

## Installation Guide

### 1 Unpacking

Unpack the items. Your package should include:

- One EL2242-BT PoE Media Converter
- Power input terminal block
- Wall and DIN-Rail mounting hardware brackets

If items are missing or damaged, notify your EtherWAN representative. Keep the carton and packing material.

More information available at:

<https://www.etherwan.com/us>

For warranty information, visit:

<https://www.etherwan.com/us/support/warranty-policy>



### 2 Equipment Needed

- Category 5e or better cable for RJ-45 port
- SFP Module
- Single Mode/Multimode Fiber Cable
- Power supply with supplied voltage within specified range of 52 to 56VDC

### 3 Select a Location

- DIN-rail installations: Attach the bracket on the unit using the included screws and then mount on a DIN-rail.

- Wall installations: Attach the brackets on the unit using the included screws and then mount on a wall.
- 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.
- Make sure there is adequate airflow.

### 4 Connect to the Ports

The EL2242-BT has the following ports:

- 1 10/100/1000 Mbps copper port
- 1 dedicated 100/1000 SFP slot

#### 10/100/1000BASE-T Port

Port can be connected to a switch, a router or a PoE device (PD).

#### SFP Slot

100/1000BASE SFP slot.

### 5 Connect Power

#### Terminal Block

Connect the unit to a suitable power supply using appropriate wire, 18-24AWG, rated for 105°C or higher.

Redundant power is supported. However, only one power input is required to operate the unit.

1. Connect power wires to the appropriate V1+/- or V2+/- pins on the terminal block.
2. Connect the grounding wire to the ground screw.
3. Plug the terminal block into the socket.

### 6 Front Panel LEDs

#### LED Panel Layout

LED	Color	Status
<b>Power 1 &amp; 2</b>	Green	ON = power detected OFF = power not detected
<b>PoE</b>	Amber	ON = PD is detected Off = No PD detected
<b>RJ-45 Link/Act</b>	Green	ON – TX port is detected FLASHING – TX data is transmitting
<b>SFP Link/Act</b>	Green	ON – FX port is detected FLASHING – FX data is transmitting/receiving

**7 Dip Switch Settings**

**DIP Switch Settings**

The DIP switches on the EL2242-BT can be used to enable/disable Link Fault Pass Through (LFPT) and the speed of the SFP port.

**Warning: Make sure power is disconnected before adjusting the DIP switch**

OFF	1000	Dip 1	OFF	LFPT disabled (Default)
<input type="checkbox"/>	<input type="checkbox"/>		ON	LFPT enabled
1	2	Dip 2	1000	SFP Speed 1000M (Default)
ON!			100	SFP Speed 100M
LFPT	100			