1 Unpacking

Unpack the items. Your package should include:

➢ One EX74000 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

Depending on the model, your switch can have the following ports:

➢ 6 10/100Base-TX ports

➢ 2 Gigabit SFP (DMM) combo ports

10/100Base-TX Ports

These ports can connect to devices such as an IP surveillance camera or a Voice Over Internet Protocol (VoIP) phone. Ports labeled 1-4 support Power over Ethernet (PoE). These ports conform to IEEE802.3af and provide up to 30W max.

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.

Gigabit SFP (DMM) Combo Ports

Gigabit SFP DMM 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.

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

Wear an ESD-preventive wrist strap before connecting to these ports.

5 Apply DC Power

The switch has two pairs of power inputs:

➢ A 47-57VDC terminal block

➢ A 47-57VDC jack

Only one power input is required to operate the switch. However, redundant power supply functionality is supported.

Terminal Block

The switch provides two power inputs on a 47-57VDC terminal block. Only one power input is required to operate the switch. The terminal block has 3 terminal posts.
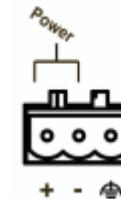
Pin		Description
Power	+	48VDC
	−	Power Ground
⏚		Earth Ground
Relay Output Rating		0.37A @ 48VDC, 0.32A @ 55VDC.

Power-Up Sequence

When you apply DC 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 is receiving power.
10/100Base-TX		
Link/ACT (port number)	Green	ON = valid network connection.
		Flashing = port is sending or receiving data.
PoE	Amber	ON = power device (PD) is connected.
		OFF = PD is not connected.
10/100/1000Base-TX, 1000Base-SX/LX/BX		
Link/ACT (port number)	Orange	ON = valid network connection.
		Flashing = port is sending or receiving data.

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:

1. Enter root for the login name
2. Leave the password field blank
3. Click the Login button
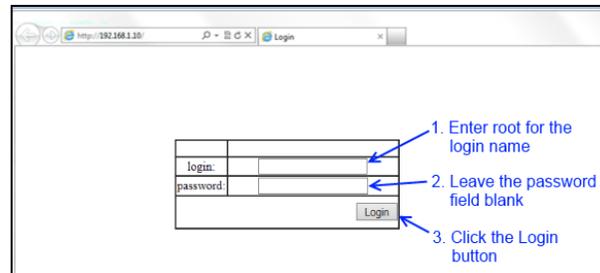
F. Change the system name:

- 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.
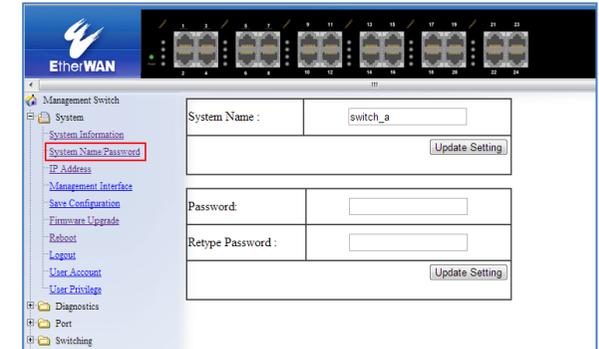
G. By default there is no password assigned to the switch. To add a password:

- 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:

1. Click on the + next to system
2. Click on IP Address
3. Enter the IP Address and Subnet Mask
4. Click on the Apply & Save button