1   Unpacking

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

- One EX42300 Switch

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 SFP modules for SFP ports

3   Select a Location

- DIN rail installation
- 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.

4   Connect to the Data Ports

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

- 4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T
- 4-port 10/100BASE-TX (4 x PoE) +1-port 10/100/1000BASE-T +1-port 1000BASE-X SFP

5   Connect Power

Power is supplied via a 24-48VDC terminal block connected to a DC power cord. The terminal block has 7 terminal posts. Power consumption is 7W max. PoE power budget is 120W.
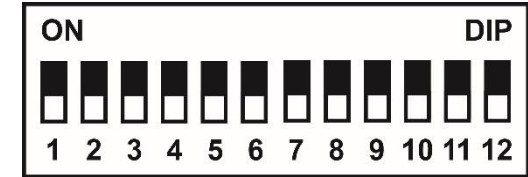

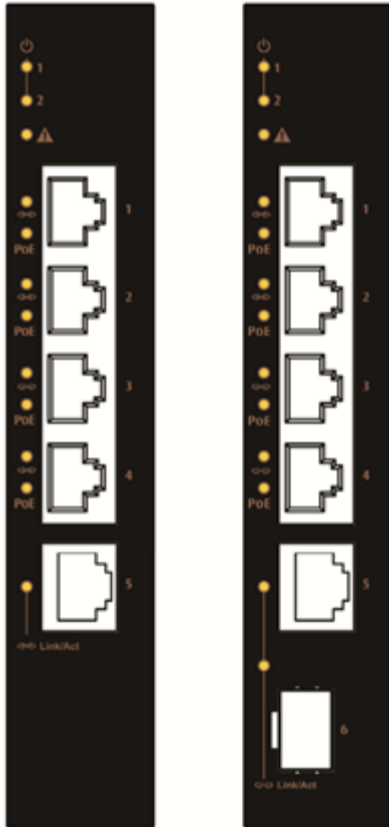| Pin	State	Description
Power 1	+	24-48VDC
	-	Power Ground
Power 2	+	24-48VDC
	-	Power Ground
⏚		Earth Ground
Relay Output Rating		0.5A @ 48VDC

Power-Up Sequence

When the switch is powered up:

- All **Link/ACT** LEDs blink momentarily.
- The **Power 1, 2** LEDs light up and stay lit.
- LEDs for every port connected to a device will flash, as the switch conducts a brief Power On Self-Test (POST).

6   DIP Switch Settings

DIP	On	Off
1~5	Port 1~5 Alarm Enable	Port 1~5 Alarm Disable
6	Port 6 Alarm Enable (EX42315 only)	Port 6 Alarm Disable
7	Broadcast Storm Enable	Broadcast Storm Disable
8	Jumbo Frames Enable	Jumbo Frames Disable

7   LED Indicators

LED	State	Description
Power 1, 2 (Green)	On	Switch is powered ON correctly
	Off	Switch is not receiving power
Alarm (Red)	On	Relay alarm on
	Off	Relay alarm off
10/100TX Ports		
Link/Act (Green)	On	Valid network connection established.
	Off	No link.
	Blinking	Transmitting or receiving data
PoE (Amber)	On	Powered Device is connected
	Off	Powered Device is disconnected
	Blinking	Device powered at 30 Watts
Gigabit Ports		
Link/ACT (Amber)	On	Valid network connection established.
	Off	No link.
	Blinking	Transmitting or receiving data.

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