Install the Cisco CW9800L Hardware Platform

This chapter describes how to install the Cisco CW9800L hardware platform, operating as either a Wireless Controller or Campus Gateway.

Warning IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. **Statement 1071**

SAVE THESE INSTRUCTIONS

Mount the CW9800L

This section describes the various mounting options for the controller:

Mount the device on desktop or shelf

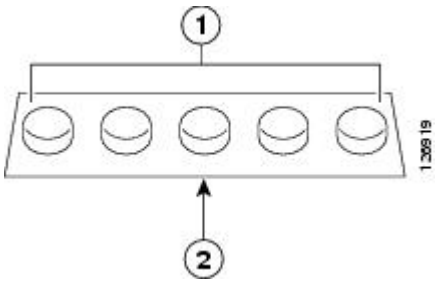
Before mounting the CW9800L on a desktop or shelf, install the rubber feet located in accessory kit shipped with the device.

To install the rubber feet to the device, follow these steps:

Procedure

Step 1 Locate the rubber feet on the black adhesive strip that is shipped with the device.

Figure 1: Identifyithe rubber feet

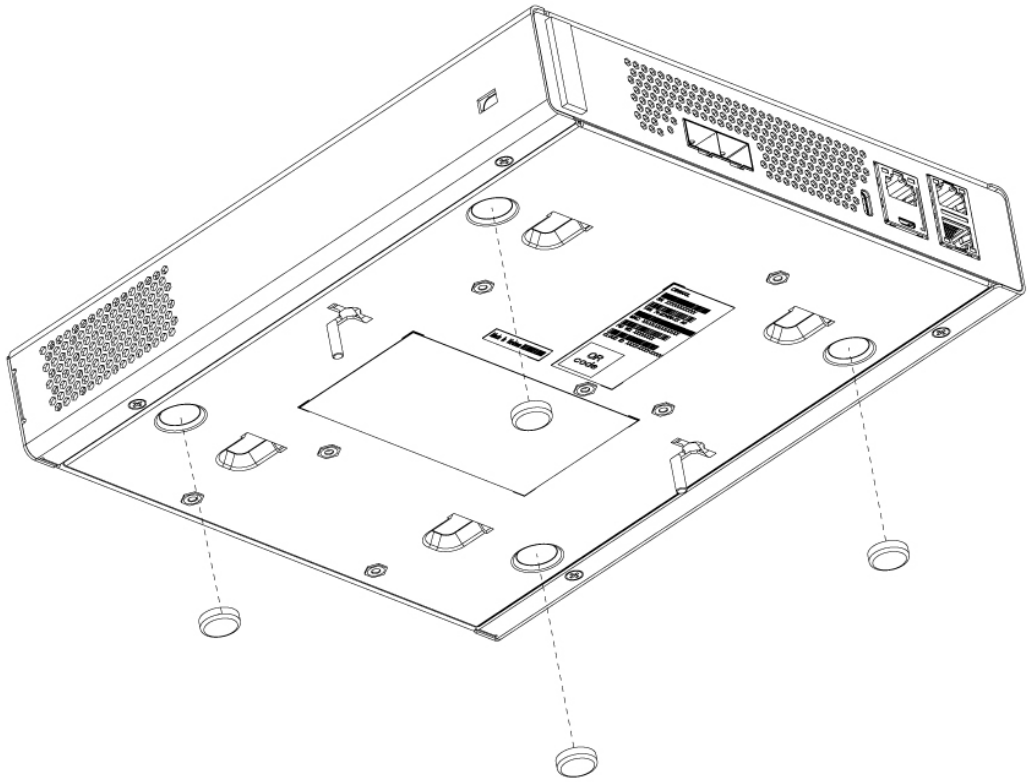


1	Rubber feet	2	Black adhesive strip

Step 2 Place the box upside down, on a smooth, flat surface.

Step 3 Peel off the rubber feet from the black adhesive strip and press them adhesive-side down into the circular recesses in the bottom four corners of the device, see the figure below:

Figure 2: Attach the rubber feet



Step 4 Place the device right-side up on a flat, smooth, secure surface.

Step 5 Connect the interface cables.

Mount the device on a wall

Note Do not wall-mount the device with its front panel facing up. Following safety regulations, wall-mount the device with its front panel facing down or to the side to prevent airflow restriction and to provide easier access to the cables.

Warning Read the wall-mounting carefully before beginning installation. Failure to use the correct hardware or to follow the correct procedures could result in a hazardous situation to people and damage to the system. **Statement 378**.

Note Wall mounting screws are not supplied. Installer must supply proper screws in accordance with local codes.

Controller wall mount holes located on the bottom of the enclosure fit standard #6 or M3 Pan Head screw. The type of screw used to mount to wall should follow local guidelines for wall type and material.

To mount the device on a wall using mounting screws, follow these steps:

Procedure

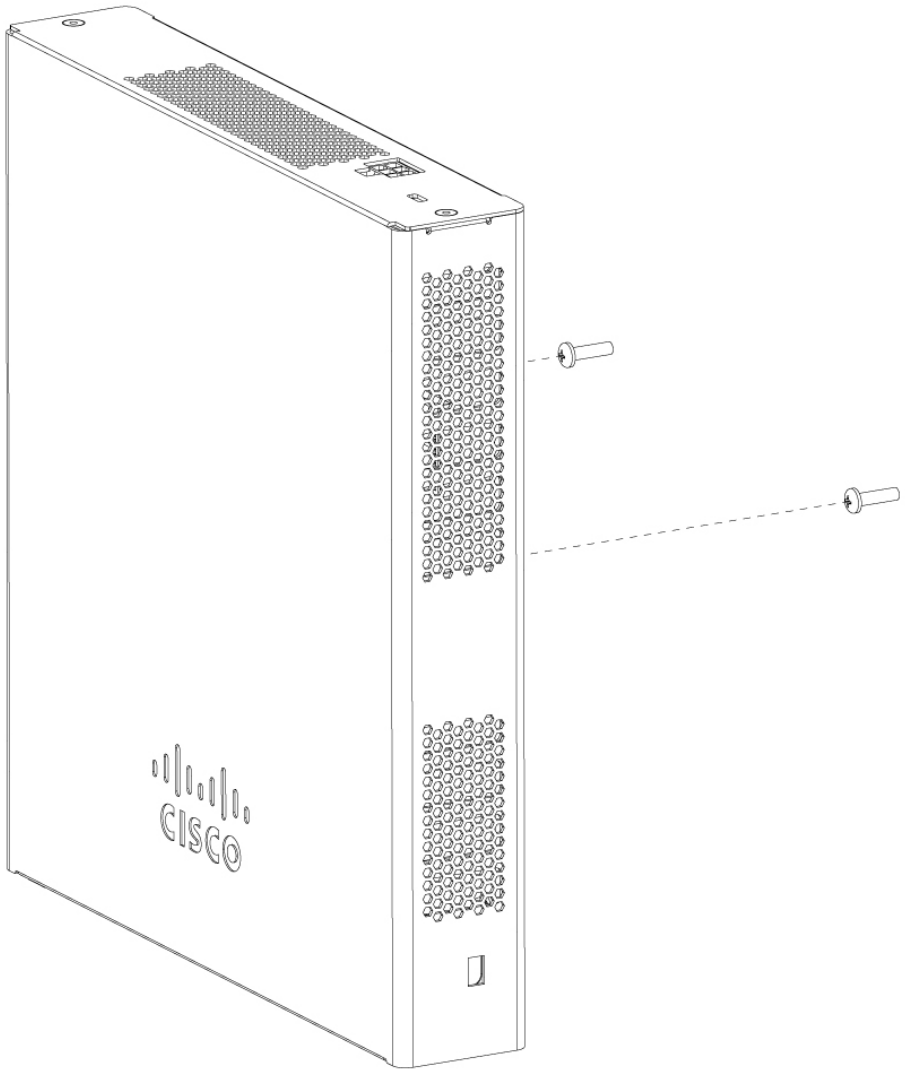
Step 1 Mark the location of the mounting screws on the wall. Use the mount hole locations on the back of the device for placement of the mounting screws. Mounting screw spacing is 6 1/8 inch (155.4 mm).

Step 2 Install two screws and tighten until the top of the screws are 1/8 inch (3 mm) from the wall (leaving enough room for the back panel to slide onto the screws firmly).

Step 3 Place the device onto the mounting screws and slide it down until it locks into place, as shown in figure below:

Note
The front panel of the controller should be facing down.

Figure 3: Place the controller on the mounting screws



Step 4 After the device is mounted on the wall, perform these tasks to complete the installation

- Connect the controller console port (wireless controller operation only).
- Secure the power adapter cable
- Connect to the network

Step 5 For wireless controller configuration instructions about using the CLI setup program, see the *Minimum Bootstrap CLI configuration for Catalyst 9800*.

For Campus Gateway configuration instructions, see the Campus Gateway Overview and Specifications page.

Rack mounting the device

Warning To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. These guidelines ensure your safety.

- Mount this unit at the bottom of the rack if it is the only unit in the rack.
- When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.
- If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.

Statement 1006

Warning Take care when connecting units to the supply circuit so that wiring is not overloaded. **Statement 1018**.

To mount the device in a 19-inch equipment rack, you can order an optional Rack Mount kit CW9800L-RMNT= Cisco CW9800L Wireless Controller Rack Mount Tray.

The rack-mount tray is designed for 19 racks and uses one rack-unit space. To rack-mount the device, perform these steps:

Procedure

Step 1 Remove the four rubber feet if previously installed.

Step 2 Ensure that the latch at the front center of the tray is in the upward position. Position the Cisco CW9800L hardware platform on one half of the tray with the I/O ports toward the front of the tray. The front end of the box should hang about a half inch off the front of the tray. This positioning should align the bottom of it with the 4 hooks in the tray, and allow the box to sit flat on the bottom of the tray. Ensuring that the CW9800L is fully down flat on the bottom of the tray, slide controller it to the rear until it hits a stop. This will occur when the front of it is approximately flush with the front of the rack mount tray. Push the handle on the latch at the front center of the tray down to lock the box in place. Repeat if desired for a second CW9800L on the other side of the tray.

Figure 4: Place the device on the rack mount tray

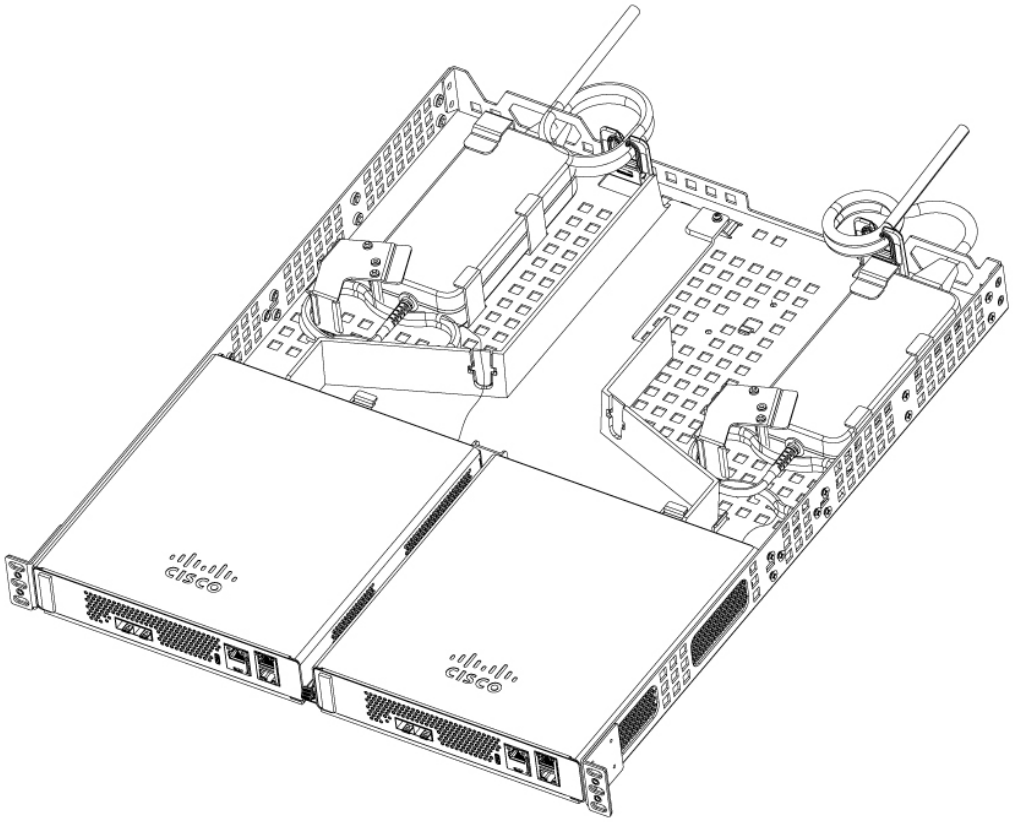
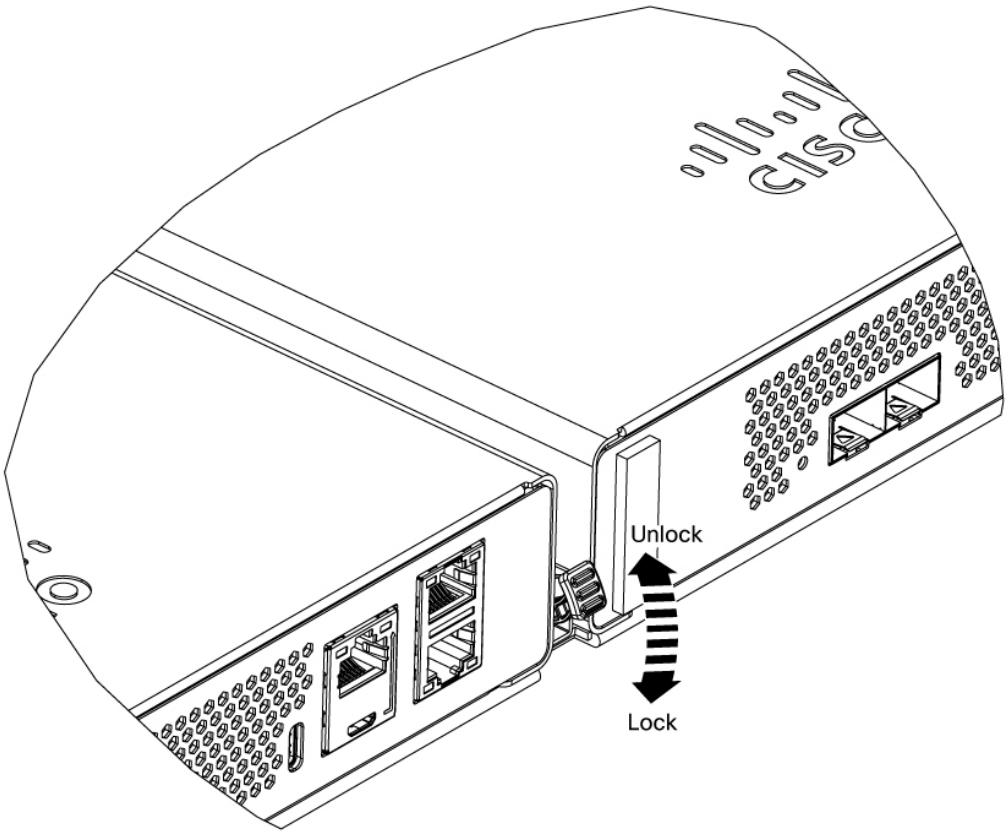
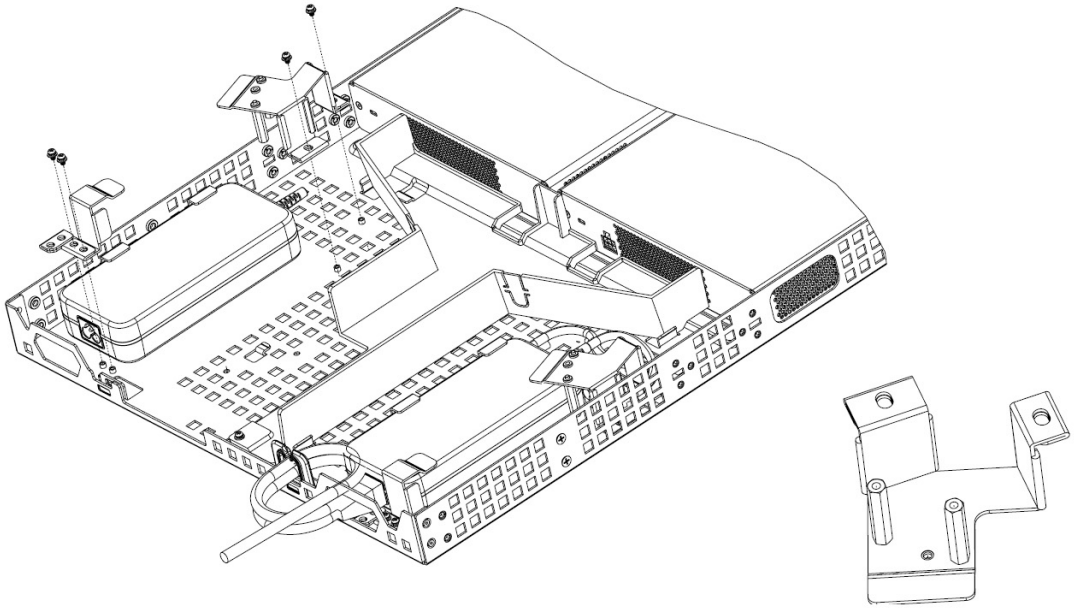


Figure 5: Close-up view of center latch securing the devices in a rack



Step 3 Place each power adapter, with the AC power cord at the rear of the tray, over against the two vertical L-shaped tabs at the left as shown. Secure each adapter body to the tray by installing the two sheet metal brackets to the tray as shown with two screws each.

Figure 6: Install sheet metal brackets into the tray



Step 4 Route the power adapter DC output cords to the CW9800L power connectors. Bundle and secure any excess cable neatly. On the right side of the tray (viewed from the rear), remove the break-out tab on the plastic air baffle to allow the cord to be routed to the CW9800L input power connector. Bend the tab back and forth a few times and break it out of its slot.

Step 5 Using the hardware supplied, mount the rack mount tray to the rack according to these figures.

Figure 7: Attach the rack mount tray to a front post rack

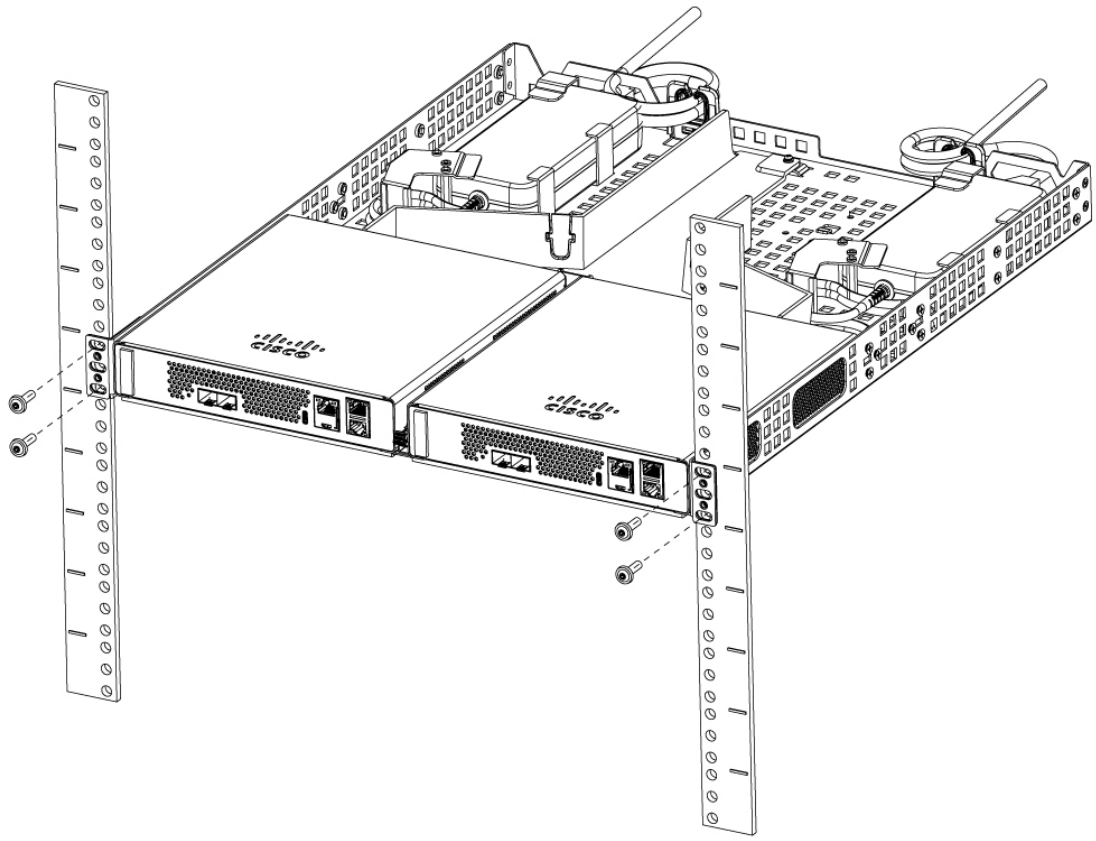
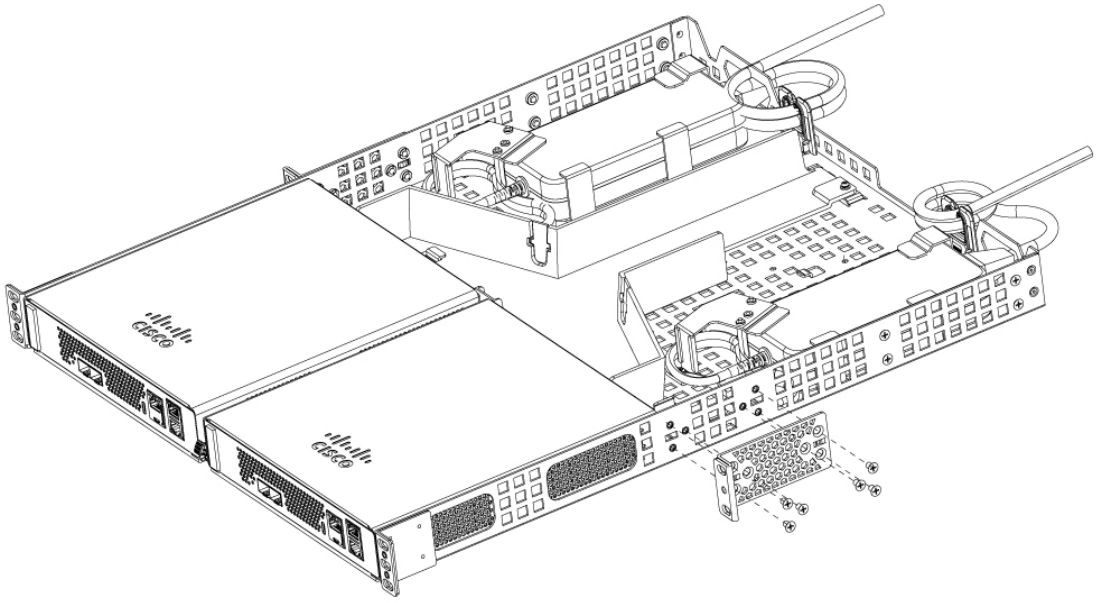
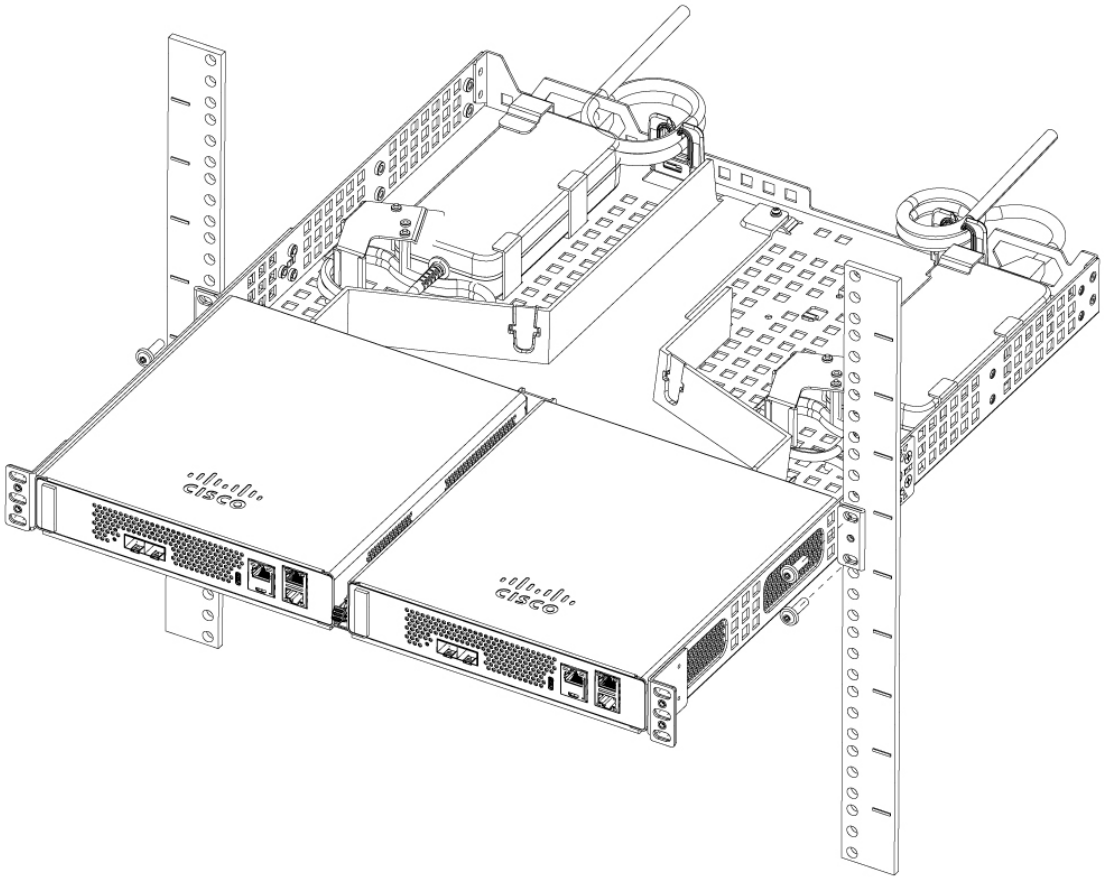


Figure 8: Installing the rack mount tray to a center post rack



Note
Install the center mount brackets to both sides of the tray.

Figure 9: Installing the rack mount tray to a center post rack



To remove the chassis from the rack, remove the screws that attach the chassis to the rack, and then remove the chassis.

Wireless controller operation

Connect the controller console port

Note Install the USB device driver before establishing a physical connection between the controller and the PC using the USB Console cable plugged into the USB serial port, otherwise the connection will fail.

Procedure

Step 1 Perform either one of these tasks:

- Connect the end of the console cable with the RJ-45 connector to the console port on the controller.
- Connect a Micro USB Type-B cable to the Micro USB console port. If you are using the USB serial port for the first time on a Windows-based computer, ensure that you have installed the USB driver.

Note
It is not possible to use both the Micro USB console port and the CPU console port concurrently. If both the ports are connected, the USB port takes precedence over the CPU console port.

Step 2 If you are using a standard Cisco DB-9 console cable, connect the end of the cable with the DB-9 connector (or USB Type-A) to the terminal or PC. If your terminal or PC has a console port that does not accommodate a DB-9 connector, you must provide an appropriate adapter for that port.

Step 3 To communicate with the controller, start a terminal emulator application. This software should be configured with these parameters:

- 9600 baud
- 8 data bits
- No parity
- No flow control
- 1 stop bit

Connect the management Ethernet port cable

Before you begin

Caution To comply with Class A emission requirements, a shielded Ethernet cable must be used for the connection

Procedure

Step 1 Insert an Ethernet RJ-45 cable into the service port.

Step 2 Insert the other end of the RJ-45 cable to your management device or network.

Campus gateway operation

Install a security lock

The controller has a security slot on the back panel. You can install an optional customer-supplied Kensington lock, such as the type that is used to secure a laptop computer, to secure the controller. See *Cisco CW9800L Wireless Controller Rear Panel* section for the location of the security lock.