

HP 10000 Series Cabinet Rack Mount Kit Installation Instructions

HP ProCurve switches can be mounted with the optional Rack Mount Kit (5070-0145) in an HP 10000 Series cabinet. Rails stabilize a switch so that it can be factory-installed and shipped in an HP 10000 Series cabinet.

Note: Although the illustrations in this guide show a Switch 5406zl/8200zl and 6600 Switch, the instructions may apply to other switch models.

To install the rails and a switch in an HP 10000 Series rack, follow these steps:

1. With a posi-drive screwdriver, install two M6 (16-mm) screws and two M6 cage nuts to attach each rail to the rack as shown in the Figure 1. Ensure that the rails are at the same height on each post.

Devices installed in a rack or cabinet should be mounted as low as possible, with the heaviest device on the bottom and progressively lighter devices installed above it.

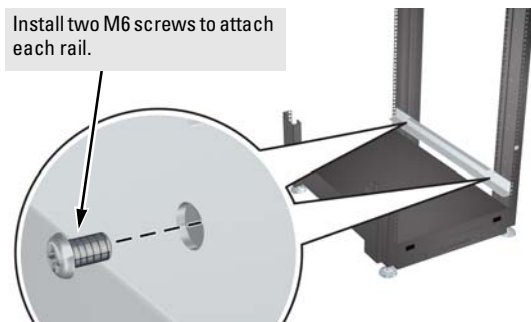


Figure 1. Attaching Rails to a Rack

2. Use a #1 Phillips (cross-head) screwdriver to attach the hold-down and mounting brackets with the M4 (8 mm) flat-head screws that are shipped with the switch.

Figures 2, 3, 4, and 5 show where to install the hold-down and mounting brackets on a Switch 5406zl/8200zl and 6600 Switch chassis.

Install a hold-down bracket with two M4 screws.

Install a mounting bracket with four M4 screws.

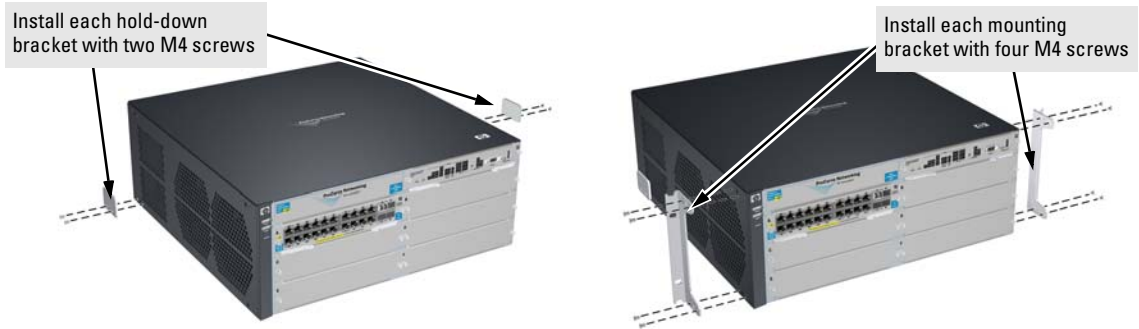


Figure 2. Installing Hold-down and Mounting Brackets on a Switch 5406zl/8200zl

Option 1 - Power-side-front mounting for **6600-24XG**, **6600-48G**, and **6600-48G-4XG** Switches (24-inch depth products)

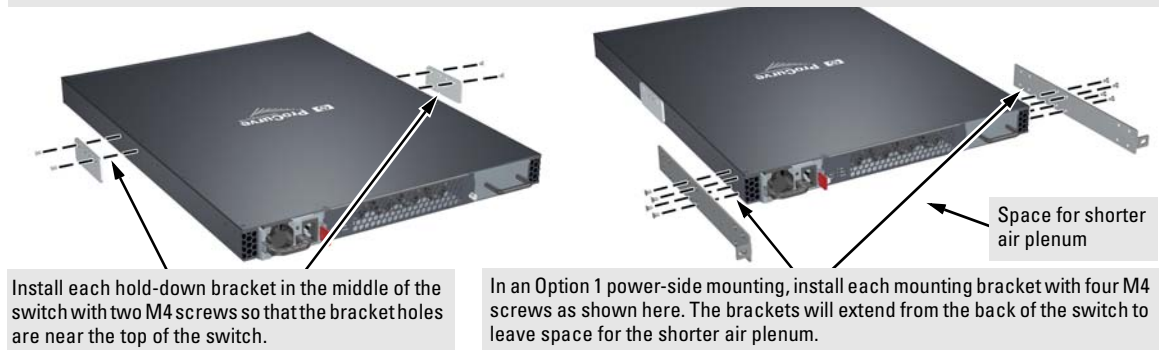


Figure 3. Installing Hold-down and Mounting Brackets on a 6600 Switch: Option 1 - Power-Side Mounting

Option 2 - Power-side-front mounting for **6600-24G** and **6600-24G-4XG** Switches (20-inch depth products)

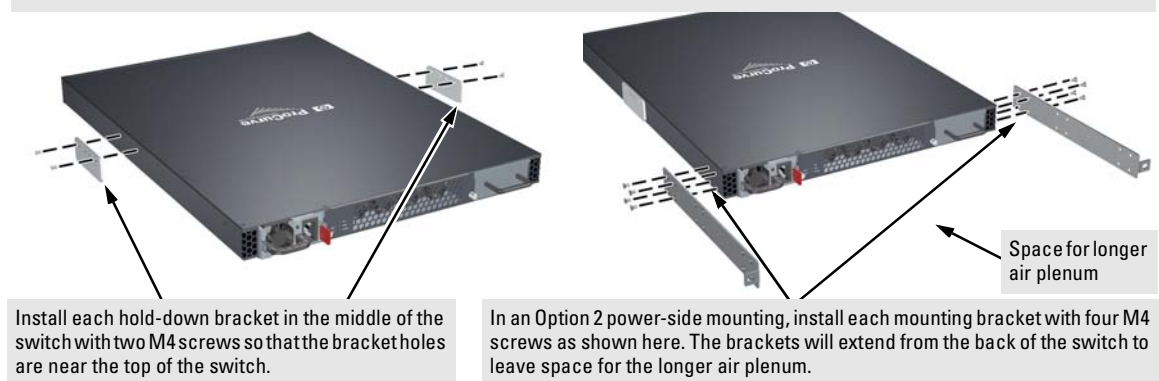


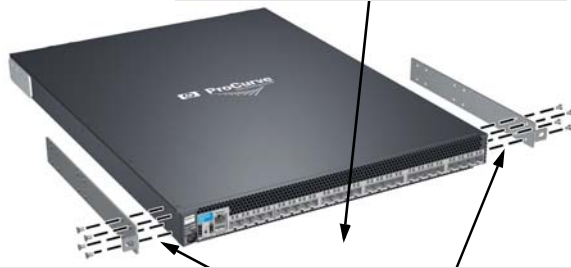
Figure 4. Installing Hold-down and Mounting Brackets on a 6600 Switch: Option 2 - Power-Side Mounting

Option 3 - Port-side-front mounting for all 6600 Switches



Install each hold-down bracket with two M4 screws at the back of the switch. Ensure that the end of the bracket is flush with the end of the switch and does not hang over.

No air plenum is used in a port-side mounting.



Install each mounting bracket with four M4 screws so that the end of the mounting bracket is flush with the front panel of the 6600 Switch.

Figure 5. Installing Hold-down and Mounting Brackets on a 6600 Switch: Option 3 - Port-Side Mounting

3. Install M6 cage nuts in the appropriate post holes for the switch you are installing. Then slide the switch into the rails until the switch is fully inserted and the mounting hole in each bracket lines up with the cage nut in each rack post. **(If you are installing a 6600 Switch, go to the next page.)**
4. Secure the switch to the rack using the M6 16-mm screws that are shipped as accessories with the rail kit.

Slide the switch into the rails.



Install and tighten two M6 screws in each bracket to secure a Switch 5406zl/8200zl.

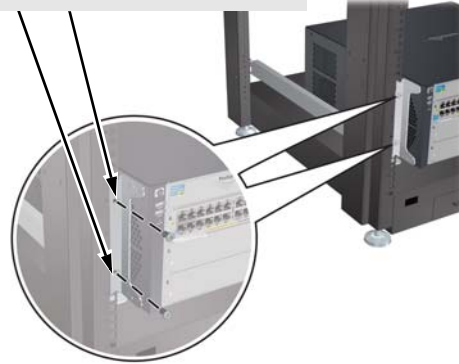


Figure 6. Installing and Securing a Switch 5406zl in the Rack

5. Connect the power cord, route it through the rack, and plug it into an AC power source.

For 6600 Switches:

- If you are installing a 6600 Switch with the port side facing the cold aisle, no air plenum is necessary.
 - a. Install two M6 cage nuts in the appropriate post holes. Then slide the switch into the rack and secure it using two M6 screws (one screw and cage nut per bracket).
 - b. Connect and secure each power cord with a velcro strap. Route each cord through the rack and plug it into an AC power source.

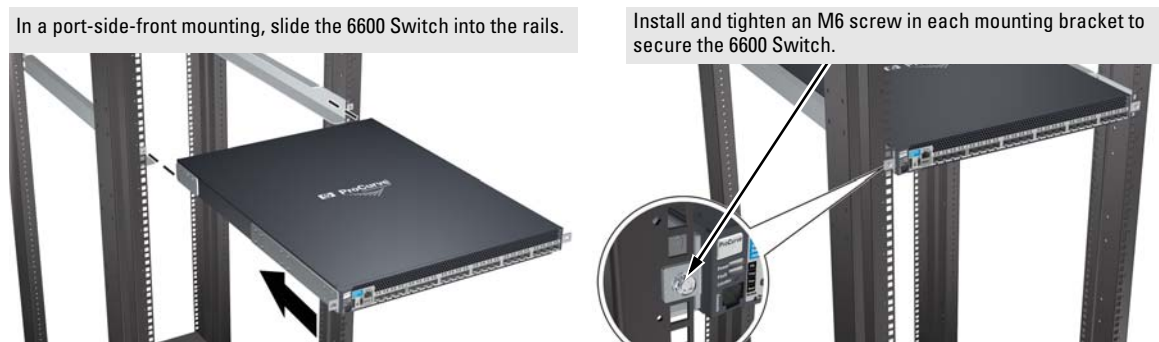


Figure 7. Installing a 6600 Switch in a Port-Side Mounting

- If you are installing a 6600 Switch with the power side facing the cold aisle:
 - a. Install an M6 cage nut in the appropriate hole on each rack post. Then slide the switch into the rack until the switch is fully inserted and the mounting hole in each bracket lines up with the cage nut in each rack post.
 - b. Connect and secure each power cord with a velcro strap. Route each cord through the rack and plug it into an AC power source. (See “Routing a power cord” on page 5 for examples.)
 - c. Install the air plenum. (See “Installing an air plenum” on page 5 for more information.)



Figure 8. Installing a 6600 Switch in a Power-Side Mounting with an Air Plenum

Important: In a port-side or power-side mounting, you must ensure that the air flow direction is from the cold side to the hot side of the aisle. If necessary, reverse the direction of the fans to provide adequate switch cooling as described in Chapter 2, “Installing the Switch”, in the *6600 Switches: Installation and Getting Started Guide* at www.procurve.com/manuals.

For 6600 Switches (Continued):

- d. Use two M6 screws (one screw for each bracket) to tighten the plenum and the mounting bracket to the rack.

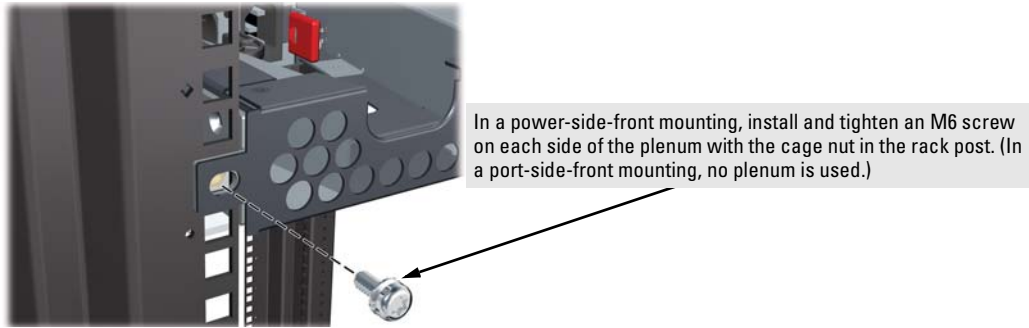


Figure 9. Securing a 6600 Switch to the Rack

Routing a power cord. Figure 10 shows different ways in which you can route a power cord through the plenum in a power-side mounting.



Figure 10. Routing a Power Cord Through the Front of the Plenum or Up and Over the Switch

Installing an Air Plenum: Be sure to use the correct plenum for the size of the 6600 Switch being installed. The plenum comes in two sizes. Both plenums are installed in the same way.

- J9480A is the shorter air plenum for 6600-24XG, 6600-48G, and 6600-48G-4XG Switches.
- J9481A is the longer air plenum for 6600-24G and 6600-24G-4XG Switches.

Slide the plenum into the rails until the plenum is fully inserted and the mounting hole on each side lines up with the with the cage nut in the rack post.

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