

1 Unpacking

Unpack the items. Your package should include:

- One EX72000 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

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

- 8, 12, 13, or 14 10/100Base-TX ports
- 0, 1, or 2 100Base-FX ports
- 0, 1, or 2 Gigabit ports

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

These ports come in 10/100Base-TX/FX/BX interfaces. They can connect to devices such as an IP surveillance camera or a Voice Over Internet Protocol (VoIP) phone.

- Insert one end of an appropriate 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.

Gigabit Ports

Some switch models have 1 or 2 10/100/1000Base-TX ports, 1000Base-SX/LX/BX ports, or 2-port 1000Base SFP-combo 10/100/1000Base-TX 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.

SFP-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 Power

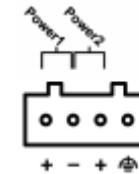
The switch has two pairs of power inputs:

- A 12-32VDC terminal block
- A 12VDC 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 12-32VDC terminal block. Only one power input is required to operate the switch. The terminal block has 4 terminal posts.



Pin		Description
Power 2	+	12-32VDC
	-	Power Ground
Power 1	+	12-32VDC
	-	Power Ground
		Earth Ground
Relay Output Rating		0.7A @ 12VDC, 0.35A @ 24VDC

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DC Jack



Pin	Description
Power 3	12VDC

Power-Up Sequence

When you apply power, all **Link/ACT** LEDs blink momentarily, the **Power 1/2/3** LEDs go ON, and LEDs for every port connected to a device flash.

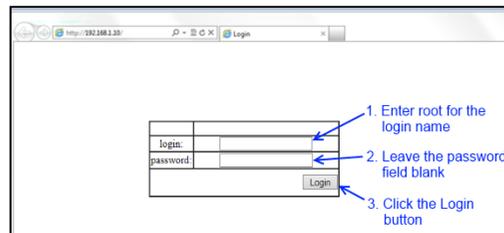
6 Front Panel LEDs

LED	Color	Status
Power 1 Power 2 Power 3	Green	ON = power on. OFF = power off.
10/100Base-TX, 100Base-FX/BX LEDs		
Link/Act	Green	ON = valid network connection is established. Flashing = port sending or receiving data.
10/100	Green	ON = valid port connection at 100 Mbps. OFF = valid port connection at 10 Mbps.
10/100/1000Base-TX 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.

LED	Color	Status
1000	Green	ON = valid port connection at 1000 Mbps. OFF = valid port connection at 10 or 100 Mbps.
SFP	Green	ON = valid SFP connection is established.

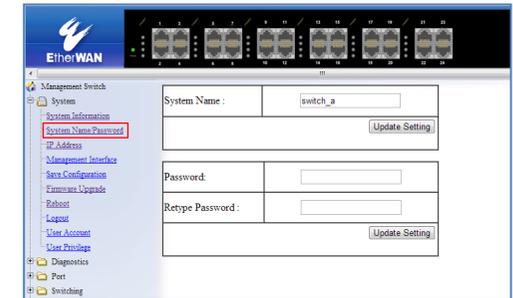
7 Managing the Switch

- Connect a PC to an available switch port using an appropriate cable.
- Confirm that the **Link/ACT** LED for the switch port to which the PC is connected is ON. If not, choose a different port.
- 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.
- In a Web browser address bar, type <http://192.168.1.10> and press Enter.
- Log in to the management interface:



- 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.



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

