

## 1 Unpacking

Unpack the items. Your package should include:

- One EX17162 Web-Smart 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

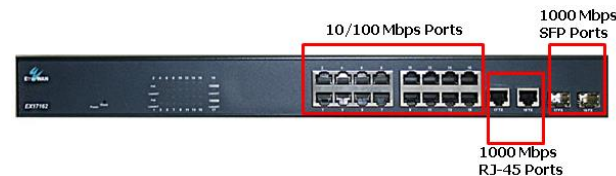
- Category 5 or better Ethernet cables
- Small form-factor pluggable (SFP) laser optical transceiver modules
- Notebook PC with Ethernet (RJ-45) Interface and installed Web browser

## 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 40°C (32 and 104°F).
- 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 photocopier 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 ports 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.

- Insert one end of a Category 5 or better Ethernet cable into a switch port.
- Connect the other end into the Ethernet port of the device.
- Repeat steps A and B for each additional device you want to connect to the switch.

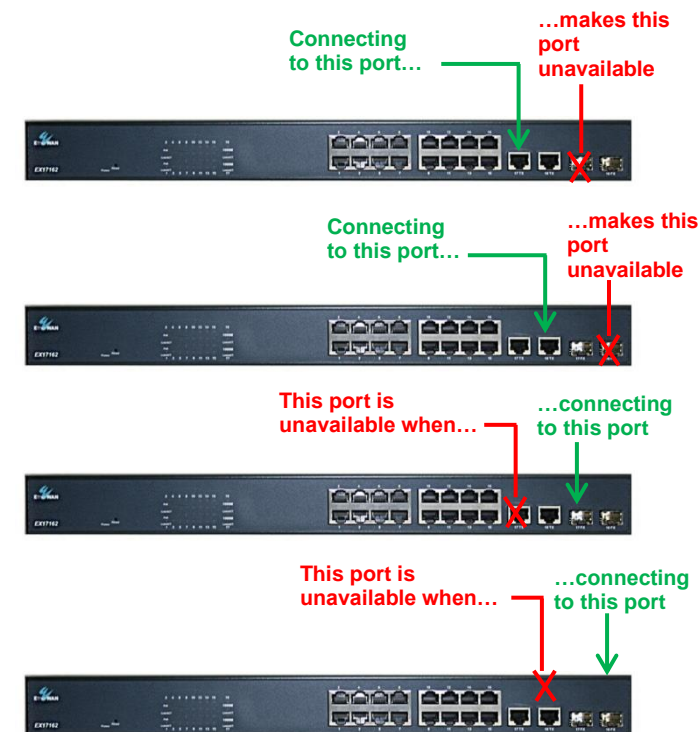
### Two 1 Gbps Combo/SFP Ports

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:

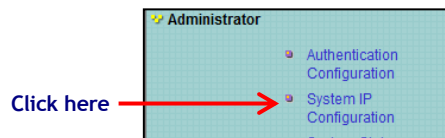
- All green **PoE**, **Link/ACT**, and **1000M** LEDs blink momentarily.
- The fans start.
- The yellow **Power** LED goes ON.
- The **Link/ACT** and **100M** LEDs for every port connected to a device flash, as the switch conducts a brief Power On Self-Test (POST).

## 6 Configure the Switch

After the switch passes its POST, perform a basic configuration of the switch.

- A. Connect an available 10/100 Mbps RJ-45 switch port to a PC using a Category 5 or better Ethernet cable.
- B. Confirm that the **Link/ACT** LED for the switch port to which the PC is connected is ON.
- C. Configure the PC's TCP/IP settings to use the subnet 192.168.2.2.
- D. In a Web browser, type <http://192.168.2.1> in the address bar and press Enter.
- E. At the User Log In screen, type **admin** for the ID (username) and password (both are case sensitive), and then click **OK**.

- F. In the left pane, click **Administrator > System IP Configuration**.



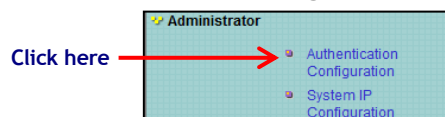
- G. At the System IP Configuration page, perform one of these steps next to **IP Configure**:

- If your network uses a DHCP server, click **DHCP**.
- If your network uses static IP addresses, click **Static**. Enter the switch's **IP Address**, **Subnet Mask**, and **Gateway** settings.

Setting	Value
IP Address	192 . 168 . 2 . 1
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 2 . 254
IP Configure	<input checked="" type="radio"/> Static <input type="radio"/> DHCP

- H. Click **Update**.

- I. In the left pane, click **Administrator > Authentication Configuration**.



- J. At the Authentication Configuration page, complete the following fields:

- **Username** = enter a new username.
- **Password** = enter a new password.
- **Confirm** = re-enter the new password.

Username and password are case-sensitive. Permitted characters are a-z, A-Z, 0-9, underscore, and plus, minus, and equals signs.

Setting	Value
Username	admin max:15
Password Confirm	***** max:15

- K. Click **Update**.

## 7 Front Panel LEDs

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

**Congratulations!** You have successfully performed a basic installation. For advanced configuration information, refer to the user guide.