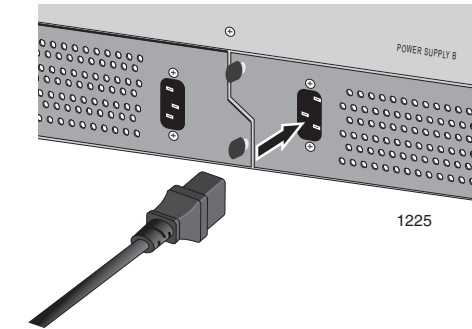
3. Turn the AT-PWR4 Power Supply upside down and slide it into the slot, as shown below.



1224

4. Press the power supply firmly into the backplane.
5. Secure the power supply by tightening the captive screws.

6. Plug the power cord into the power connector on the chassis, as shown below.



1225

7. Plug the other end of the power cord into a wall outlet .



Warning: Power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. E3



Warning: Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts. E4

Pluggable Equipment. The socket outlet shall be installed near the equipment and shall be easily acceptable. E5



Warning: This unit might have more than one power source. To reduce the risk of electric shock, disconnect all power sources before servicing the unit. E30

Hot Swapping an AT-PWR4 Power Supply

This section describes how to replace a failed AT-PWR4 Power Supply in an AT-MCR12 chassis.

1. Remove the power cord from the wall outlet.
2. Remove the other end of the power cord from the failed power supply.
3. Loosen the captive screws on the power supply and slide it out of the chassis.
4. Slide a new power supply into the slot.
5. Refer to “Installing an AT-PWR4 Power Supply as an Auxiliary Power Supply” for information about installing the replacement power supply.

Testing and Troubleshooting the Installation

Follow the guidelines in this section for testing and troubleshooting the installation in the event a problem occurs.

1. Verify that the Power, PWR A and PWR B LEDs are green. If one of the LEDs is OFF, do the following:
 - Check to be sure that the power supply is securely connected to the power outlet.
 - Check to be sure that the power supply is securely seated in the chassis.
 - Check to be sure that the wires are connected to the correct terminals.
 - Check to be sure that the DC power circuit is powered ON.
2. Check to be sure that the fans for both power supplies are operating. If a fan is not operating, it is likely that the power supply has failed.

If you still have problems after testing and troubleshooting the installation, contact Allied Telesis Technical Support at www.alliedtelesis.com for assistance.

Warranty Registration

Allied Telesis hardware products are covered under limited warranties. Some products have a longer warranty coverage than others.

This AT-PWR9 power supply has a limited warranty of 5 years.

All Allied Telesis warranties are subject to the terms and conditions set out on the Allied Telesis website at www.alliedtelesis.com/warranty.

Specifications

Physical Characteristics

Dimensions (H x W x L)	225 mm x 61 mm x 120 mm (8.9 in x 2.4 in x 4.7 in)
Weight	0.77 kg (1.7 lbs)
Operating Temperature	0° C to 40° C (32° F to 104° F)
Storage Temperature	-25° C to 70° C (-13° F to 158° F)
Operating Relative Humidity	5% to 90% RH (non-condensing)
Storage Relative Humidity	5% to 95% RH (non-condensing)

Power Requirements

Power Rating	100-120 VAC, 50/60 HZ, 3.0 A 220-240 VAC, 50/60 HZ, 1.5 A
--------------	--

Agency Certifications

Electrical Safety	UL60950-1 (cUL _{us}), EN60950-1 (TUV), CSA 950
Immunity	EN50082-1
Emission	EN55022-1 Class A

Electrical, Safety, and Emissions Statements

This product meets the following standards.

U.S. Federal Communications Commission

Radiated Energy

Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of 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 and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

Industry Canada

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.