1   Unpacking

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

- One EL2242 Series Hardened PoE Media Converter

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.
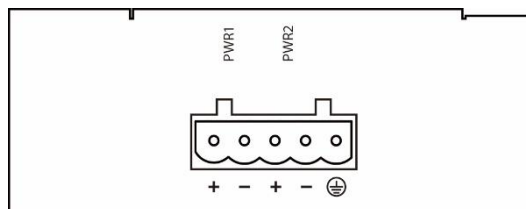
2   Select a Location

- Installations: DIN-Rail mount, wall (in an enclosure or industrial panel)
- Choose a dry area with ambient temperature between -40 and 75ºC (-40 and 167ºF).
- Be sure there is adequate airflow.

3   Apply Power

DC Terminal Block Power Inputs: Two power inputs must be connected in order to enable the power redundancy alarm. The Fault LED indicator will light up to if either Power 1 or Power 2 ceases to function. However, the media converter will continue to work normally even if the fault LED is lit, as long as the other power source is functioning.

Terminal Block

The switch provides two power inputs on a 52-57VDC terminal block. Only one power input is required to operate the switch.
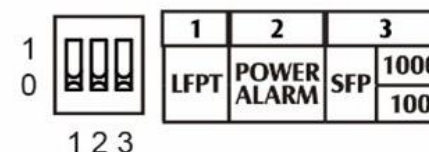

Power Input Assignment			
Power2	+	52-57VDC	Terminal Block
	−	Power Ground	
Power1	+	52-57VDC	
	−	Power Ground	
⏚		Earth Ground	

PoE

The device supports IEEE802.3at Power over Ethernet (PoE) Power Sourcing Equipment (PSE). Power consumption is 32.5 Watts (30W for PoE) Max.
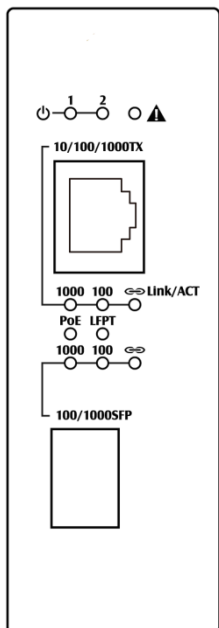
4   DIP Switches

There are three pins on the DIP switch for port settings. Refer to the table below.

No.	1	0
1	Enable LFPT	Disable LFPT
2	Enable power redundancy alarm	Disable power redundancy alarm
3	Enable 1000Base SFP	Enable 100Base SFP

Note: After any DIP switch configuration change, power down and then restart the unit.

LFPT: Link-Fault-Pass-Through allows network operators to stay aware of network connection status. If a link fails, the function will disable the link on the other side, therefore notifying the connected device of the link failure.
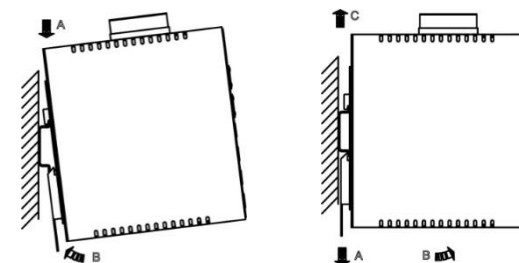
5 LED Indicators

LEDs	State	Indication
⏻ Power 1, 2	Steady	Power on
	Off	Power off
⚠ Fault	Steady	Power input failure
	Off	Power normal
LFPT (Link Fault Pass Through)	Steady	LFPT enabled
	Off	LFPT disabled
PoE	Steady	Powered Device (PD) is connected
	Off	Powered Device (PD) is disconnected
⇔ Link/ACT (10/100/1000TX)	Steady	Network connection is established on TX port
	Flashing	Transmitting or receiving data
	Off	No network connection established
Speed (10/100/1000TX)	Amber	Connected at speed of 1000Mbps
	Green	Connected at speed of 100Mbps
	Off	Connected at speed of 10Mbps
⇔ Link/ACT (SFP)	Steady	Network connection is established on Fiber port
	Flashing	Transmitting or receiving data
	Off	No network connection established
Speed (100/1000SFP)	Amber	SFP slot operating at 1000Base
	Green	SFP slot operating at 100Base

6 Other Information

DIN-Rail Assembly Startup, and Dismantling

- **Assembly**: Place the media converter on the DIN rail from above using the slot. Push the front of the media converter toward the mounting surface until it audibly snaps into place.

- **Dismantling**: Pull out the lower edge and then remove the device 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