Quick Installation Guide

Installing the Switch

The switch is designed for office use, where it can be free standing, desktop-mounted, or mounted in most standard 19-inch equipment racks. If you prefer, you can rack-mount the switch in a wiring closet or equipment room using two mounting brackets and six screws.

When choosing a location for the switch, observe the following guidelines:

- Make sure the switch is accessible and that the cables can be connected easily.
- Keep cabling away from sources of electrical noise such as radios, transmitters, and broadband amplifiers as well as power lines and fluorescent lighting fixtures.
- Prevent water or moisture from entering the switch case.
- Make sure there are no obstructions to restrict airflow around the switch. We recommend that you provide a minimum of 50 millimeter (2-inch) clearance.
- Do not place liquids or other objects on top of the switch.
- If the switches are freestanding, do not stack more than four switches on top of one another.

Pre-Installation Considerations

Fast Ethernet Topology Considerations
If you will be using the switch for Fast Ethernet (100 Mbps) operation, observe the following guidelines:

- The maximum unshielded twisted-pair (UTP) cable length is 100 meters (328 feet) over Category 5 cable.
- Single-repeater topologies permit a total network span of 325 meters (1066 feet).

Full-Duplex Considerations
The switch provides full-duplex support for its Fast Ethernet ports. Full-duplex operation allows frames to be sent and received simultaneously, doubling a link's potential data throughput. If you will be using the switch in full-duplex mode, the maximum UTP cable length is 100 meters (328 feet) over Category 5 cable.

Desktop or Shelf Mounting

To install the switch on a desktop or shelf, simply complete the following steps:

Step 1 Place the switch on a desktop or shelf near an AC power source.
Step 2 Keep enough ventilation space between the switch and the surrounding objects.
Step 3 Connect the switch to network devices.

A. Connect one end of a standard network cable to the 10/100 RJ-45 ports on the front of the switch.
B. Connect the other end of the cable to the network devices such as printer servers, workstations or routers.

Note: It is strongly recommended to use the UTP Category 5 network cabling with RJ-45 tips for the network connection.

Step 4 Supply power to the switch.

A. Connect one end of the power cable to the switch.
B. Connect the power cube end of the power cable to a standard wall outlet.

When the switch receives power, the Power LED should remain solid Green.

Rack-Mounting

The following procedure describes how to install the switch in a standard 19-inch rack.
● Disconnect all cables from the switch.
● Remove all adhesive pads from the bottom of the switch.

Step 1 Place the switch right side up on a hard flat surface, with the front panel facing you.
Step 2 Locate a mounting bracket over the mounting holes on one side of the switch
Step 3 Insert three screws and use a screwdriver to secure.
Step 4 Repeat the two previous steps for the other side of the switch.
Step 5 Insert the switch into the 19-inch rack and secure with suitable screws. Make sure the ventilation holes on the switch are not obstructed.
Step 6 Connect the network cable and supply power to the switch.

Figure 1 Locating a Mounting Bracket