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Ubiquiti Networks US-8

Ubiquiti UniFi US-8 8-Port Gigabit Switch User Manual

Model: US-8 | Brand: Ubiquiti Networks

1. Introduction

The Ubiquiti UniFi Switch US-8 is an 8-port Gigabit switch designed for robust performance and intelligent switching within enterprise networks. This compact device is PoE powered, meaning it can draw power from a compatible Power over Ethernet source. It also features PoE Passthrough on one port, allowing it to power another PoE device. This functionality makes it ideal for expanding network connectivity and powering devices in locations where traditional power outlets are scarce.

2. Product Features

- **8 Gigabit Ethernet Ports:** Provides high-speed wired connectivity for multiple devices.
- **PoE Powered:** Can be powered by an 802.3af/at PoE switch or a 48V PoE injector, offering flexible deployment options.
- **PoE Passthrough:** Port 8 supports PoE passthrough, enabling it to power a single PoE device (e.g., a UniFi Access Point) when the switch itself is PoE powered.
- **Managed Switch:** Fully managed via the UniFi Controller software, offering advanced configuration and monitoring capabilities.
- **Compact Form Factor:** Small design allows for discreet placement in various environments.
- **Non-Blocking Throughput:** Supports up to 8 Gbps total non-blocking throughput, ensuring efficient data transfer.
- **Durable Construction:** Features a metal case for enhanced durability.

3. Package Contents

Verify that the following items are included in your package:

- Ubiquiti UniFi Switch US-8
- Power Adapter (if not using PoE input)
- Mounting Hardware (if applicable)
- Quick Start Guide

4. Hardware Overview

The UniFi Switch US-8 features a straightforward design with clearly labeled ports for easy connectivity.

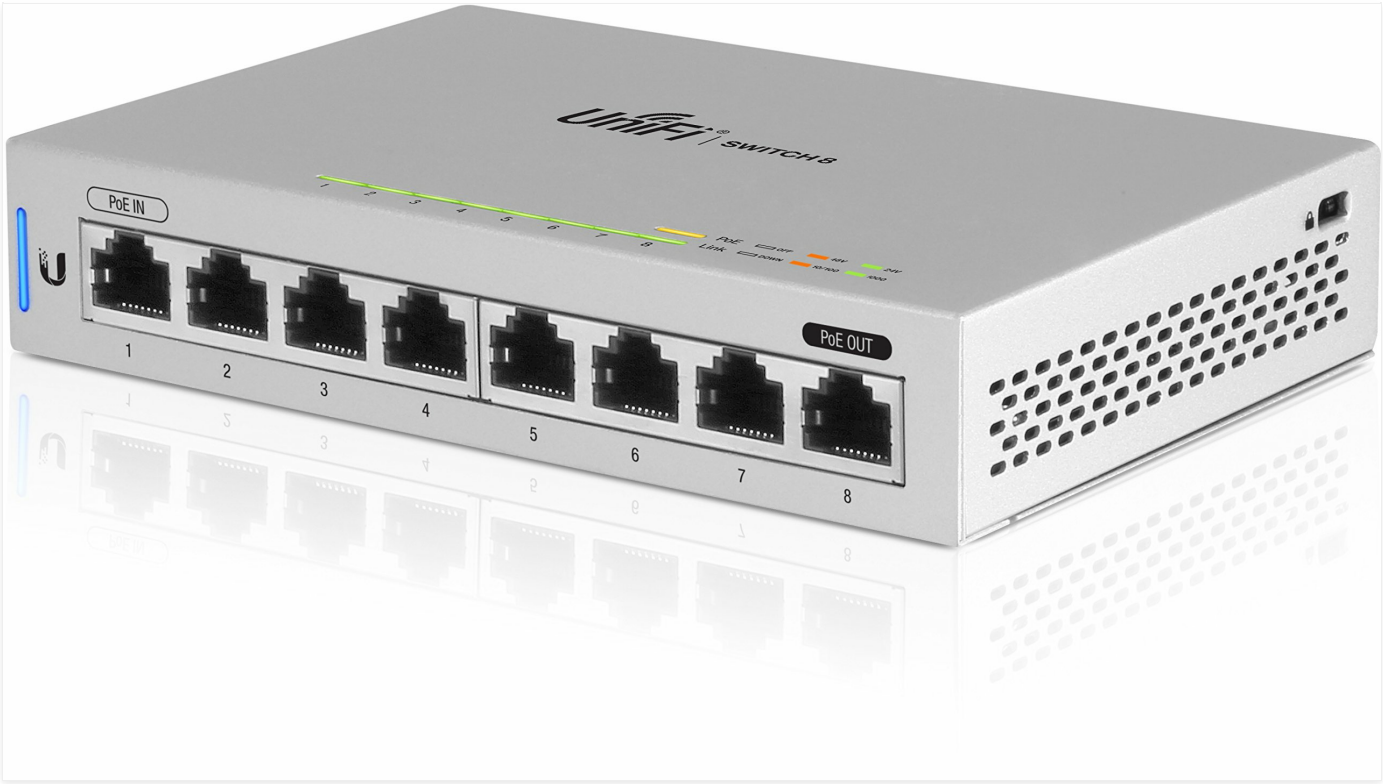


Figure 1: Front Panel Layout of the UniFi Switch US-8. This image displays the eight Gigabit RJ45 ports, with port 1 labeled "PoE In" and port 8 labeled "PoE Out" (Passthrough Port). The device also indicates a total switching capacity of 8 Gbps.

- **PoE In Port (Port 1):** This port accepts Power over Ethernet (PoE) input to power the switch itself. It can be connected to an 802.3af/at compliant PoE source.
- **Gigabit RJ45 Ports (Ports 1-8):** These are 10/100/1000 Mbps Ethernet ports for connecting network devices.
- **Passthrough Port (Port 8):** When the switch is powered via PoE In (Port 1), Port 8 can provide PoE output to power a single PoE device.
- **LED Indicators:** Each port has an LED indicator for link/activity status.

5. Installation and Setup

5.1 Mounting the Switch

The UniFi Switch US-8 can be placed on a desktop or mounted to a wall. Use the included mounting hardware if wall-mounting. Ensure adequate ventilation around the device.

5.2 Powering the Switch

1. **Option 1 (PoE Input):** Connect an Ethernet cable from an 802.3af/at compliant PoE switch or PoE injector to the *PoE In* port (Port 1) on the UniFi Switch US-8.
2. **Option 2 (Power Adapter):** If not using PoE input, connect the included power adapter to the power input port on the switch and then to a power outlet.

Note: If using PoE input, ensure the PoE source provides sufficient power for the switch and any device connected to the PoE Passthrough port.

5.3 Connecting Network Devices

Connect your network devices (computers, servers, access points, etc.) to the available Gigabit RJ45 ports (Ports 1-8) using standard Ethernet cables.

5.4 Using PoE Passthrough

If the UniFi Switch US-8 is powered via PoE In (Port 1), you can connect a single PoE-compatible device (e.g., a UniFi Access Point) to the *Passthrough Port* (Port 8) to provide it with power and network connectivity.

6. Configuration and Operation

The UniFi Switch US-8 is managed using the Ubiquiti UniFi Controller software. This software allows for centralized management of all UniFi devices on your network.

1. **Install UniFi Controller:** Download and install the latest version of the UniFi Controller software on a computer or server within your network, or use a UniFi Cloud Key.
2. **Launch Controller:** Open the UniFi Controller software and follow the on-screen instructions to set up your UniFi network.
3. **Adopt the Switch:** The UniFi Controller will discover the US-8 switch. Follow the prompts to "Adopt" the device into your UniFi network.
4. **Configure Settings:** Once adopted, you can configure various settings for the switch, including VLANs, port mirroring, and other advanced network features, through the UniFi Controller interface.

For detailed configuration instructions, refer to the UniFi Controller documentation available on the Ubiquiti website.

7. Maintenance

- **Firmware Updates:** Regularly check for and apply firmware updates via the UniFi Controller to ensure optimal performance, security, and access to new features.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that the ventilation holes are not obstructed to prevent overheating.
- **Environmental Conditions:** Operate the switch within the specified temperature and humidity ranges to prolong its lifespan.

8. Troubleshooting

8.1 No Power

- Verify that the power adapter is securely connected to the switch and a working power outlet, or that the PoE source connected to Port 1 is active and providing power.
- Check the power LED on the switch. If it's off, try a different power source or PoE injector.

8.2 No Network Connectivity

- Ensure Ethernet cables are properly connected to both the switch and the network devices.
- Check the link/activity LEDs on the switch ports. If an LED is off, reseat the cable or try a different cable.
- Verify that the upstream network connection (e.g., from your router or main switch) is active and functioning.

8.3 Device Not Adopting in UniFi Controller

- Ensure the UniFi Controller software is running and accessible on the same network segment as the US-8 switch.
- Perform a factory reset on the switch by pressing and holding the reset button for approximately 10 seconds.
- Check for any firewall rules that might be blocking communication between the controller and the switch.

9. Specifications

Model	US-8
Dimensions	*Not specified in input, typical compact size*
Weight	*Not specified in input*
Networking Interfaces	(8) 10/100/1000 Mbps RJ45 Ports
PoE Interface	(1) PoE In (Port 1), (1) PoE Passthrough (Port 8)
Power Method	802.3af/at PoE or 48V, 0.5A Power Adapter (included)
Max. Power Consumption	*Not specified in input, typically low for this model*
Switching Capacity	8 Gbps (Non-Blocking)
Forwarding Rate	11.9 Mpps
Management Interface	Ethernet In-Band (UniFi Controller)
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	5 to 95% Non-condensing
Certifications	CE, FCC, IC
Case Material	Metal

Note: Specifications are subject to change without notice.

10. Safety Information

- Read, follow, and keep these instructions.
- Heed all warnings.
- Only use attachments/accessories specified by the manufacturer.
- Do not use this product near water.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Use only the power supply provided by the manufacturer.
- Do not modify the power plug.
- Refer all servicing to qualified service personnel.

11. Warranty and Support

Ubiquiti Networks products come with a limited warranty. For detailed warranty information, please visit the official Ubiquiti website. Technical support and additional resources, including documentation and community forums, are also available on the Ubiquiti support portal.

Online Resources:

- Ubiquiti Support

- Ubiquiti Community Forum

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