



Connecting the Switch

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10/100/1000 PoE and PoE+ Port Connections

The ports provide PoE support for devices compliant with IEEE 802.3af and 802.3at (PoE+), and also provide Cisco prestandard PoE support for Cisco IP Phones and Cisco Aironet Access Points.

On a per-port basis, you can control whether or not a port automatically provides power when an IP phone or an access point is connected.



Caution Category 5e and Category 6 cables can store high levels of static electricity. Always ground the cables to a suitable and safe earth ground before connecting them to the switch or other devices.



Caution Noncompliant cabling or powered devices can cause a PoE port fault. Use only standard-compliant cabling to connect Cisco prestandard IP Phones and wireless access points, IEEE 802.3af, or 802.3at (PoE+) compliant devices. You must remove any cable or device that causes a PoE fault.

Procedure

- Step 1** Connect one end of the cable to the switch PoE port.
- Step 2** Connect the other end of the cable to an RJ-45 connector on the other device. The port LED turns on when both devices have established a link.
- The port LED is amber while STP discovers the topology and searches for loops. This process takes about 30 seconds, and then the port LED turns green. If the LED is off, the other device might not be turned on, there might be a cable problem, or there might be a problem with the adapter in the other device.
- Step 3** Reconfigure and reboot the connected device, if needed.
- Step 4** Repeat Steps 1 through 3 to connect each device.

Note Many legacy powered devices, including older Cisco IP phones and access points that do not fully support IEEE 802.3af, might not support PoE when connected to the switches by a crossover cable.

10/100/1000 Ethernet Port Connections

The switch 10/100/1000 Ethernet port configuration changes to operate at the speed of the attached device. If the attached ports do not support autonegotiation, you can manually set the speed and duplex parameters. Connecting devices that do not autonegotiate or that have the speed and duplex parameters manually set can reduce performance or result in no linkage.

To maximize performance, choose one of these methods for configuring the Ethernet ports:

- Let the ports autonegotiate both speed and duplex.
- Set the interface speed and duplex parameters on both ends of the connection.

Powering up the Switch

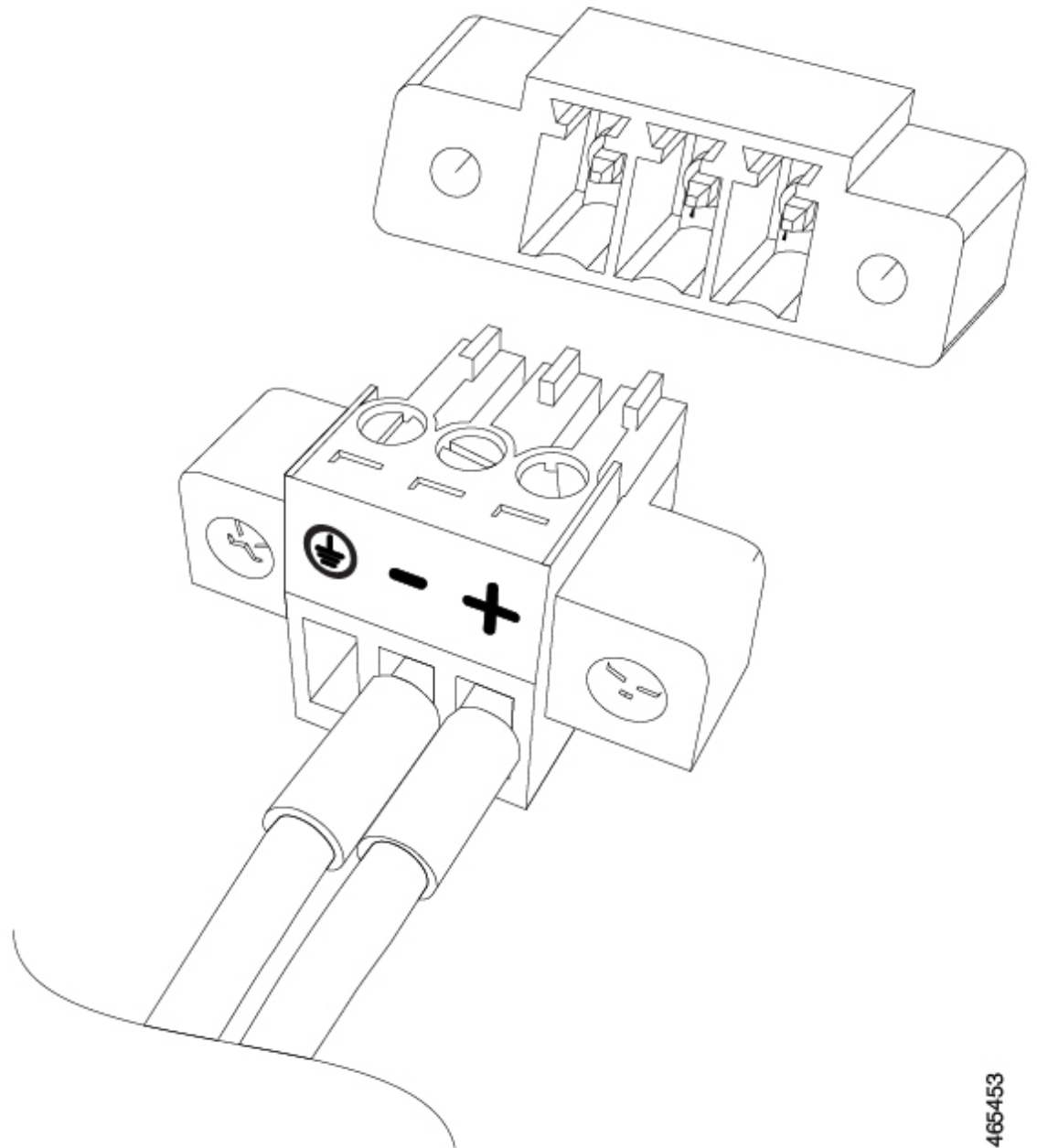
Procedure

Step 1 Plug the AC connector on the auxiliary power adapter cord into an AC power socket.

Step 2 Insert the DC connector of the adapter into the power adapter slot on the switch. The System LED starts blinking indicating that the system is booting.

Note If you are using the 65W AC to DC power adapter to power the CMICR-4PC and CMICR-4PS switches, then follow the power adapter cable polarity as shown in the following image.

Figure 1: 65W AC to DC Adapter



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- Step 3** For CMICR-4PC switches, to utilize the power from the uplink port on the switch, connect an Ethernet cable between the uplink port and the PSE port.
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