SPL90BT Hardened PoE Splitter

Installation Guide

1 Unpacking

Unpack the items. Your package should include:

- One SPL90BT PoE Splitter
- Power output 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 ports
- Power cable to connect to end device

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.

- Choose a dry area with ambient temperature between -40 and 75ºC (-40 and 167ºF).
- 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 SPL90BT has the following ports:

- 2 10/100/1000 Mbps copper ports

10/100/1000BASE-T Ports

Port labeled "PoE IN" can be connected to a PoE power source (PSE) such as a PoE switch or a PoE injector. Port labeled "Data" can be connected to the RJ-45 port of the end device.
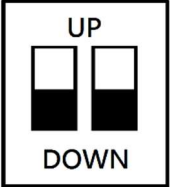
5 Supply Power to the Device

Redundant power output is supported. However, only one power connection is required to provide power to the end device.

1. Connect power wires to the appropriate V1+/- or V2+/- pins on the terminal block.
2. Connect power at the end device.
3. Plug the terminal block into the socket.
4. Connect the unit to a PSE via the "PoE IN" port.

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6 Power Output Voltage

DIP Switch Settings

The SPL90BT is capable of delivering multiple output voltage levels at 12/16/24/48VDC, which can be adjusted by DIP switches, as shown below.

	DIP1	DIP2	Output voltage / Output current
UP DOWN 1 2	UP	UP	48VDC / 1.5A (default)
	DOWN	UP	24VDC / 1.5A
	UP	DOWN	16VDC / 1.5A
	DOWN	DOWN	12VDC / 1.5A

7 Front Panel LEDs

LED Panel Layout

LED	Color	Status
Power	Green	ON = power detected OFF = power not detected
BT	Green	ON = 802.3bt detected Off = 802.3bt not detected