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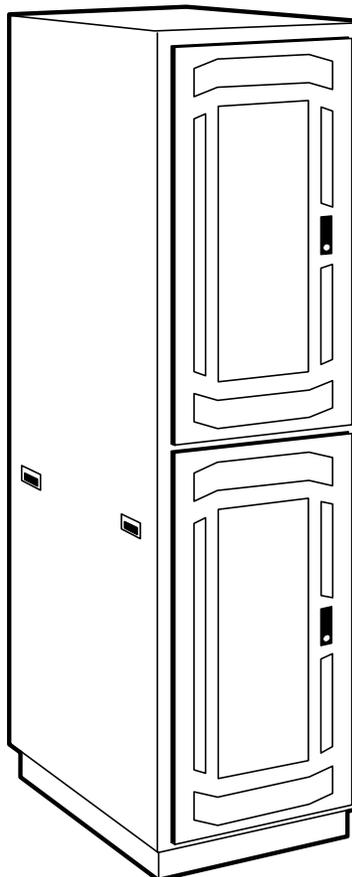
BLACK BOX[®]
NETWORK SERVICES



AUGUST 2000

RM970A	RM571
RM971	RM572
RM972	RM574-R2
RM975A	RM578
RM976	RM579
RM977	RM580-R2

Max Secure Co-Location Cabinet and Accessories



**CUSTOMER
SUPPORT
INFORMATION**

Order **toll-free** in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)
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Mailing address: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018
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TRADEMARKS USED IN THIS MANUAL

Compaq is a registered trademark of Compaq Computer Corporation.

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Max Secure Co-Location Cabinet (RM970A and RM975A)

Specifications

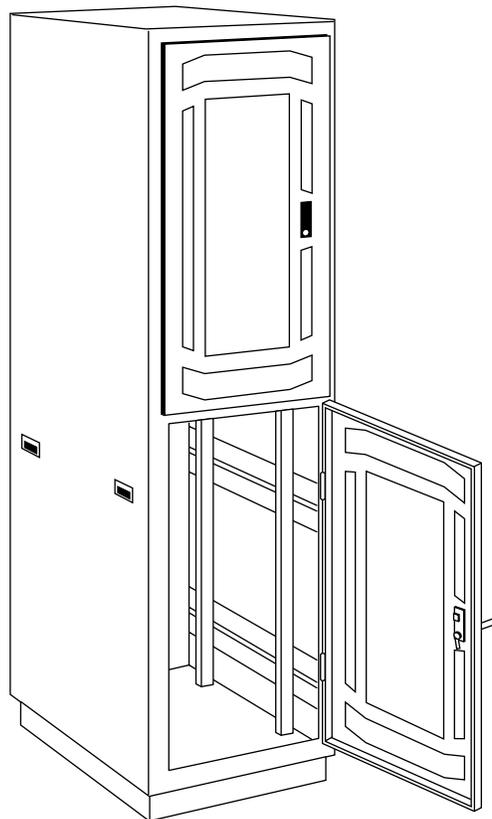
Frame—14-gauge steel

Rack Spaces—45 U

Mounting Rails—16-gauge steel

Size—Exterior: 87.25"H x 22.16"W x 36"D (221.6 x 56.3 x 91.4 cm); Interior: 77"H x 19"W x 34"D (195.6 x 48.3 x 86.4 cm)

Weight—350 lb. (158.8 kg)



Features

- Fully assembled.
- Extra-deep construction accommodates large servers.
- Removable side walls provide easy access for loading and unloading equipment.
- Casters included.
- Self-contained leveling feet can be lowered to raise the casters off the floor for extra stability.
- Servers slide in and out on rails for easy access. (Rails supplied by server manufacturer.)
- All mounting rails come with M6 square holes (three sets per compartment).
- Vented top panel and front and rear doors ensure proper airflow required for servers.
- Locks on front and rear doors secure your server. (The top and bottom compartments are keyed differently.)

Installation

The Max Secure Co-Location Cabinet holds servers from Compaq®, Dell®, IBM®, HP®, and most other manufacturers. Follow these steps to install your server in the rack:

1. Select one of the three sets of mounting rails to fit your server. Choose from three adjustable front rail sets.
2. Using the rackmounting hardware that you received from your server manufacturer, rackmount your server. Follow the installation instructions that came with your server.
3. Close the front and rear doors.
4. Secure the cabinet by locking the doors. Simply twist the handle latches to lock.

Cabinet Top Panel with Fan (RM972 and RM977)

Description

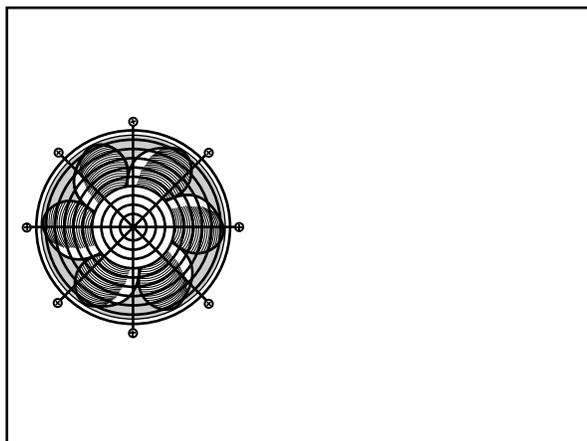
This fan will provide adequate cooling in your Cabinet. The Panel mounts on top of the Cabinet. The fan measures 10 inches (25.4 cm) and features 535-CFM cooling and finger guards.

What's Included

- (1) Top Panel with Fan
- (4) #10-32 screws
- (4) #10-32 clip-nuts

Installation

1. Open the front and rear doors.
2. Remove the screws from the inside of the cabinet that hold the perforated cabinet top in place.
3. Lift the perforated top away from the cabinet.
4. Place the fan/panel top over the cabinet frame.
5. Align the holes in the fan/panel with the cagenuts.
6. Insert the screws into the cagenuts and tighten them.



Vented Shelves (RM571 and RM578)

Description

These vented shelves make it easy to customize the Cabinet. The Vented Shelf (RM571 and RM578) lets you put servers and other equipment where you want it. Vents ensure proper front-to-back airflow. The shelf supports 125 pounds (56.7 kg) of equipment and is 19 inches (48.3 cm) wide.

What's Included

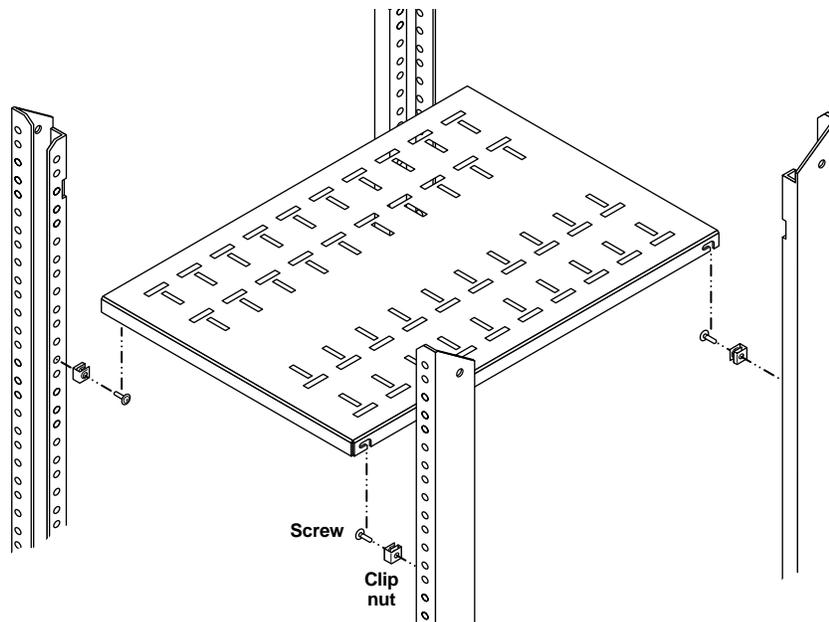
- (1) 19"W x 28"D Vented Shelf
- (4) #10-32 clip nuts
- (4) #10-32 x 1/2" pan-head machine screws

Additional Tools Required

Phillips-head screwdriver

Installation

1. Determine the desired location for the shelf.
2. Attach clip-nuts to the mounting rails (side mount).
3. Install the shelf with #10-32 screws.

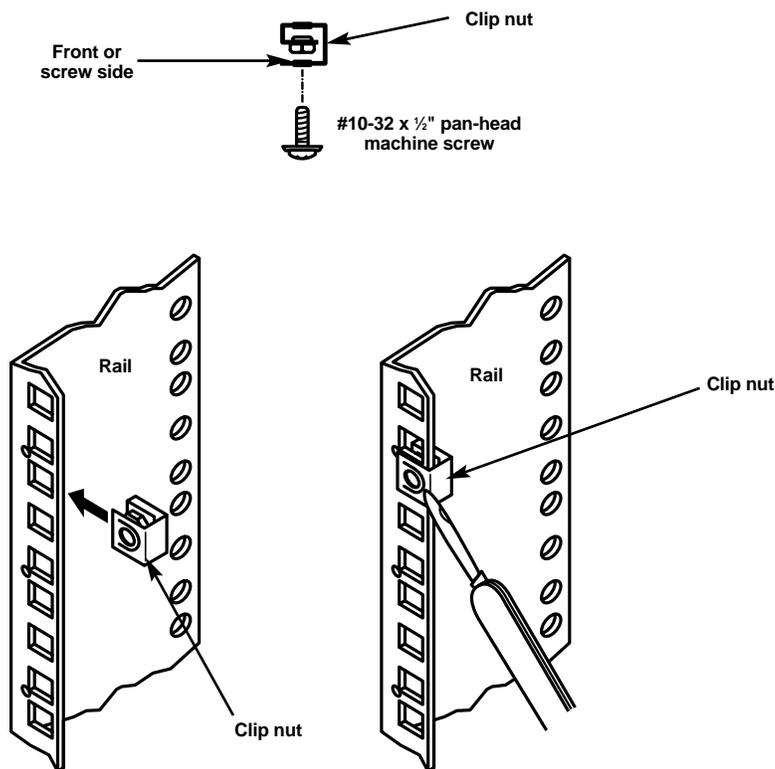


MAX SECURE CO-LOCATION CABINET AND ACCESSORIES

CLIP NUT INSTALLATION

Clip nuts provide mounting points on 19" rackmount equipment rails.

Clip nuts have a front or screw side. Consider which way it should face for ease of access to the screw head during component installation. See the illustration below.



To remove a clip nut from a rail, insert a flat-blade screwdriver or knife under the tab on the front and pry up, freeing the retaining ring from the rail. See the illustration above.

1. Select the location where the shelf will be installed.
2. Snap one clip nut into the top hole at the selected position.
3. Measure from the bottom of the vertical rail to the top clip nut. Snap clip nuts onto the three other rails at the measured height.

Vented Sliding Shelves (RM572 and RM579)

Description

The Vented Sliding Shelf (RM572 and RM579) enables you to access equipment easily—just slide the shelf out. The shelf includes a cable retractor arm. The Shelf holds 100 pounds (45.5 kg) of equipment and is 19 inches (48.3 cm) wide.

What's Included

- (1) Vented Sliding Shelf
- (10) #10-32 clip-nuts
- (8) #10-32 x ½" screws
- (2) 10-32 screws
- (2) #8-32 x ⅜" screws
- (2) #8-32 nuts

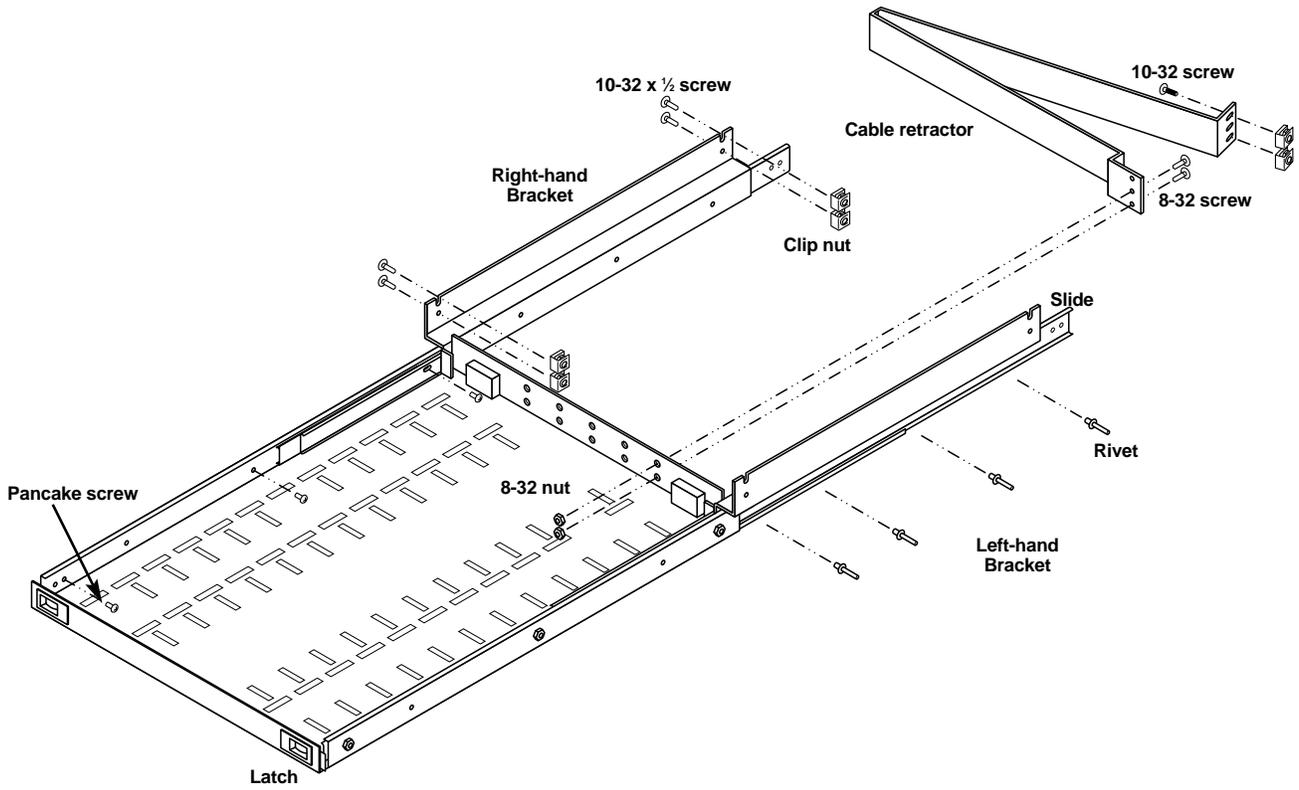
Additional Tools Required

Phillips-head screwdriver

Installation

1. Determine the desired location for the shelf.
2. Attach clip-nuts to the mounting rails (side mount).
3. Attach the shelf assembly with #10-32 screws.
4. Install the cable retractor between the shelf and the back mounting rail, if desired. (See the illustration on the next page.)

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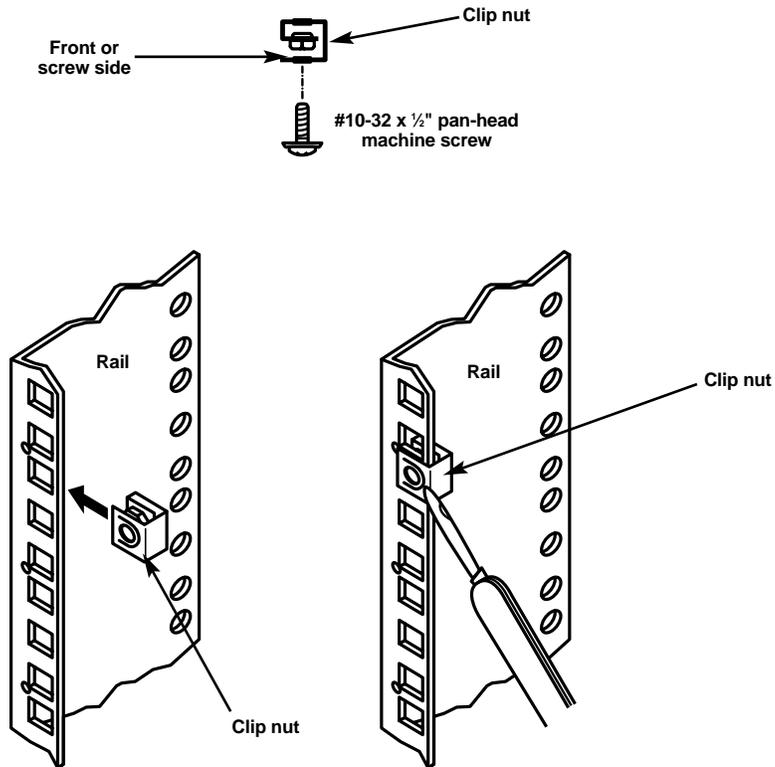


Bottom View

CLIP NUT INSTALLATION

Clip nuts provide mounting points on 19" rackmount equipment rails.

Clip nuts have a front or screw side. Consider which way it should face for ease of access to the screw head during component installation. See the illustration below.



To remove a clip nut from a rail, insert a flat-blade screwdriver or knife under the tab on the front and pry up, freeing the retaining ring from the rail. See the illustration above.

1. Select the location where the shelf will be installed.
2. Snap one clip nut into the top hole at the selected position.
3. Measure from the bottom of the vertical rail to the top clip nut. Snap clip nuts onto the three other rails at the measured height.

Rackmount Fan Panel (RM971 and RM976)

What's Included

- (1) Rackmount front panel
- (4) 10-32 screws
- (4) #10-32 clip-nuts

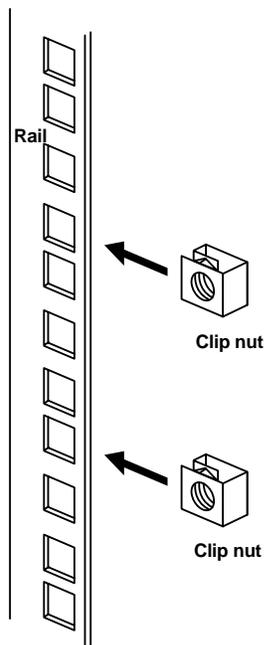
Additional Tools Required

Phillips-head screwdriver

Installation

Clip nuts provide mounting points on 19" rackmount equipment rails.

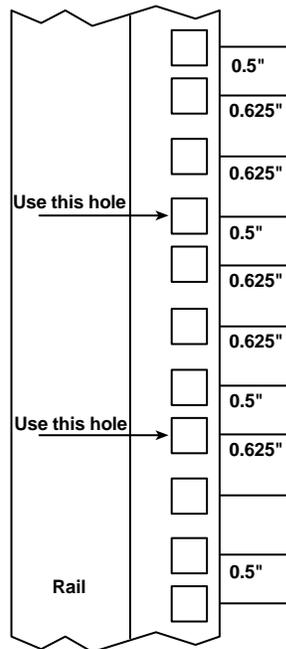
Clip nuts have a front or side screw. Consider which way it should face for ease of access to the screw head during component installation. See the figure below.



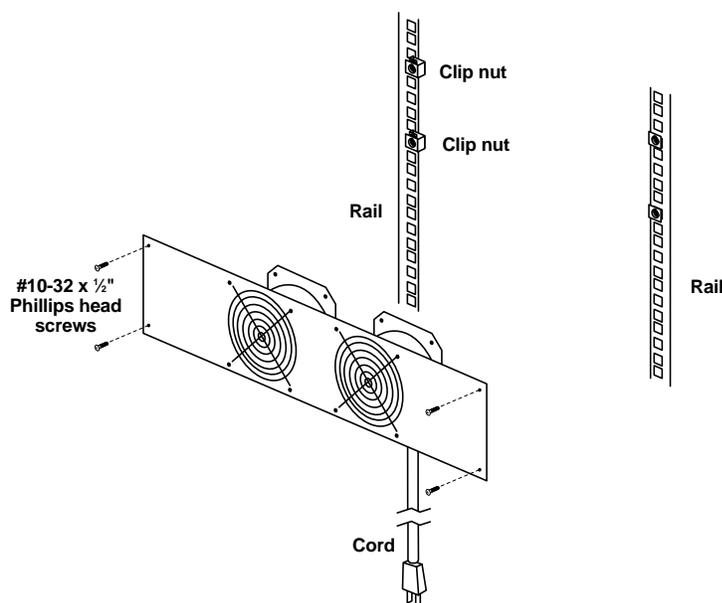
MAX SECURE CO-LOCATION CABINET AND ACCESSORIES

To remove a clip nut from a rail, insert a flat-blade screwdriver or knife under the tab on the front and pry up, freeing the retaining ring from the rail.

1. Select the location at which the fan panel will be installed in the Cabinet.
2. Snap one clip nut into the top hole at the selected position and then install another one four holes down. See the figure below.



3. Measure from the bottom of the vertical rail to the top clip nut. Assemble clip nuts onto the opposite rail at the measured height.
4. Assemble the fan panel to the rails with the #10-32 x 1/2" Phillips-head screws provided. See the figure below.



Keyboard Shelf (RM574-R2 and RM580-R2)

Description

The Keyboard Shelf accommodates keyboards up to 16¼" wide and 8½" deep. The Shelf includes a cable retractor arm, which is 19 inches (48.3 cm) wide.

What's Included

- (1) 19" Keyboard Shelf
- (10) #10-32 clip nuts (Tinnerman #C31758-1032-3B)
- (10) Phillips-head screws

Additional Tools Required

Phillips-head screwdriver

Installation

1. Before installing the Keyboard Shelf, adjust the mounting rails to the proper depth.
2. Determine the desired location for the shelf. Snap clip-nuts into the mounting rails. Attach the shelf mounting brackets to the mounting rails with the 10-32 Phillips-head screws provided.
3. Slide the shelf into the bracket.
4. Install a cable retractor between the shelf and the back mounting rail, if desired. (See the illustration on the next page.)

MAX SECURE CO-LOCATION CABINET AND ACCESSORIES

