

1 Unpacking

Unpack the items. Your package should include:

- One EX70900 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:

- 4, 6, or 8 10/100/1000Base-TX ports
- 0, 1, or 2 Gigabit ports

10/100/1000Base-TX Ports

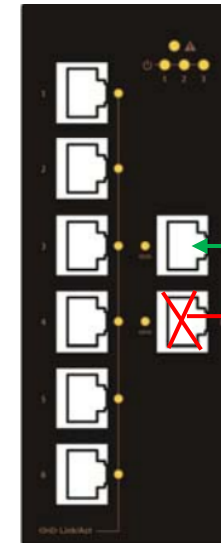
These ports can connect to devices such as an IP surveillance camera or a Voice Over Internet Protocol (VoIP) phone.

- 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 1000Base-SX/LX/BX 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 Power

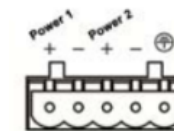
The switch has two pairs of power inputs:


- A 12-48VDC 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 12-48VDC terminal block. Only one power input is required to operate the switch. The terminal block has 5 terminal posts.

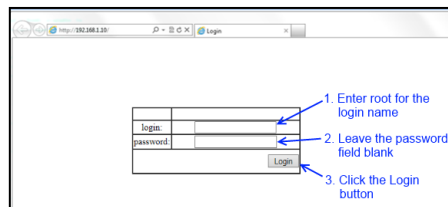


| Pin | | Description |
|---|---|--------------|
| Power 2 | + | 12-48VDC |
| | - | Power Ground |
| Power 1 | + | 12-48VDC |
| | - | Power Ground |
|  | | Earth Ground |
| Relay Output Rating | | 1A @ 250VDC |

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

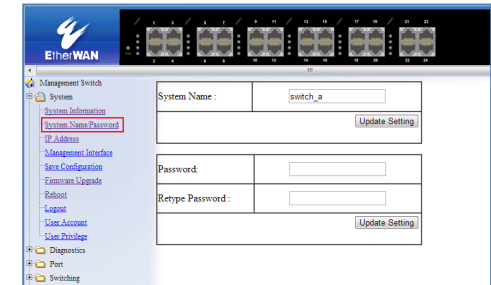
7 Managing the Switch

- 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:

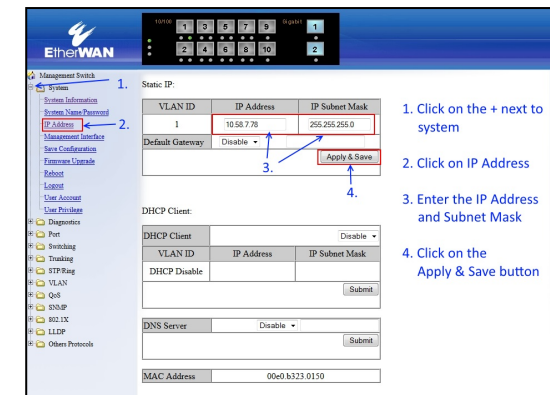


- Change the system name:
 - In the left pane, click + next to **System**, then click **System Name/Password**.
 - On the right side, click in the **System Name** text box.

- 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:



DC Jack



| Pin | Description |
|---------|-------------|
| Power 3 | 12VDC |

Power Failure Alarm

A 2-pin terminal block is 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** LED goes ON, and LEDs for every port connected to a device flash.

6 Front Panel LEDs

| LED | Color | Status |
|--------------|-------|------------------------------------|
| Power | Green | ON = power on. OFF = power off. |