

Installation Guide

1 Unpacking

Unpack the items. Your package should include:

- **One EX63000 Series hardened managed switch**
- If items are missing or damaged, notify your EtherWAN representative. Keep the carton and packing material. The full product manual can be downloaded from:

<https://www.etherwan.com/support/product/ex63000-series>

2 Equipment Needed

- **Appropriate cables for data ports**
- **Personal computer or laptop**

3 Select a Location

- **Installation:** DIN rail, wall mount, rack, or cabinet.
- Identify a power source within **6 ft. (1.8m)**.
- Choose a dry area with ambient temperature between **-10 and 60°C (14 and 140°F)**.
- **Be sure there is adequate airflow.**
- Keep the switch **at least 6 ft. (1.83m)** away from the nearest source of electromagnetic noise, such as a photocopier machine.
- Switch is designed for use in Pollution Degree 2 Environment.

4 Connect to the Data Ports

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

- **16 10/100Base-TX ports**
- **0 or 2 Gigabit ports**

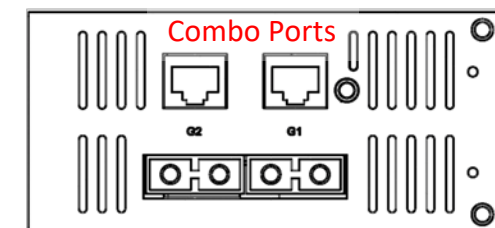
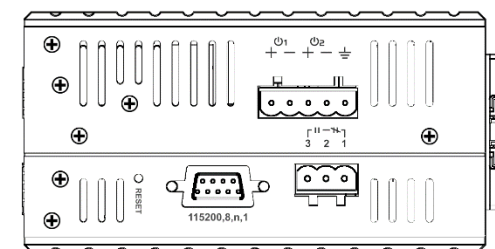
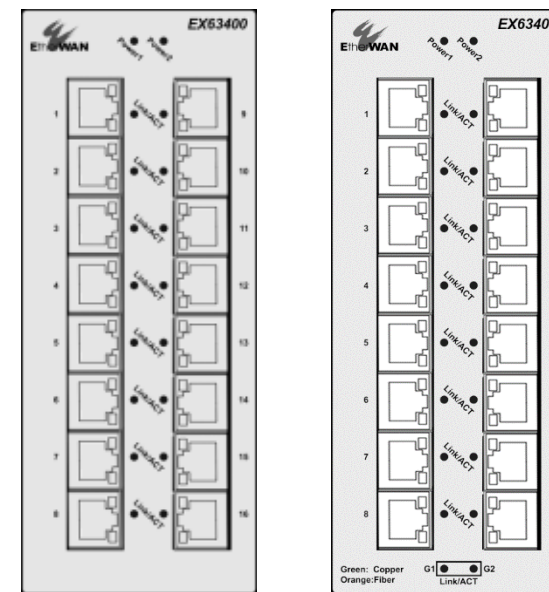
10/100Base-TX Ports

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

Gigabit Ports

Some switch models have 10/100/1000Base-TX ports with no Gigabit fiber ports, or combo 10/100/1000Base-TX with 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 on the bottom face 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 a 12-48VDC terminal block. 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		0.6A @ 30VDC

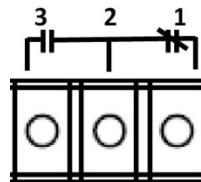
Power-Up Sequence



When you apply power, all **Link/ACT** LEDs will light up, and stay lit as the device boots up. When the boot process is finished, only LEDs next to connected ports will stay lit.

The **Power 1/2** LEDs will light up to show the connected power inputs.

Relay Output

The switch is equipped with a 3-point relay output. Current is 30VDC / 0.6A



Relay Status		
	Normally closed 	Normally Open 
No Power	Closed	Open
Normal	Open	Closed
Abnormal	Closed	Open

6 Front Panel LEDs

LED	Color	Status
Power 1 Power 2	Green	ON = power on. OFF = power off.
10/100Base-TX LEDs		

LED	Color	Status
Link/Act	Green	ON = valid network connection is established. Flashing = port sending or receiving data.
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

- 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. By default there is no password assigned to the switch. To add a password:
 - 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.