

Quick Install Guide

Gigabit Power-over-Ethernet (PoE/PoE+) Injector

XPE-2500



Includes:

- ▶ XPE-2500 Gigabit Power-over-Ethernet (PoE/PoE+) Injector
- ▶ Power Cord
- ▶ Quick Install Guide

GIGABIT POWER-OVER-ETHERNET (POE/POE+) INJECTOR

MODEL NUMBER: XPE-2500

Quick Install Guide

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DOCUMENT CONVENTIONS

The following alerts are used to indicate notable situations:

✓ NOTE: *Tips, hints, or special requirements that you should take note of.*

⚠ CAUTION: *Care is required. Disregarding a caution can result in data loss or equipment malfunction.*

✗ WARNING! *Indicates a condition or procedure that could result in personal injury or equipment damage.*

CONTACT LUXUL

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1 FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However; there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio/TV technician for help.

2 CE Declaration of Conformity:



Hereby, Luxul, 14203 Minuteman Drive, Suite 201, Draper, Utah, 84020, declares that this Luxul XPE-2500 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For a copy of this report send a self addressed stamped envelope to: Luxul CE, 14203 Minuteman Drive, Suite 201, Draper, Utah, 84020.

3 Product Description

The XPE-2500 Gigabit Power-over-Ethernet (PoE/PoE+) Injector is fully compliant with IEEE 802.3af/at standards. It delivers up to 30W of output power to the PoE port. When using this device, both data and electrical power can be simultaneously delivered to your 802.3af/at PoE enabled device through a single Ethernet cable. This eliminates the need of a separate power cable, makes installation easier and reduces cost.

PRODUCT FEATURES

- ▶ Complies with IEEE 802.3af/at standards
- ▶ Provide 10/100/1000Mbps connection rates
- ▶ Simple “plug and play” installation
- ▶ Delivers both data and power over a single Ethernet cable
- ▶ Green design, low power consumption
- ▶ Power Overload Protection
- ▶ 100-240 AC wide-range voltage input, 51V DC output voltage
- ▶ Compact size for ease of installation
- ▶ Delivers data up to 330' (100 meters) away

Information on this document supersedes all previous versions. Products and documents subject to change without notice. Products may be discontinued without notice.

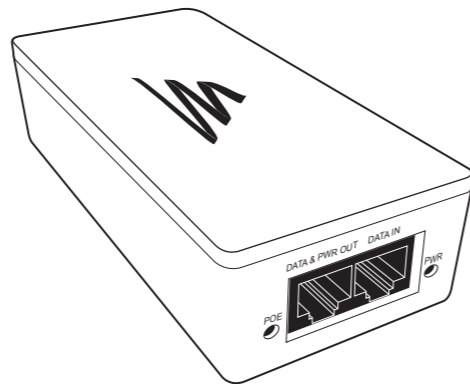
HARDWARE DESCRIPTION

Port/LED	Function
PoE LED	On: Indicates the PoE Injector is delivering power to the connected 802.3af/at PoE enabled device Off: Indicates no power is being delivered to the connected device Flashing: An error indicating a power fault
PWR LED	On: Power is connected to the PoE Injector Off: Injector is not receiving power
DATA & PWR OUT	Delivers power and data (via Ethernet cable) to the connected PoE enabled device
DATA IN	Connects to your data source over Ethernet cable
Power	100-240V input voltage

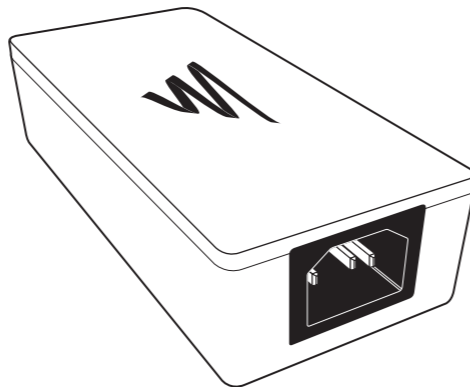
✔ **NOTE:** If the PWR LED does not illuminate it, indicates that power may not be connected properly or the cable is loose or unplugged.

✔ **NOTE:** If the injector is connected to a device and the PoE LED does not illuminate, this is an indication the connect device is not PoE enabled or not a 802.3af/at compatible device. Data will still be transferred.

LED and RJ45 connections



Power connection



PREPARING FOR INSTALLATION

- ▶ To avoid potential malfunction, do not expose the XPE-2500 to excessive heat, humidity, vibration or dust.
- ▶ Make sure there is adequate space around the XPE-2500 for adequate ventilation and proper heat dissipation. At least 12" (30cm) is recommend.
- ▶ Keep the XPE-2500 at least 12" (30cm) from any heat source
- ▶ Avoid placement in direct sunlight.
- ▶ Do not place heavy articles on the XPE-2500.
- ▶ Verify the ground connection of the power outlet is functioning properly
- ▶ Check the power cord to confirm a secure connection.
- ▶ Check your PoE device documentation to be sure it is 802.3af/at compatible.

XPE-2500 INSTALLATION

1. Connect the included power cable to the XPE-2500 power port
2. Connect the power cable to a properly grounded power outlet
3. Connect your Ethernet cable (Cat 5, or better) from your data source to the DATA IN port of the XPE-2500
4. Connect your Ethernet cable (Cat 5, or better) from the DATA & PWR OUT port of the XPE-2500 to your PoE Enabled device.

✔ **NOTE:** The power and data Ethernet cable should not exceed 330' (100 meters).

HARDWARE SPECIFICATIONS

General Specifications	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, and IEEE802.3af/at standards
Output Voltage	51V \pm 0.6A
Output Power	PoE: 15.4W PoE+: 30W
Input Voltage	AC100-240V 0.8A 50 60Hz
Ports	2-10/100/1000Mbps RJ45 1-Power Input
Cable	Cat5e or better
LEDs	PoE: Indicates power is being passed to the Connected 802.3af/at PoE device PWR: Power is connected to the PoE Injector
Dimensions	W x D x H: 5.25" (133.35mm) x 2.375" (60.32mm) x 1.3125 (33.34mm)
Weight	Item: .75 lbs (.34Kg) with power cord Packaging: 1 lbs (.46Kg)
Environmental Specifications	
Operating Temp.	32°F to 104°F (0°C to 40°C)
Storage Temp.	-40°F to 158°F (-40°C to 70°C)
Operating Humidity	0% to 90% (Relative Humidity Non-condensing)
Storage Humidity	10% to 90% (Relative Humidity Non-condensing)