Ubiquiti Networks US-8-60W

Ubiquiti Networks UniFi Switch US-8-60W User Manual

8-Port Gigabit PoE Compliant Managed Switch

1. Introduction

This manual provides instructions for the installation, configuration, and operation of the Ubiquiti Networks UniFi Switch US-8-60W. The US-8-60W is a compact, fully managed 802.3af PoE Gigabit switch designed to expand and power your network within the Ubiquiti UniFi Enterprise System. It offers 8 Gigabit Ethernet ports, with 4 auto-sensing PoE ports, providing robust performance and intelligent switching capabilities for various network environments.

2. Safety Information

Please read, follow, and keep these instructions. Heed all warnings. Only use attachments/accessories specified by the manufacturer.

- Do not use this product in locations that can be submerged by water.
- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- Ensure proper ventilation. Do not block any ventilation openings. Maintain a minimum distance of 20 mm around the device for adequate airflow.
- Use only the provided 60W AC/DC Power Adapter.
- This device is intended for indoor use only.

3. Package Contents

- UniFi Switch US-8-60W
- 60W AC/DC Power Adapter
- Quick Start Guide (not included in this manual)

4. Hardware Overview

4.1. Front Panel

The front panel of the UniFi Switch US-8-60W features eight Gigabit Ethernet ports and an LED indicator for system status.



Figure 1: Front view of the UniFi Switch US-8-60W. Ports 1-4 support PoE Out, indicated by the 'PoE OUT' label above them. A blue LED on the left indicates system status.

- **Ethernet Ports (1-8):** Eight 10/100/1000 Mbps Ethernet ports. Ports 1-4 are auto-sensing IEEE 802.3af PoE ports, capable of delivering up to 15W per port.
- **System LED:** Indicates the device's status. A solid blue light typically means the device is ready or adopted by the UniFi Controller.

4.2. Rear Panel

The rear panel includes the power input and a reset button.



Figure 2: Rear view of the UniFi Switch US-8-60W. The 48VDC power input is on the right, next to a small reset button. Ventilation grilles are visible across the back.

- **48VDC Power Input:** Connect the included 60W AC/DC Power Adapter here.
- **Reset Button:** Used to reset the device to factory defaults. To reset, press and hold the button for approximately 10 seconds while the device is powered on.

5. Installation

The UniFi Switch US-8-60W is designed for desktop placement. Due to its thermal characteristics, wall mounting is not recommended.

1. **Placement:** Place the switch on a flat, stable surface in a location with adequate ventilation. Ensure there are no obstructions around the ventilation grilles on the sides and rear of the device.
2. **Connect Power:** Connect the included 60W AC/DC Power Adapter to the 48VDC port on the rear of the switch, then plug the power adapter into a power outlet.
3. **Connect Network Devices:** Connect your network devices (e.g., computers, UniFi Access Points, IP cameras) to the Gigabit Ethernet ports (1-8) on the front panel using Ethernet cables. For devices requiring Power over Ethernet (PoE), connect them to ports 1-4.

6. Setup

The UniFi Switch US-8-60W is managed using the UniFi Network Application. Ensure you have the UniFi Network Application installed and running on a computer or a UniFi Cloud Key.

1. **Launch UniFi Network Application:** Open your UniFi Network Application.
2. **Device Discovery:** The UniFi Network Application will automatically discover the UniFi Switch. Navigate to the 'Devices' section within the application.
3. **Adopt Device:** Locate the US-8-60W in the list of discovered devices. Click 'Adopt' to integrate the switch into your UniFi network. The System LED on the switch will turn solid blue once successfully adopted.
4. **Configuration:** Once adopted, you can configure port settings, PoE output, VLANs, and monitor network traffic through the UniFi Network Application interface.

7. Operating Instructions

The UniFi Switch US-8-60W operates as a managed network switch, providing data connectivity and Power over Ethernet (PoE) to compatible devices.

- **Data Transfer:** All 8 Gigabit Ethernet ports support high-speed data transfer up to 1000 Mbps.
- **PoE Functionality:** Ports 1-4 automatically detect and supply power to 802.3af compliant PoE devices. The switch provides up to 15W per PoE port. Ensure your connected PoE devices are compatible with 802.3af standard.
- **Management:** All advanced features and monitoring are accessible through the UniFi Network Application. This includes port statistics, PoE status, network topology, and firmware updates.

8. Maintenance

Regular maintenance ensures optimal performance and longevity of your UniFi Switch.

- **Ventilation:** Periodically check that the ventilation grilles are clear of dust and obstructions to prevent overheating. The device can run warm, so good airflow is crucial.
- **Firmware Updates:** Keep the switch's firmware updated through the UniFi Network Application to benefit from the latest features, security enhancements, and bug fixes.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid cleaners or aerosols.

9. Troubleshooting

If you encounter issues with your UniFi Switch US-8-60W, refer to the following common troubleshooting steps:

- **No Power:**
  - Verify the power adapter is securely connected to both the switch and a working power outlet.
  - Ensure the power outlet is supplying power.
- **Device Not Adopting:**
  - Ensure the UniFi Network Application is running and the switch is on the same Layer 2 network segment as the controller.
  - Try restarting the switch.
  - If the issue persists, perform a factory reset by pressing and holding the reset button for 10 seconds.

- **PoE Device Not Powering On:**
  - Confirm the device is connected to one of the PoE-enabled ports (1-4).
  - Verify the connected device is 802.3af compliant.
  - Check the PoE settings for the specific port in the UniFi Network Application.
  - Ensure the total power budget of 60W is not exceeded by all connected PoE devices.
- **Network Connectivity Issues:**
  - Check Ethernet cable connections for all devices.
  - Verify the status LEDs on the ports for link activity.
  - Consult the UniFi Network Application for port status and error statistics.

10. Specifications

Detailed technical specifications for the UniFi Switch US-8-60W.

Feature	Specification
Model Number	US-8-60W
Dimensions	5.31 x 8.86 x 3.35 inches
Weight	15.2 ounces
Number of Ports	8 Gigabit Ethernet Ports
PoE Ports	4 Auto-Sensing IEEE 802.3af PoE Ports (Ports 1-4)
Max. PoE Wattage per Port	15W
Data Transfer Rate	16 Gbps (Non-Blocking Line Rate)
Voltage	48 Volts
Included Components	60W AC/DC Power Adapter
Case Material	Plastic
Upper Temperature Rating	40 Degrees Celsius
Interface Type	PoE, RJ45
Management	UniFi Network Application

11. Warranty and Support

Ubiquiti Networks products come with a limited warranty. For detailed warranty information, please refer to the official Ubiquiti Networks website. Technical support and additional resources, including community forums and knowledge base articles, are also available on the Ubiquiti Networks support portal.
For the latest documentation and software, visit: ui.com/download/

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Question

Example: How do I reset this device or fix this error?

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