

### 1 Unpacking

Unpack the items. Your package should include:

- One ER58000 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).
- Be sure there is adequate airflow.

### 4 Connect to the Data Ports

Your switch has the following ports:

- 8 10/100Base-M12 D-Code 4-pin female ports
- 2 Gigabit-M12 A-Code 8-pin female/LC ports

#### 10/100Base-M12 Ports

These ports support Power over Ethernet (PoE). They conform to IEEE802.3at and provide up to 30W per port, with a total power budget of 120W. Use these ports to connect to devices such as an IP surveillance camera or a Voice Over Internet Protocol (VoIP) phone.

#### Gigabit-M12 Ports

These ports come as 10/100/1000Base-TX, 1000Base-SX, or 1000Base-LX interfaces.

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

### 5 Apply DC Power

The switch supports two sets of power supplies – power input 1 and power input 2. The M23 6-pin male connector on the front panel is used for the dual power inputs. Use a power cord with an M23 6-pin female connector to connect the power inputs to the switch.

Pin	Description	
Power 2	+	24-48VDC
	-	Power Ground
Power 1	+	24-48VDC
	-	Power Ground
		Earth Ground
Relay Output Rating		1A @ 250VAC



Pin	Description
1	PWR1 Live / DC + (24-48VDC)
2	PWR1 Neutral / DC -
3	Chassis Ground
4	PWR2 Neutral / DC -
5	PWR2 Live / DC + (24-48VDC)

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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 ports connected to a device flash.

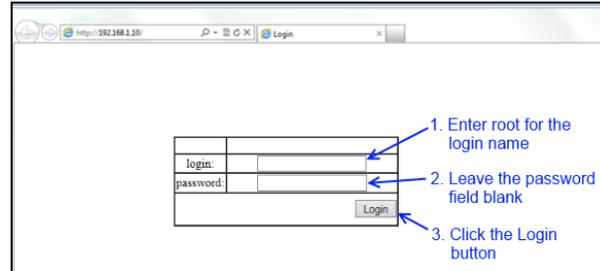
## 6 Front Panel LEDs

LED	Color	Status
<b>Power 1</b> <b>Power 2</b>	Green	ON = power on. OFF = power off.
<b>10/100Base-TX LEDs</b>		
<b>Link/Act</b>	Green	ON = valid network connection established. Flashing = port sending or receiving data.
<b>10/100/1000Base-TX LEDs</b>		
<b>Link/Act</b>	Green	ON = valid network connection established. Flashing = port sending or receiving data.
<b>1000Base-SX/LX LEDs</b>		
<b>Link/Act</b>	Orange	ON = valid network connection established. Flashing = port sending or receiving data.

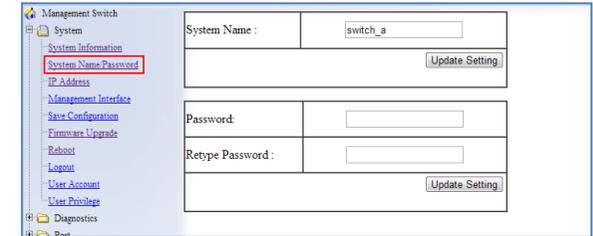
## 7 Managing the Switch

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.



- 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:

