EX73000 Series Hardened Managed Switch

Installation Guide

1 Unpacking

Unpack the items. Your package should include:

- **One EX73000 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/ex73000-series

2 Equipment Needed

- **Category 5 or better cable for RJ-45 ports**
- **Appropriate fiber cables for fiber ports**
- **Personal computer with a DB-9 straight cable**

3 Select a Location

- **Installation:** Mount on a flat table or shelf surface, or install on a DIN rail.
- Identify a power source within **6 ft. (1.8m).**
- Choose a dry area with ambient temperature between **-40 and 75ºC (-40 and 167ºF).**
- **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**

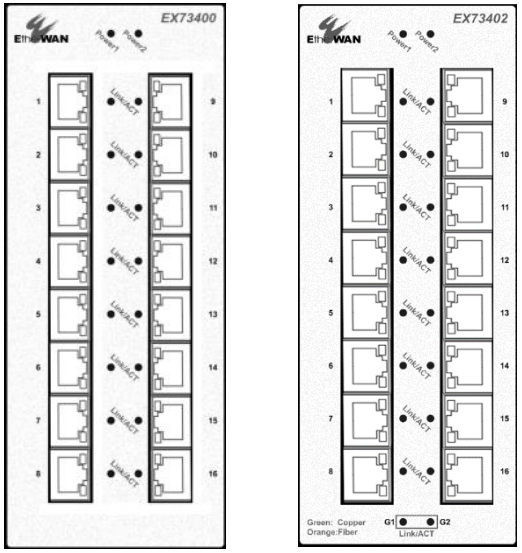
10/100Base-TX Ports

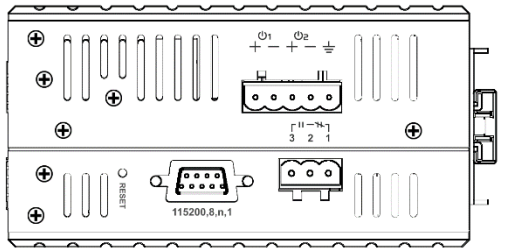
These ports come in 10/100Base-TX interfaces. They can connect to devices such as an IP surveillance camera or a Voice over Internet Protocol (VoIP) phone.

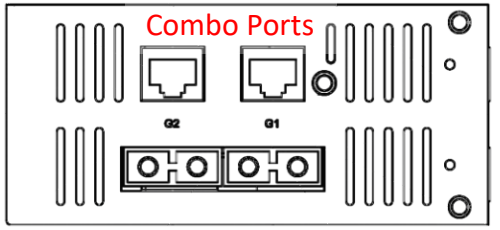
Gigabit Ports

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. 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

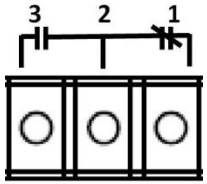
Power-Up Sequence

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 id 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

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.