

1 Unpacking

Unpack the items. Your package should include:

- One EX83000 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 photocopier machine.

4 Connect to the Data Ports

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

- 8, 12, or 16 10/100Base-TX ports
- 0, 1, 2, or 4 100Base-FX ports
- 0, 1, or 2 Gigabit ports

10/100Base and 1000Base-FX Ports

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

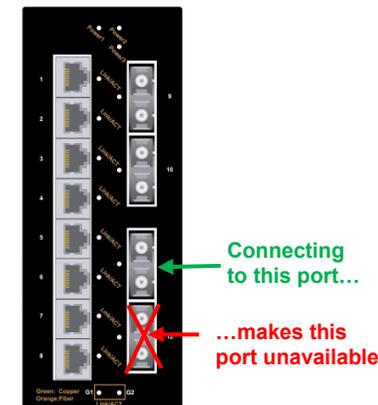
- Insert one end of an appropriate cable into a switch port.
- Connect the other end into the Ethernet port of the device.
- Repeat steps A and B for each additional device you want to connect to the switch.

Gigabit Ports

Some switch models have 10/100/1000Base-TX ports with no Gigabit fiber ports, combo 10/100/1000Base-TX ports with 1000Base-SX/LX/BX ports, or 1000Base-SFP with 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.

Combo ports operate in “either/or” fashion. This means that attaching to a 1 Gbps combo port

renders the equivalent partner combo port unavailable. See the following example.



5 Apply DC Power

The switch has two pairs of power inputs: a 12-48VDC terminal block and 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 12-48VDC terminal block. Only one power input is required to operate the switch. The terminal block has 8 terminal posts.

Pin		Description
Power 2	+	12-48VDC
	-	Power Ground
Power 1	+	12-48VDC
	-	Power Ground

Pin	Description
	Earth Ground
Relay Output Rating	1A @ 24VDC

DC Jack



Pin	Description
Power 3	12VDC

Power Failure Alarm

Two pins on the terminal block are provided 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, but Power 3 is ON; or if Power 3 is failed, but Power 1 and Power 2 are both ON.

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.

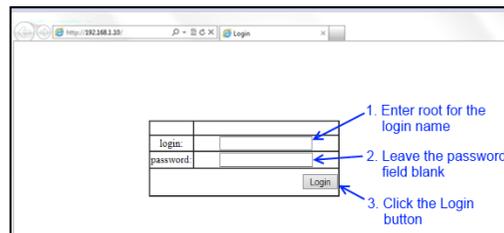
6 Front Panel LEDs

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.

LED	Color	Status
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.

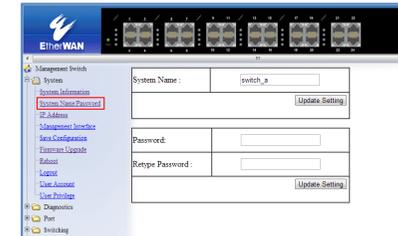
7 Managing the Switch

- 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:

