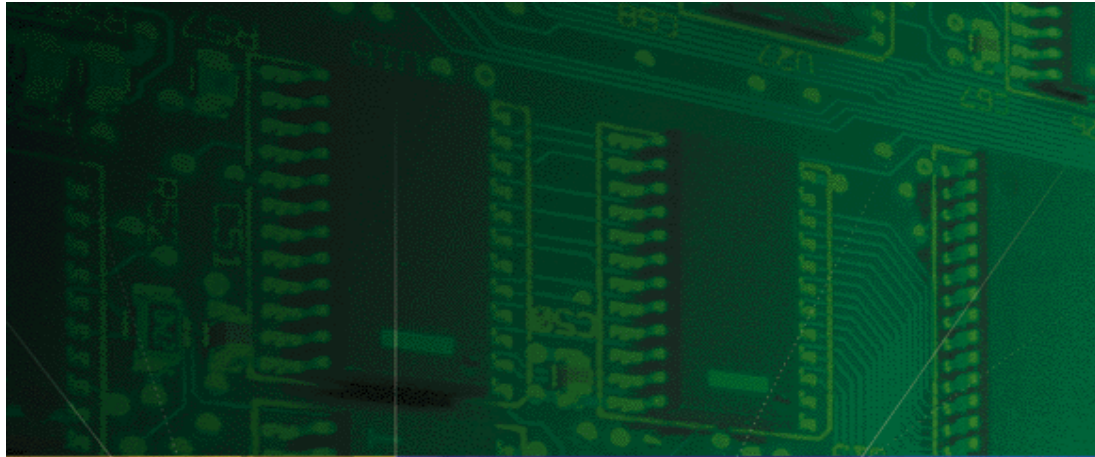




35 and 45 Amp AC and DC Total Control Chassis

Getting Started Guide



Part No. 1.024.1326-00

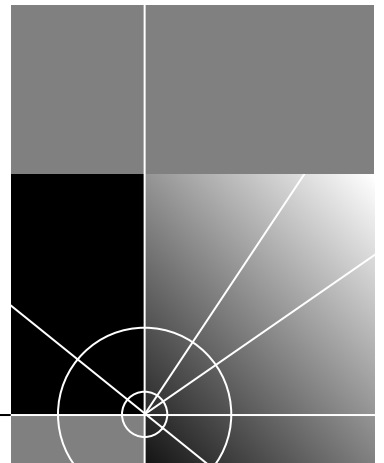


35 and 45 Amp AC and DC Total Control Chassis

Getting Started Guide

<http://www.3com.com/>

Part No. 1.024.1326-00



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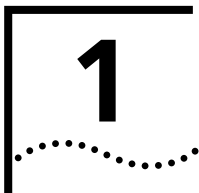
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OVERVIEW

This chapter provides contact information and document conventions, and describes the 35 and 45 Amp AC and DC Total Control chassis.

Contacting 3Com

Call the appropriate number listed below for technical support.

- If you are calling from the United States or Canada
Dial 1.800.231.8770
- If you are calling from Europe, Middle East, or Africa
Dial 353.1.823.7700
- If you are calling from all other locations
Dial (your international carrier code) 847.797.6600





Refer to the Total Control Hub Documentation CD-ROM for more information regarding product warranty.



For information about Customer Service, including support, training, contracts, and documentation, visit our website at <http://totalservice.usr.com>

Document Conventions

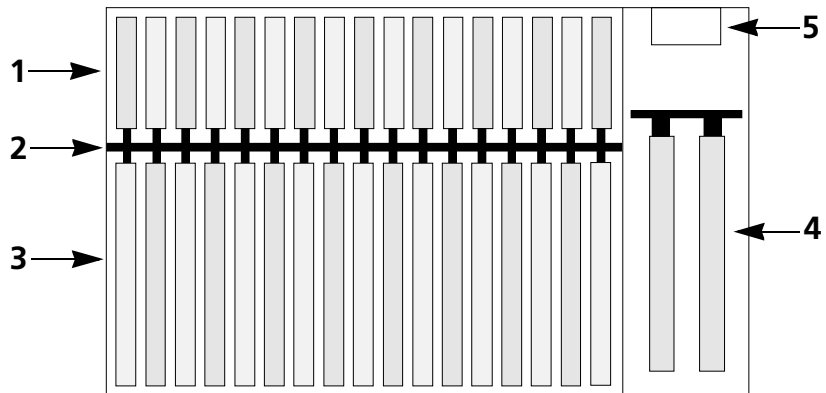
The following table lists conventions used throughout this guide.

Icon	Notice Type	Description
	Information note	Information that contains important features or instructions.
	Caution	Information to alert you to potential damage to a program, system, or device.
	Warning	Information to alert you to potential personal injury or fatality. May also alert you to potential electrical hazard.
	ESD	Information to alert you to take proper grounding precautions before handling a product.

Product Description

The chassis contains the following:

- Slots for two front-loaded power supply units.
- Slots for up to 17 front-loaded network application cards (NACs) and their respective rear-loaded network interface cards (NICs).



1	Rear-loaded Network Interface Cards (NICs)
2	Chassis Midplane
3	Front-loaded Network Application Cards (NACs)
4	Front-loaded Power Supply Units (PSUs)
5	Power Supply Unit Fan

Various chassis configurations operate with both analog or digital phone services. In addition, the chassis is fully manageable via Simple Network Management Protocol (SNMP) through the Network Management Card (NMC) placed in slot 17 of the chassis.

2

INSTALLATION

This chapter contains 35 and 45 Amp AC and DC Total Control chassis installation information.

Supplies

To install the chassis you will need:

- A flat-head screwdriver
- A #2 Phillips screwdriver
- Fasteners (nuts, bolts, and screws) compatible with the rack

Optional:

- Extender brackets (23-inch rack or mid-mount installation)

Conditions

Optimal chassis installation conditions:

Temperature	25 °C
Chassis per Rack	Seven
Ventilation Recommendation	Chassis installed approximately three inches from each other.
Air Cooling	1000 cfm per chassis (40 °C environment). De-rate air flow in 25 °C environment.



For optimal ventilation, install a fan tray to distribute forced air. Obtain fan tray ordering information from your 3Com Sales Representative.

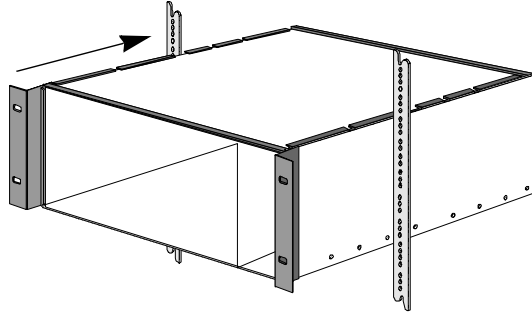


CAUTION: *Do not block the power supply unit cooling fan on the rear of the chassis. Restricting the air flow through this fan may cause temperatures to increase and the power supply components to malfunction. Do not block the vents on the top and bottom of the chassis.*

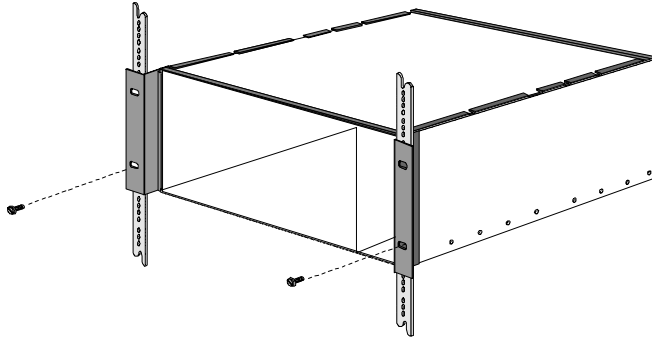
Installing a Chassis in a 19-inch Rack

To install the chassis:

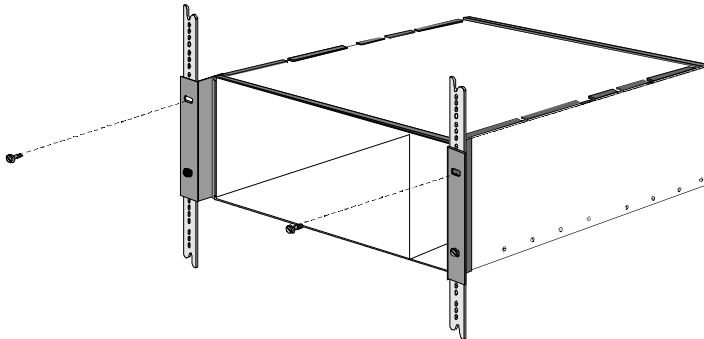
- 1 Slide the chassis into the rack, until the front of the chassis is flush with the front of the rack.



- 2 Secure the chassis mounting flange to the front vertical rails of the rack.
 - a Insert the two bottom fasteners (screws).



- b Insert the two top fasteners (screws).



Mid-mounting a Chassis in a 19-inch Rack

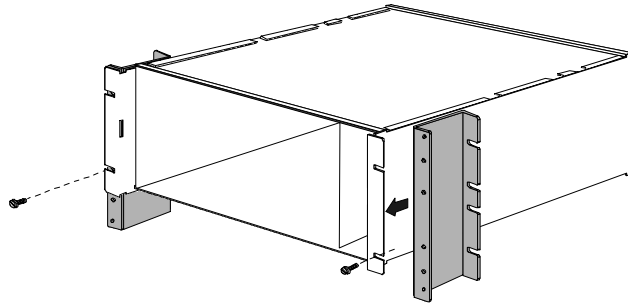
To mid-mount the chassis:

- 1 Secure the extender brackets to the chassis mounting flanges.

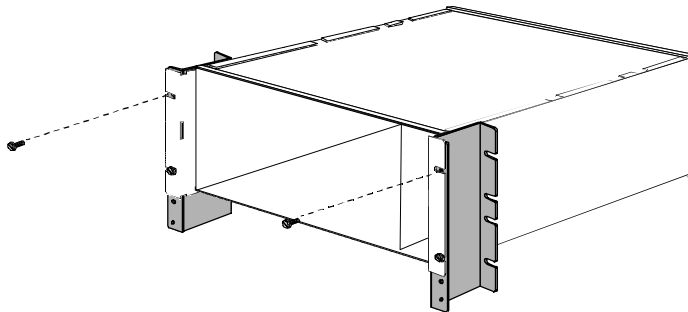


Mid-mount brackets must be used if you wish to adhere to the Bellcore Standard on Earthquakes NEBS TR-NWT-000063, Sections 5.5.7 and 5.5.9, Issue 5.

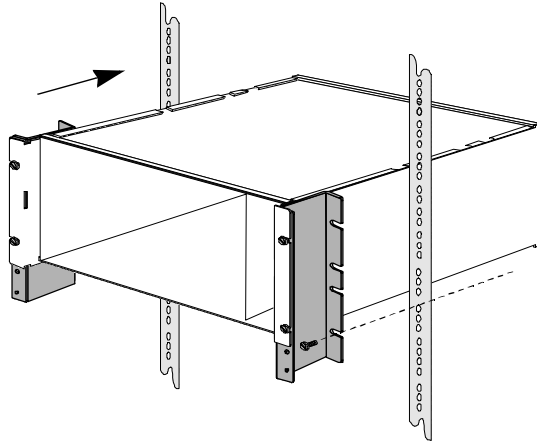
- a Insert the two bottom fasteners (screws).



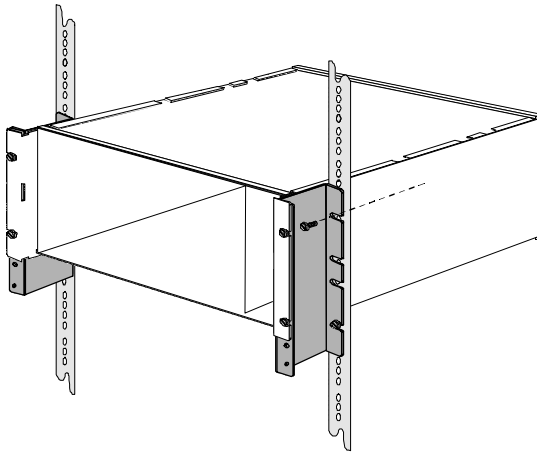
- b Insert the two top fasteners (screws).



- 2 Secure the extender brackets and chassis to the mounting rails of the rack.
 - a Insert the two bottom fasteners (screws).



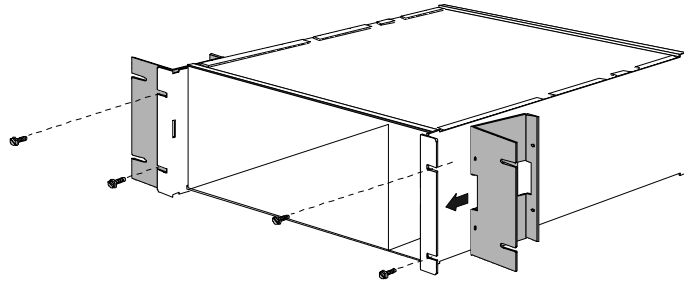
- b Insert the two top fasteners (screws).



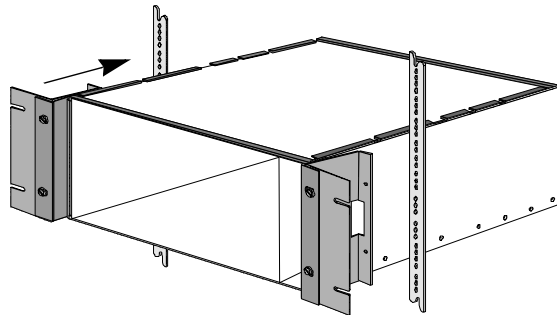
Installing a Chassis in a 23-inch Rack

To install the chassis:

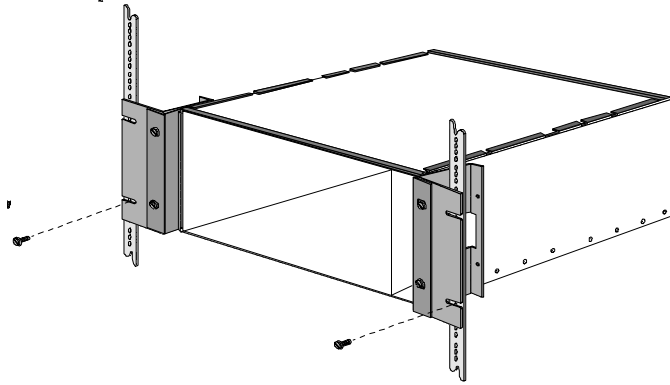
- 1 Secure the extender brackets to the chassis mounting flanges using fasteners (screws).



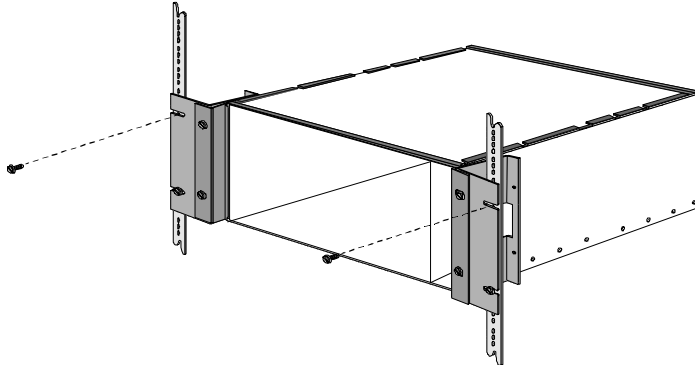
- 2 Slide the chassis into the rack, until the front of the chassis is flush with the front of the rack.



- 3 Secure the extender brackets and chassis to the mounting rails of the rack.
 - a Insert the two bottom fasteners (screws).



- b Insert the two top fasteners (screws).



Mid-mounting a Chassis in a 23-inch Rack

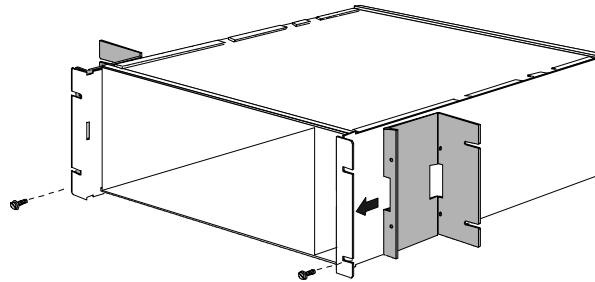
To mid-mount the chassis:

- 1 Secure the extender brackets to the chassis mounting flanges.

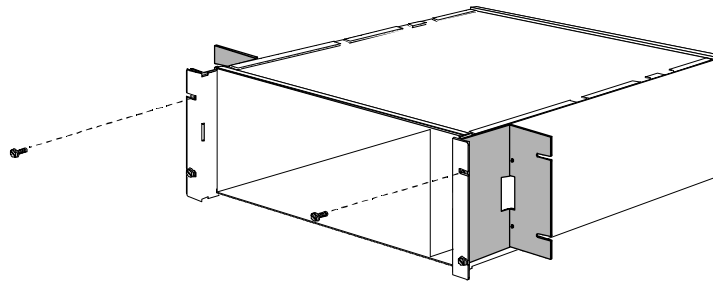


Mid-mount brackets must be used if you wish to adhere to the Bellcore Standard on Earthquakes NEBS TR-NWT-000063, Sections 5.57 and 5.5.9, Issue 5.

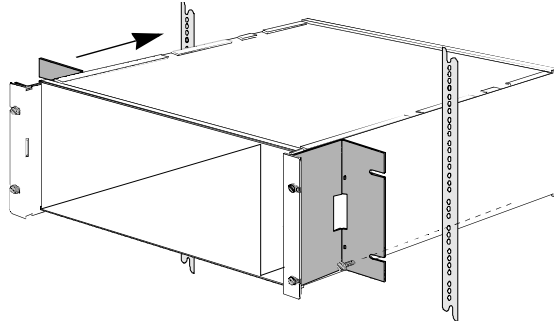
- a Insert the two bottom fasteners (screws).



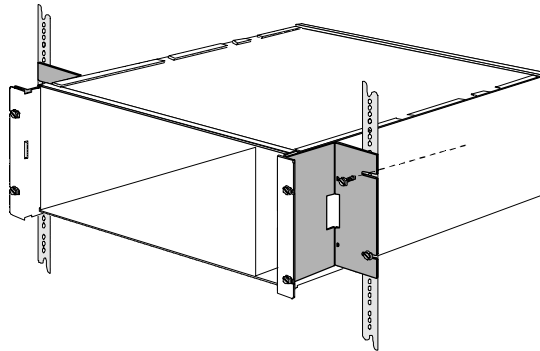
- b Insert the two top fasteners (screws).



- 2 Secure the extender brackets and chassis to the mounting rails of the rack.
 - a Insert the two bottom fasteners (screws).



- b Insert the two top fasteners (screws).





TECHNICAL SPECIFICATIONS

Certification

Complies with FCC Part 15 Class A EMI/RFI requirements; complies with FCC Part 68; UL-listed; CSA-approved; IC-certified.

Regulatory Compliance Statements

United States

FCC Part 15 Compliance Statement

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 and, if not installed and used in accordance with the 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.

Chassis Dimensions

	Length	Width	Height
Inches	18.590	19.000	7.000
Centimeters	47.219	48.260	17.780

Environment

Shipping and Storage

Temperature:

- -25° C to 75° C
- -13° F to 167° F

Humidity:

- 0 to 95%, non-condensing

Operating

Temperature:

- 0 to 40° C
- 32° F to 104° F

Humidity:

- 0 to 95%, non-condensing



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