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> YuLinca 2.5 Gigabit 60W PoE+ Injector User Manual

YuLinca 2.5G 60W

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Model: 2.5G 60W | Brand: YuLinca

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your YuLinca 2.5 Gigabit 60W PoE+ Injector. This device is designed to supply both data and power to compatible Power over Ethernet (PoE) devices over a single Ethernet cable, simplifying network deployments.

2. KEY FEATURES

- **2.5 Gigabit Ports:** Equipped with one 2.5G Ethernet Input Port and one 2.5G Ethernet Output port with PoE power, compatible with 10/100/1000/2500Mbps rates.
- **802.3af/at/bt PoE Compliance:** Supports IEEE802.3af (15.4W), IEEE802.3at (30W), and IEEE802.3bt (60W) standards, providing up to 60W maximum power output. Features automatic detection to prevent damage to non-PoE devices.
- **Plug and Play:** Requires no configuration for immediate operation.
- **Extended Distance:** Transmits data and power up to 100 meters (328 feet) over a single network cable.
- **Wide Compatibility:** Suitable for various PoE-powered devices such as wireless access points, Wi-Fi routers, and network cameras.
- **Wall Mountable Design:** Offers flexible installation options.
- **Fanless Operation:** Ensures silent performance.
- **LED Indicator:** Provides visual status of power and PoE activity.
- **Robust Environmental Resistance:** Operates reliably in temperatures from -10°C to +40°C and includes 6KV port surge protection.

IEEE802.3af/at/bt 60W 2.5G PoE Injector

Perfect solution for a variety of environments



Full 2.5G Ports



IEEE802.3af/at/bt Support (PoE++)



Plug and Play



Wall Mountable



LED Indicator



Compact Size



Image: Overview of the YuLinca 2.5G 60W PoE Injector highlighting its key features including 2.5G ports, 802.3af/at/bt support, plug and play functionality, wall mountability, LED indicator, and compact size.

3. PACKAGE CONTENTS

The YuLinca 2.5 Gigabit 60W PoE+ Injector package typically includes:

- YuLinca 2.5 Gigabit 60W PoE+ Injector
- Power Cord
- User Manual

4. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure proper operation and prevent damage to the device or injury:

- Do not open the device casing. Refer all servicing to qualified personnel.
- Ensure the power supply voltage matches the requirements specified on the device label.
- Avoid exposing the device to water, moisture, or extreme temperatures.

- Install the device in a well-ventilated area to prevent overheating.
- Use only the provided power cord.
- This device is designed for indoor use only.

5. SETUP INSTRUCTIONS

The YuLinca PoE+ Injector is designed for simple plug-and-play installation. Follow these steps to set up your device:

1. **Connect Power:** Plug the provided power cord into the injector's power input port and then into a standard electrical outlet. The PWR indicator LED should illuminate.
2. **Connect to Network Device:** Connect an Ethernet cable from your non-PoE network device (e.g., router, switch) to the **LAN Port** on the PoE+ Injector.
3. **Connect to PoE Device:** Connect another Ethernet cable from the **PoE Port** on the injector to your PoE-powered device (e.g., IP camera, wireless access point, VoIP phone).

The injector will automatically detect the PoE device and supply the necessary power according to IEEE 802.3af/at/bt standards. No additional configuration is required.

Plug & Play and Easy to Use

2.5G Port/Led Indicator / Plastic shell

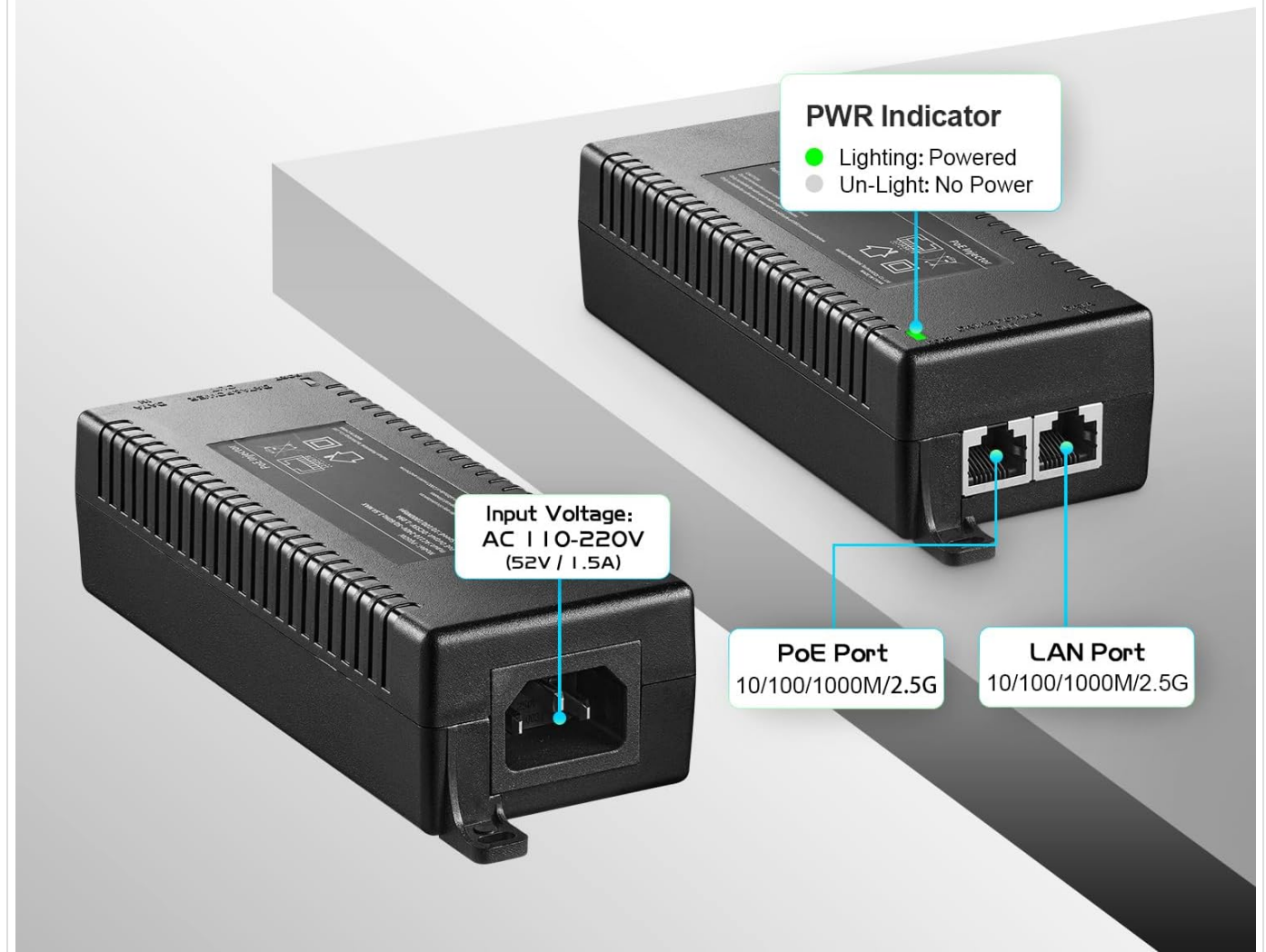


Image: Close-up view of the YuLinca 2.5G 60W PoE Injector showing the LAN Port, PoE Port, power input, and the PWR indicator LED. The PWR indicator is green when powered.

Product Connection Diagram

Connect PoE Devices



Connect Non-PoE Devices



Image: Two connection diagrams illustrating how to connect the PoE Injector. The top diagram shows connecting to a PoE device (e.g., PoE Camera) directly. The bottom diagram shows connecting to a non-PoE device (e.g., Non-PoE Camera) using an additional PoE Splitter.

6. OPERATING THE DEVICE

Once connected, the YuLinca PoE+ Injector operates automatically. The LED indicator provides status information:

- **PWR Indicator (Green):**
 - **Lighting:** The injector is powered on and functioning correctly.
 - **Un-Light:** No power is supplied to the injector. Check the power connection.

The injector automatically detects the power requirements of the connected PoE device and delivers the appropriate power (15.4W, 30W, or 60W) without manual intervention.

7. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	2.5G 60W
Brand	YuLinca
Hardware Interface	Ethernet
Data Link Protocol	Ethernet
Data Transfer Rate	2500 Megabits Per Second (2.5G)
PoE Standards	IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Max PoE Power Output	60W
Compatible Devices	Network Camera, Wifi Router, Wireless Access Point
Transmission Distance	Up to 100 meters (328 feet)
Operating Temperature	-10°C to +40°C
Port Surge Protection	6KV
Item Weight	15.8 ounces (approx. 448 grams)
Package Dimensions	8.7 x 5.51 x 2.05 inches

8. TROUBLESHOOTING

If you encounter issues with your PoE+ Injector, refer to the following common problems and solutions:

- **No Power to PoE Device / PWR Indicator Off:**

- Ensure the power cord is securely connected to both the injector and a working electrical outlet.
- Verify the electrical outlet is functional.
- Check if the PoE device is compatible with IEEE 802.3af/at/bt standards and its power requirements do not exceed 60W.

- **No Data Connection:**

- Ensure all Ethernet cables are securely connected to the correct ports (LAN to non-PoE network, PoE to PoE device).
- Test Ethernet cables for damage or faults.
- Verify the non-PoE network device (router/switch) is functioning correctly.

- **Device Malfunctions After Brief Power Outage:**

- Some devices may require a longer power cycle to reset after brief power interruptions. Disconnect the power cord from the injector for 10-15 seconds, then reconnect it.
- For critical applications in areas with unstable power, consider using an Uninterruptible Power Supply (UPS) for the injector.

- **PoE Device Not Recognized:**

- Confirm the connected device is indeed a PoE-powered device and not a passive 24V device, as passive devices are not supported.

- Ensure the PoE device is fully functional and not damaged.

9. MAINTENANCE

To ensure the longevity and optimal performance of your YuLinca PoE+ Injector, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid or aerosol cleaners.
- **Environment:** Keep the device in a cool, dry place, away from direct sunlight, heat sources, and excessive dust.
- **Ventilation:** Ensure that the ventilation openings are not blocked to allow for proper airflow, especially given its fanless design.
- **Cable Management:** Organize cables neatly to prevent strain on ports and accidental disconnections.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official YuLinca website. You may also contact YuLinca customer service directly for assistance with product inquiries, troubleshooting, or warranty claims.

Manufacturer: YuLinca

Website: [YuLinca Amazon Store](#)