Quick Install Guide

GIGABIT POWER-OVER-ETHERNET (POE/POE+) INJECTOR
MODEL NUMBER: XPE-2500

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

CONTACT LUXUL
Phone: (801) 822-5450
Email Sales: sales@luxul.com
Email Support: support@luxul.com

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, 5V DC output voltage
- Compact size for ease of installation
- Delivers data up to 310' (100 meters) away

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Document conventions

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- 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
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Gigabit Power-over-Ethernet (PoE/PoE+) Injector XPE-2500
**INSTALLATION AND SETUP**

1. **Setup**
   - 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 recommended.
   - 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 that the power cord is fully plugged in.
   - Check your PoE device documentation to be sure it is 802.3af/at compatible.

2. **Physical 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:** 5V: 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 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
- **Dimensions:** W x D x H: 5.25” (133.35mm) x 2.375” (60.32mm) x 1.3125” (33.34mm)
- **Weight:** Item: 7.5 lbs (3.4Kg) with power cord. Packaging: 1 lbs (0.46Kg)

**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)

**LED Indicators**

<table>
<thead>
<tr>
<th>Port/LED</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>PoE LED</td>
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**LED and RJ45 connections**

**Power connection**
INSTALLATION AND SETUP

Setup

- 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 recommended.
- 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.

2 Physical 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.

HARDWARE SPECIFICATIONS

General Specifications

<table>
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<th>Standard</th>
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</tr>
<tr>
<td>Input Voltage</td>
<td>ACD1-240V 8A 50 60Hz</td>
</tr>
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<td>Ports</td>
<td>2-10/100/1000Mbps RJ45</td>
</tr>
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| | 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 connected device in not PoE enabled or not a 802.3af/at compatible device. Data will still be transferred.

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) |
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LED and RJ45 connections

Power connection

NOTE: The power and data Ethernet cable should not exceed 330’ (100 meters).
INSTALLATION AND SETUP

1. Setup
   - 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 recommended.
   - 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.

2. Physical 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
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- Output Voltage: 5V: 0.6A
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- Input Voltage: AC100-240V 50/60Hz
- Ports: 2-10/100/1000Mbps RJ45
- Cable: 1-Power Input
- Cable: Cat5e or better
- LEDs: PoE: Indicates power is being passed to the Connected 802.3af/at PoE device
- 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
   - Package: 1 lbs (.46Kg)

Environmental Specifications
- Operating Temp.: 32°F to 104°F (0°C to 40°C)
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IEEE802.3af/802.3at Table

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LED and RJ45 connections

- **DATA & PWRR 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 connection

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**Power**

- 100-240V input voltage

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