

1 Unpacking

Open the carton and unpack the items. Your package should include:

- One EX33000 Switch
- DIN rail mounting kit

If any items are missing or damaged, notify your EtherWAN representative. If possible, save the carton and packing material in case you need to ship or store the switch in the future.

2 Equipment Needed

- Category 5 or better cable for RJ-45 ports
- Appropriate fiber cable for fiber ports

3 Select a Location

- Installation: DIN rail. Place the device on the DIN rail from above using the slot. Push the front of the device toward the mounting surface until it audibly snaps into place.
- Choose a dry area with ambient temperature between -10°C to +60°C (14°F to 140°F).
- Keep away from heat sources, sunlight, warm air exhausts, hot-air vents, and heaters.
- Be sure there is adequate airflow.
- This device has been evaluated for conformity for use in a business environment. If used in a home environment, there is a danger of interference.

4 Connect to the Data Ports

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

- 16 10/100Base-TX Ports

- 15 100Base-FX Port + 1 100BASE-FX port
- 14 100Base-FX Port + 2 100BASE-FX ports

5 Connect Power

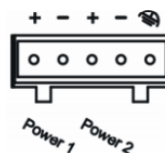
The switch has two pairs of power inputs:


- 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. 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 @ 24VDC

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:

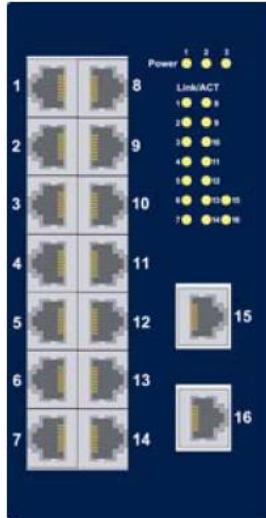
- Power 1 and Power 2 are both failed, but Power 3 is ON.
- Power 3 is failed, but Power 1 and Power 2 are both ON.

Power-Up Sequence

When the switch is powered up:

- All **Link/ACT** LEDs blink momentarily.
- The **Power** LED lights up and stays lit.
- LEDs for every port connected to a device will flash, as the switch conducts a brief Power On Self-Test (POST).

6 LED Indicators

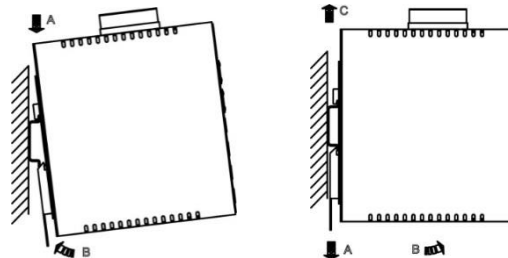


LED	State	Indication
10/100Base-TX, 100Base-FX		
LINK/ACT	Steady	Network connection established
	Flashing	Transmitting or receiving data

7 DIN Rail Installation

DIN-Rail Assembly Startup, and Dismantling

- Assembly:** Place the Switch on the DIN rail from above using the slot. Push the front of the Switch toward the mounting surface until it audibly snaps into place.
- Startup:** Connect the supply voltage to start up the Switch via the terminal block.
- Dismantling:** Pull out the lower edge and then remove the Switch from the DIN rail.



Manufacturer information:

EtherWAN Systems, Inc.

33F, No. 93, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 221 Taiwan

The full product manual can be downloaded from:

www.etherwan.com

