EX75000 Managed Switch Installation Guide

1 Unpacking

Unpack the items. Your package should include:

➢ One EX75000 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°C (-40 and 167°F).

➢ 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:

➢ 24 10/100Base-TX Power over Ethernet (PoE) ports

➢ 4 Gigabit ports

10/100Base-TX PoE Ports

The switch has 24 10/100Base-TX Power over Ethernet (PoE) ports that conform to IEEE802.3at and provide up to 30W per port, with a total power budget of 420W.

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

A. Insert one end of a category 5 or better 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

This switch has 4 10/100/1000Base-TX ports, 1000Base-SX/LX/BX ports, or 1000Base SFP 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.
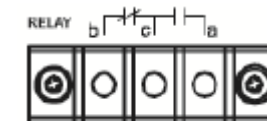
5 Apply DC Power

The switch has a 48-57VDC terminal block:

	+55VDC	-55VDC
−	0	-55
+	+55	0
⏚	Earth Ground	

The switch also has a relay with the following settings:

Setting	Relay Settings
Relay normal	b — c OPEN, c — a CLOSE
Relay alarm	b — c CLOSE, c — a OPEN

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Power-Up Sequence

When you apply DC power:

- All **Link/ACT** LEDs blink momentarily.
- The **Power** LED goes ON.
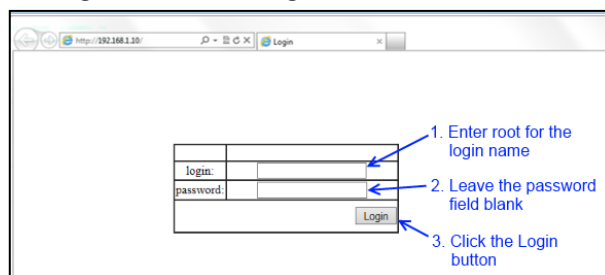- LEDs for every port connected to a device flash.

6 Front Panel LEDs

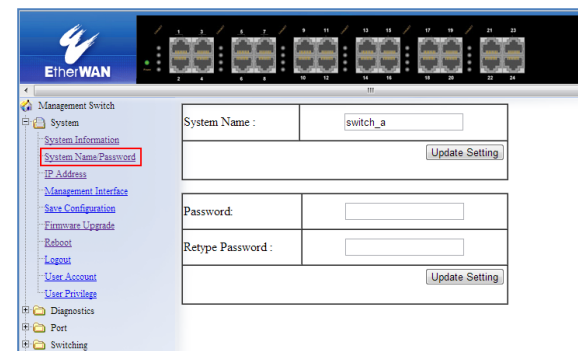| LED	Color	Status
Power	Green	ON = power on. OFF = power off.
Alarm	Red	ON = power failure occurred. OFF = normal operation (no power failure).
10/100Base-TX LEDs		
Link/Act	Green	ON = valid network connection is established. Flashing = port sending or receiving data.
10/100/1000Base-TX, SFP LEDs		
Link/Act	Green	ON = valid network connection is established. Flashing = port sending or receiving data.
1000Base-SX/LX/BX LEDs		
Link/Act	Orange	ON = valid network connection is established. Flashing = port 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:

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: