1 Unpacking

Unpack the items. Your package should include:

➤ One EX76000 Series hardened Managed switch

➤ 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

➤ Appropriate cables for data ports

➤ Personal computer or laptop

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 -40 and 75℃ (-40 and 167℉).

➤ 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

Your switch has the following ports:

➤ 8, 12, or 16 10/100Base-TX Power over Ethernet (PoE) ports

➤ 0, 2, or 4 100Base-FX ports

➤ 0, 1, or 2 Gigabit ports

10/100Base-TX and 100Base-FX Ports

These ports can connect to devices such as an IP surveillance camera or a Voice Over Internet Protocol (VoIP) phone.

The 10/100Base-TX PoE ports conform to IEEE802.3af/at. They provide up to 15.4/30W per port, with a total power budget of 246/480W.

A. Insert one end of an appropriate 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.

Gigabit Ports

Some switch models have 10/100/1000Base-TX ports with no Gigabit fiber ports, or combo 10/100/1000Base-TX with 1000Base-SX/LX/BX ports. You can connect these ports to network devices such as a computer, printer, network video recorder (NVR), network storage, or they can connect to the network itself.

Combo ports operate in "either/or" fashion. This means that attaching to a 1 Gbps combo port renders the equivalent partner combo port unavailable.

5 Apply DC Power

The switch has two pairs of power inputs on a 12-48VDC terminal block. Only one power input is required to operate the switch. However, redundant power supply functionality is supported. The terminal block has 8 terminal posts.
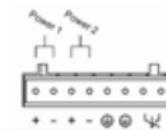
Pin		Description
Power 2	+	48VDC
	–	Power Ground
Power 1	+	48VDC
	–	Power Ground
Earth Ground		Earth Ground
Relay Output Rating		1A@24VDC

Power Failure Alarm

Two pins on the terminal block provide for power failure detection. Do not connect a power source to these pins.

The relay contact closes if Power 1 and Power 2 are both failed.

Power-Up Sequence

When you apply power:

> ➤ All **Link/ACT** LEDs blink momentarily.

> ➤ The **Power** LED goes ON.

> ➤ LEDs for every port connected to a device flash.

6 Front Panel LEDs

| LED	Color	Status
Power	Green	ON = switch receiving power.
10/100Base-TX Ports		
Link/ACT	Green	ON = valid network connection. OFF = no connection. Flashing = port sending or receiving data.
10/100	Green	ON = valid port connection at 100 Mbps. OFF = valid port connection at 10 Mbps.
PoE	Amber	ON = power device (PD) is connected. OFF = PD is not connected.
100Base-FX/BX Ports		
Link/ACT	Green	ON = valid network connection.
100	Green	ON = valid port connection at 100 Mbps. OFF = no port connection.
10/100/1000Base-TX, 1000Base-SX/LX/BX Ports		
Link/ACT	Green	ON = valid network connection.
1000	Green	ON = valid port connection at 1000 Mbps. OFF = not connecting at 1000 Mbps.

7 Managing the Switch

The following procedures are optional, but recommended for a basic configuration.

A. Connect a PC to an available switch port using an appropriate cable.

B. Confirm that the **Link/ACT** LED for the switch port to which the PC is connected is ON. If not, choose a different port.

C. Configure the PC's TCP/IP settings to use the subnet `192.168.1.X` and subnet mask `255.255.255.0`, where `X` is a number from 2 to 254 other than 10.

D. In a Web browser address bar, type **http://192.168.1.10** and press Enter.

E. Log in to the management interface:
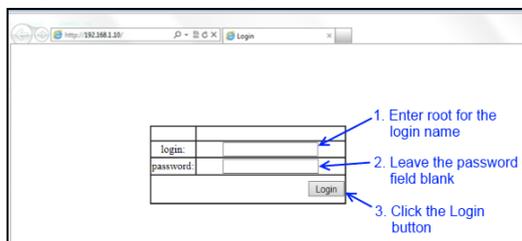
F. Change the system name:

- In the left pane, click **+** next to **System**, then click **System Name/Password**.

- On the right side, click in the **System Name** text box.

- Replace the name shown with a name you want to assign to the switch.

- Click the **Update Setting** button below the **System Name** text box.
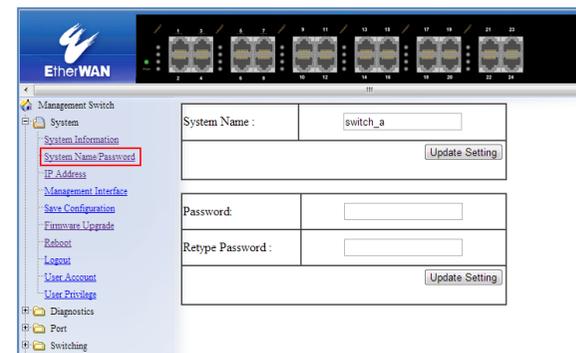
G. By default there is no password assigned to the switch. To add a password:

- In the page above, click in the **Password** text box, enter a password, and retype it in the **Retype Password** text box.

- Click **Update Setting** below the **Retype Password** text box.

H. Change the switch's IP address and subnet mask to match the scheme on your network: