EX17162A Unmanaged Switch Installation Guide

1 Unpacking

Unpack the items. Your package should include:

- One EX17162A unmanaged switch
- One external power adapter
- Rack-mounting hardware brackets
- One CD containing this user's guide

If items are missing or damaged, notify your EtherWAN representative. Keep the carton and packing material.
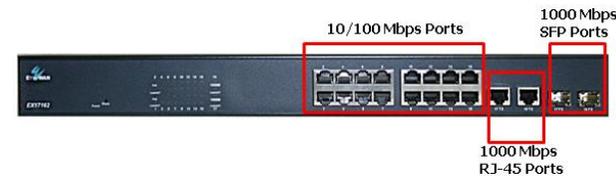
2 What Else You Need

- Category 5 or better Ethernet cables
- Small form-factor pluggable (SFP) laser optical transceiver modules

3 Select a Location

- Desktop installations: Mount on a flat table or shelf surface.
- Rack installations: Use a 19-inch (48.3-centimeter) EIA standard equipment rack that is grounded and physically secure.
- Identify a power source within 6 feet (1.8 meters).
- Choose a dry area with ambient temperature between 0 and 40ºC (32 and 104ºF).
- Do not cover fans on the rear and side.
- Keep away from heat sources, sunlight, warm air exhausts, hot-air vents, and heaters.
- Be sure there is adequate airflow.

- Keep the switch at least 6 ft (1.83 m) away from the nearest source of electromagnetic noise, such as a photocopy machine.

4 Connect to the Data Ports

Sixteen 10/100 Mbps RJ-45 Ports

The switch is equipped with sixteen 10/100 Mbps RJ-45 port that provide IEEE802.3at Power over Ethernet (PoE), with up to 30 Watts per port (50 - 57VDC, 600mA Max.) These ports can be connected to PoE devices such as IP surveillance cameras or Voice Over Internet Protocol (VoIP) phones.
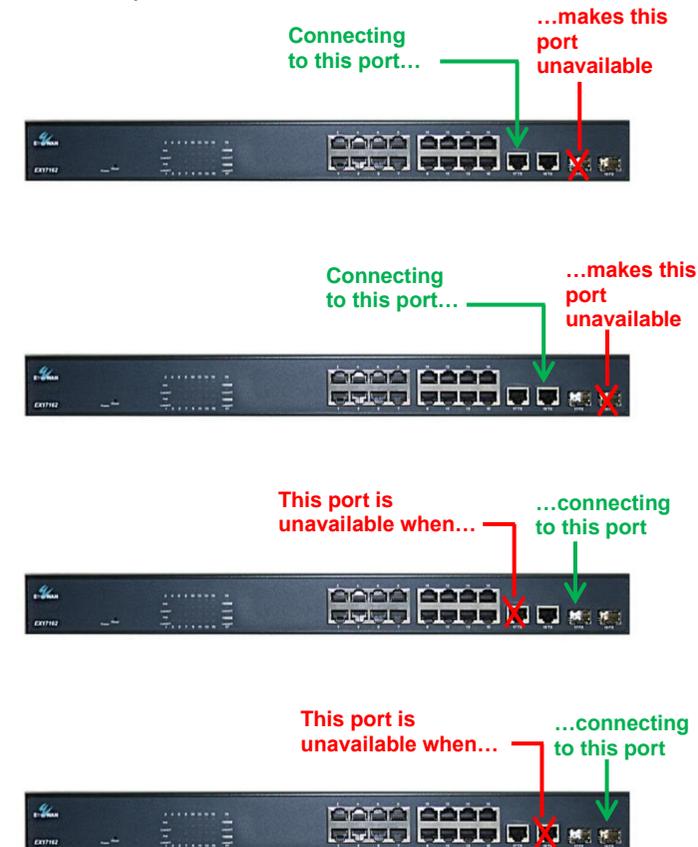
A. Insert one end of a Category 5 or better Ethernet cable into a switch port.
B. Connect the other end into the Ethernet port of the device.
C. Repeat steps A and B for each additional device you want to connect to the switch.

Two 1 Gbps Combo/SFP Ports

The switch provides two 1 Gbps combo/SFP interfaces as RJ-45 ports and SFP ports. These ports can connect to network devices such as a computer, printer, network video recorder (NVR), network storage, or they can connect to the network itself.

RJ-45 ports accommodate Category 5 or better Ethernet cables. SFP ports accommodate standard SFP modules; wear an ESD-preventive wrist strap before connecting SFP modules.

These 1 Gbps interface combo ports operate in "either/or" fashion. This means that attaching to either a 1 Gbps RJ-45 or SFP port renders the equivalent partner 1 Gbps port unavailable. See the examples below.

5 Apply AC Power

A. Connect the female end of the supplied AC power adapter cable to the power receptacle on the switch rear panel. Connect the other end to a grounded 3-pronged AC outlet.

B. On the switch rear panel, move the ON/OFF switch to the ON position.

When you apply AC power:

➢ All green **PoE, Link/ACT**, and **1000M** LEDs blink momentarily.

➢ The fans start.

➢ The yellow **Power** LED goes ON.

➢ The **Link/ACT** and **100M** LEDs for every port connected to a device flash, as the switch conducts a brief Power On Self-Test (POST).

6 Front Panel LEDs

LED	Color	Status
Power	Yellow	ON = switch is receiving power.
PoE *(port number)*	Green	ON = Power Device (PD) is connected.
		OFF = PD is disconnected.
Link/ACT *(port number)*	Green	ON = valid network connection.
		OFF = no data transmission on port.
		Flashing = port is sending or receiving data.
1000M *(port number)*	Green	ON = 1000 Mbps port connection.
		OFF = 10 Mbps port connection.
		Flashing = 100 Mbps port connection.

Congratulations! You have successfully installed your switch.

NOTES: