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:

www.etherwan.com

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 140ºF).
- 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 photocopy 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.

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.


Combo Ports
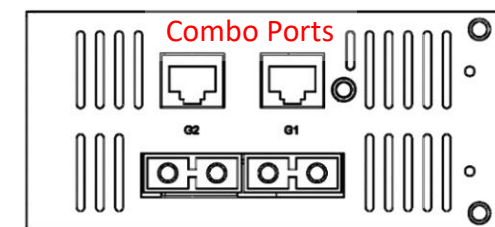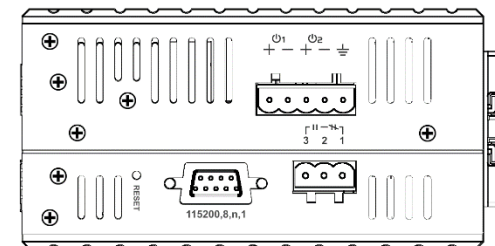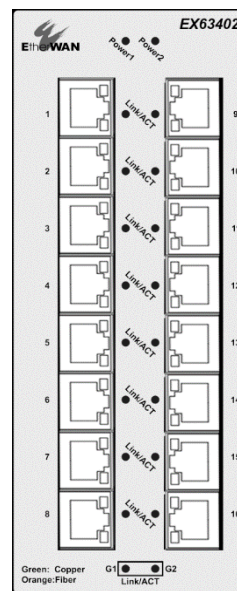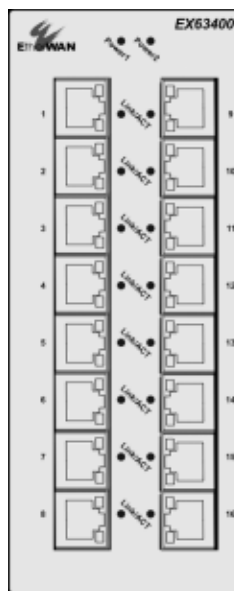
5 Apply Power

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.

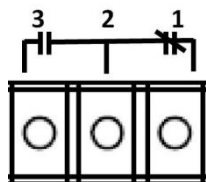| Pin		Description
Power 2	+	12-48VDC
	−	Power Ground
Power 1	+	12-48VDC
	−	Power Ground
⏚		Earth Ground
Relay Output Rating		0.6A @ 30VDC

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 30VCD / 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		
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

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. Default username is **root**, no password.

Manufacturer information:

EtherWAN Systems, Inc.

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The full product manual can be downloaded from:

www.etherwan.com