

Ubiquiti Networks USW-Pro-XG-8-PoE

Ubiquiti USW-Pro-XG-8-PoE (155W) User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, operation, and maintenance of the Ubiquiti USW-Pro-XG-8-PoE (155W) switch. This device is a professional-grade Layer 3 switch designed for high-speed network environments, offering advanced power over Ethernet capabilities and robust switching performance.

2. PRODUCT OVERVIEW

The Ubiquiti USW-Pro-XG-8-PoE is a compact network switch featuring a comprehensive set of ports and advanced functionalities. It is engineered to deliver reliable and high-performance connectivity for various applications.

2.1 Key Features

- **Full 10 GbE PoE++:** Eight 10 GbE RJ45 ports with up to 60W PoE++ per port.
- **Advanced Switching:** Layer 3 capabilities including static routing and DHCP server.
- **High Performance:** 200 Gbps switching capacity with 149 Mpps forwarding rate.
- **Professional Mounting:** Compact desktop or wall-mountable design.
- **Etherlighting Support:** Integrated lighting for port status indication.

2.2 Package Contents

Verify that all items are present in your package:

- Ubiquiti USW-Pro-XG-8-PoE Switch
- Power Adapter
- Hardware Kit (for mounting)

2.3 Hardware Components

Familiarize yourself with the physical components of the switch.



Image Description: An angled view of the Ubiquiti USW-Pro-XG-8-PoE switch, showcasing its compact white chassis. The front panel features eight RJ45 ports on the left, two SFP+ ports on the right, and a small blue LED indicator.

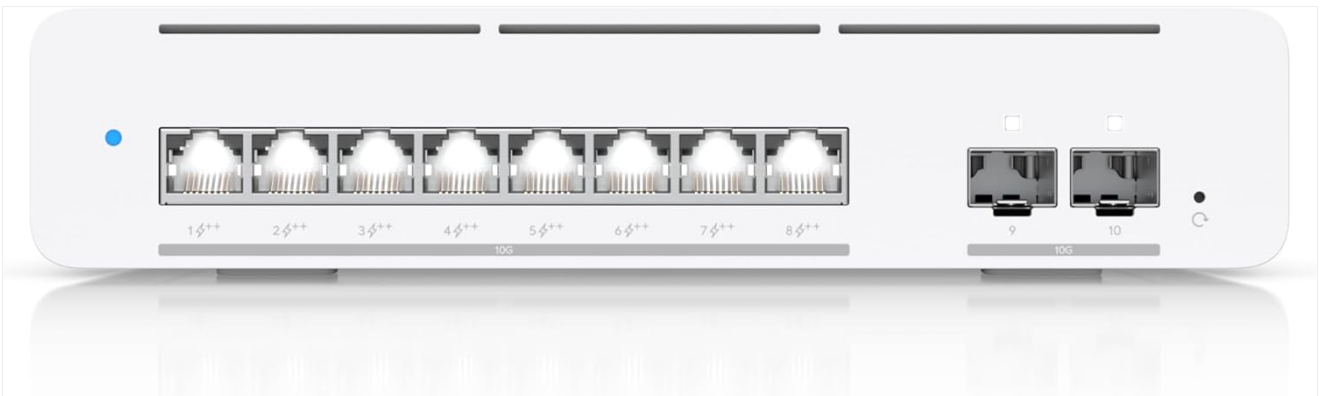


Image Description: A direct front view of the Ubiquiti USW-Pro-XG-8-PoE switch. It clearly shows eight 10 GbE RJ45 ports labeled 1 through 8, each with a '+' indicating PoE++ capability. To the right are two 10G SFP+ ports labeled 9 and 10, and a small reset button.



Image Description: The rear panel of the Ubiquiti USW-Pro-XG-8-PoE switch, showing the power input port labeled 'Input: 54VDC'. The design is clean and minimalist.

3. SETUP

Follow these steps to set up your Ubiquiti USW-Pro-XG-8-PoE switch.

3.1 Mounting the Switch

The switch can be placed on a desktop or mounted on a wall.

3.1.1 Desktop Placement

- Place the switch on a flat, stable surface.

- Ensure adequate ventilation around the device.



Image Description: An isometric view of the Ubiquiti USW-Pro-XG-8-PoE switch, showing its top and front panels. This perspective highlights its compact form factor suitable for desktop placement.

3.1.2 Wall Mounting

- Use the provided hardware kit for wall mounting.
- Mark the desired mounting locations on the wall.
- Drill pilot holes and insert wall anchors if necessary.
- Secure the mounting screws, leaving a small gap.
- Align the switch's mounting slots with the screws and slide it into place.



Image Description: The bottom view of the Ubiquiti USW-Pro-XG-8-PoE switch, displaying the product label with model number (M/N: USW-Pro-XG-8-PoE), serial number, and compliance markings. Four rubber feet are visible, along with screw holes for mounting.

3.2 Connecting Power

1. Connect the power adapter to the 54VDC input port on the rear of the switch.
2. Plug the power adapter into a suitable power outlet.
3. The switch will power on automatically. Observe the LED indicators for boot-up status.

3.3 Network Connections

1. Connect your network devices (e.g., computers, access points, IP cameras) to the RJ45 ports (1-8) using

Ethernet cables. These ports support 10 GbE and PoE++.

2. For high-speed fiber optic connections, use compatible SFP+ modules in ports 9 and 10.
3. Ensure cables are securely seated in their respective ports.

4. OPERATING THE SWITCH

Once powered on and connected, the USW-Pro-XG-8-PoE operates as a managed network switch. Configuration is typically performed via the Ubiquiti UniFi Network Application.

4.1 LED Indicators

The switch features various LED indicators to provide status information:

- **System LED:** Indicates power and boot-up status.
- **RJ45 Port LEDs:** Indicate link/activity and PoE status for each port.
- **SFP+ Port LEDs:** Indicate link/activity for SFP+ ports.
- **Etherlighting:** Provides visual feedback on port speed and status.

4.2 UniFi Network Application

To manage and configure the switch, use the Ubiquiti UniFi Network Application. This application allows you to:

- Adopt the switch into your UniFi network.
- Configure VLANs, port profiles, and QoS settings.
- Monitor network performance and device status.
- Perform firmware updates.

For detailed instructions on using the UniFi Network Application, refer to the official Ubiquiti documentation available on their support website: ui.com/download/unifi

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your switch.

5.1 Cleaning

- Periodically clean the exterior of the switch with a soft, dry cloth.
- Ensure ventilation openings are free from dust and debris.
- Do not use liquid cleaners or aerosols directly on the device.

5.2 Firmware Updates

Keep the switch's firmware updated to benefit from the latest features, security enhancements, and bug fixes. Firmware updates are managed through the UniFi Network Application.

5.3 Environmental Considerations

- Operate the switch within its specified temperature and humidity ranges.
- Avoid exposing the device to direct sunlight or extreme heat sources.
- Ensure proper airflow to prevent overheating.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the USW-Pro-XG-8-PoE switch.

6.1 No Power

- Verify the power adapter is securely connected to both the switch and a working power outlet.
- Check the power outlet with another device to confirm it is functional.
- Ensure the power adapter is the correct one supplied with the switch.

6.2 No Network Connectivity

- Check the Ethernet cables for secure connections and damage.
- Verify the link/activity LEDs on the switch ports are illuminated.
- Confirm that connected devices are powered on and configured correctly.
- If using SFP+ ports, ensure the SFP+ modules are compatible and properly seated.

6.3 Device Not Adopted in UniFi Network Application

- Ensure the UniFi Network Application is running and accessible on your network.
- Verify that the switch has network connectivity to the UniFi controller.
- Try restarting the switch.
- If issues persist, perform a factory reset on the switch by pressing and holding the reset button for approximately 10 seconds.

7. SPECIFICATIONS

Detailed technical specifications for the Ubiquiti USW-Pro-XG-8-PoE switch.

Feature	Specification
Model	USW-Pro-XG-8-PoE
Interface Type	RJ45, SFP+, PoE++
Data Transfer Rate	200 Gigabits Per Second (Switching Capacity)
Forwarding Rate	149 Mpps
Number of Ports	8 x 10 GbE RJ45 PoE++, 2 x 10G SFP+
PoE Standard	PoE++ (802.3bt)
Max. PoE Wattage per Port	60W
Total PoE Budget	155W
Layer Capabilities	Layer 3 (Static Routing, DHCP Server)
Included Components	Hardware Kit, Adapter
Color	White
Manufacturer	Ubiquiti Networks

Certifications	CE, FCC, IC, NDAA Compliant
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8. WARRANTY AND SUPPORT

Ubiquiti Networks products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty information provided with your product or visit the official Ubiquiti website.

8.1 Technical Support

For technical assistance, product documentation, and community forums, please visit the Ubiquiti support portal:

- **Ubiquiti Support:** help.ui.com
- **Downloads:** ui.com/download/

When contacting support, please have your product model and serial number ready. The serial number can be found on the product label, typically located on the bottom of the device.