Installing the Device

Unpacking the Device

The device, accessory kit, publications, and any optional units may be shipped in more than one container. When you unpack the containers, check the packing list to ensure that you have received all the items on the list.

Only unpack the product when you are ready to install it. This will help prevent accidental damage.

Installing the Cisco 5100 ENCS

If not already installed, the DIMMs and the M.2 storage module must be installed before rack-mounting or wall-mounting the chassis.

Warning Only trained and qualified personnel should be allowed to install, replace, or service this equipment. Statement 1030

Rack-Mounting the Chassis

The Cisco 5100 ENCS can be installed in 19-inch (48.26-cm) racks. Use the standard brackets shipped with the chassis for mounting the chassis in a 19-inch EIA rack.

Warning To prevent airflow restriction, allow clearance around the ventilation openings to be at least: 1-inch (25.4-mm) Statement 1076

You can mount the device in the following ways:

- Front mounting—Brackets attached at the front of the chassis with the front panel facing forward
- Back mounting—Brackets attached at the back of the chassis with the back panel facing forward

Attaching Brackets to the Chassis

Attach one mounting bracket to each side of the device as shown in following figures. You need two screws to attach each bracket to the device. Total four screws are required to attach both brackets to the device. Use the screws provided with the mounting kit to attach the screws to the device.

Figure 1: Bracket Installation for Front Mounting

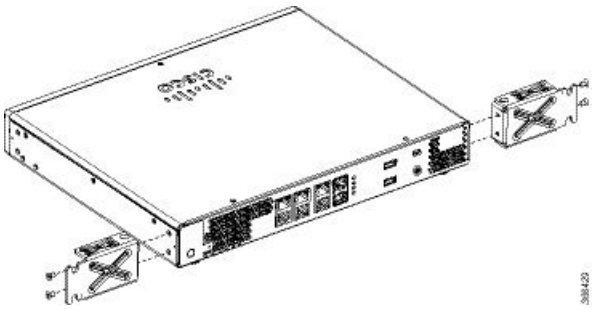
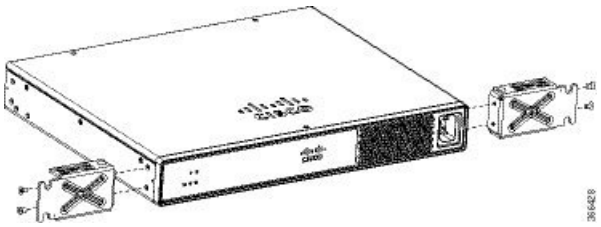


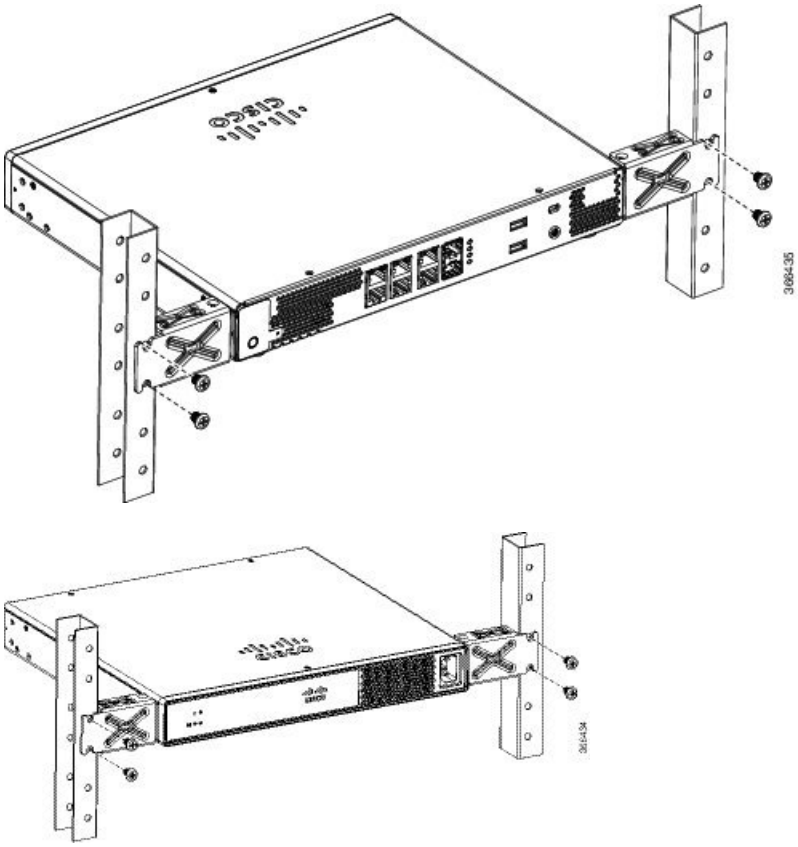
Figure 2: Bracket Installation for Back Mounting



Mounting the device in a Rack

After you attach the brackets to the device, install the chassis on the rack as shown in following figures. You need two screws to attach each bracket to the rack. Total four screws are required to attach the device to the rack. The screws for attaching the device to the rack are not provided with the kit.

Figure 3: Mounting the Chassis on the Rack - Front and Back



Tip The screw slots in the brackets are spaced to line up with every *second* pair of screw holes in the rack. When the correct screw holes are used, the small threaded holes in the brackets line up with unused screw holes in the rack. If the small holes do not line up with the rack holes, you must raise or lower the brackets to the next rack hole.

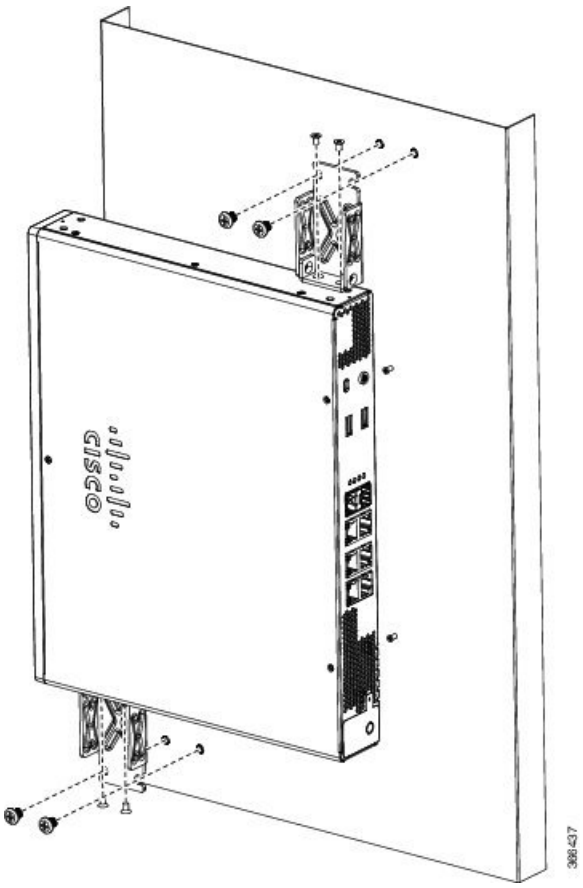
Wall-Mounting the Chassis

These are the steps to wall mount the chassis:

Step 1 Attach the brackets to the device using the screws provided with the mounting kit.

Two screws should be used to attach each bracket to the chassis as shown in the following figure.

Figure 4: Wall Mounting the Server



Step 2 Fix the chassis to the wall using the brackets that you attached to the device.

The screws for attaching the device to the wall are not provided with the kit. Depending on the type of wall (wood, brick, stone etc), use appropriate screws to fix the device to the wall.

Note Route the cables so that they do not put a strain on the connectors or mounting hardware. You can only mount chassis with ports going out in left or right direction. Do not mount the chassis with ports facing upward or downward direction.

Grounding the Chassis

Warning This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available. Statement 1024

These are the steps to install the ground connection for the device:

Before you begin

- Connect the chassis to the earth ground; the ground wire must be installed in accordance with local electrical safety standards.
- For grounding, use size 14 AWG copper wire and the ground lug provided in the accessory kit.

Step 1 Strip one end of the ground wire to the length required for the ground lug.

Step 2 Crimp the ground wire to the ground lug using a crimp tool of the appropriate size.

Step 3 Attach the ground lug to the chassis as shown in the figure. Use the screws provided along with the ground lug to attach the lug to the device.

Figure 5: Chassis Ground Connection on the Device

Powering On the Server

Step 1 Attach the power cord to the power supply unit in the server and then attach the other end of the power cord to the grounded power outlet.

Step 2 Wait for approximately three minutes.

Step 3 Verify the power status of the system by looking at the system power status LED. The power status LED blinks in amber color during initial boot up and in solid amber when the system reaches the standby power mode.

Initial Server Setup

Local Connection Procedure

1. Ensure that the device is powered on.
2. Connect serial console port on the front panel of the device.
3. When you see the prompt, you can press F2 to get into the setup (BIOS) to change some settings.
4. After you have performed the required configuration, save the setup and continue to boot.

Remote Connection Procedure

1. Plug in your terminal server to the Serial port (Refer to Front panel of Chassis).
2. Telnet into the console and perform the necessary configuration using corresponding commands.