

## L6AS0F7 ZX-AFGW-SWTG218ANS

# L6AS0F7 ZX-AFGW-SWTG218ANS 2.5Gb Web Managed PoE Switch User Manual

Model: ZX-AFGW-SWTG218ANS

## 1. INTRODUCTION

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This user manual provides comprehensive instructions for the installation, configuration, and operation of the L6AS0F7 ZX-AFGW-SWTG218ANS 2.5Gb Web Managed PoE Switch. This device is designed to provide high-speed network connectivity and Power over Ethernet (PoE) capabilities for various applications, including surveillance cameras and wireless access points. Please read this manual carefully before operating the switch to ensure proper usage and to prevent damage.

## 2. PRODUCT OVERVIEW

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The L6AS0F7 ZX-AFGW-SWTG218ANS is an 8-port 2.5GBASE-T Web Managed PoE Switch with an additional 10G SFP+ uplink port. It supports IEEE802.3af/at PoE standards, delivering up to 100W total power for connected devices. Its web-managed interface allows for advanced network configuration and monitoring, making it suitable for demanding network environments.

## 3. PACKAGE CONTENTS

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Please verify the contents of your package. If any items are missing or damaged, contact your vendor immediately.

- L6AS0F7 ZX-AFGW-SWTG218ANS 2.5Gb Web Managed PoE Switch
- Power Adapter/Cord
- User Manual (this document)
- Mounting Kit (e.g., rackmount ears or rubber feet)

## 4. HARDWARE FEATURES

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### 4.1 Front Panel

The front panel of the switch features the Ethernet ports, SFP+ port, LED indicators, and a reset button.



Figure 4.1: Front Panel Layout of the Switch

This image displays the front of the L6AS0F7 ZX-AFGW-SWTG218ANS switch. It features eight 2.5GBASE-T RJ45 ports, labeled 1 through 8, which also support PoE. To the right of these ports is a 10G SFP+ uplink port. LED indicators for Power, System status, Link/Act, and PoE status are visible above the ports. A reset button is also present.

## 4.2 LED Indicators

- **PWR (Power):** Indicates the power status of the switch.
- **SYS (System):** Indicates the system status.
- **Link/Act (Per Port):** Indicates network link and activity for each RJ45 port.
- **PoE (Per Port):** Indicates PoE status for each RJ45 port.

## 4.3 Physical Dimensions

# 8 Port 2.5GbE Managed POE Switch

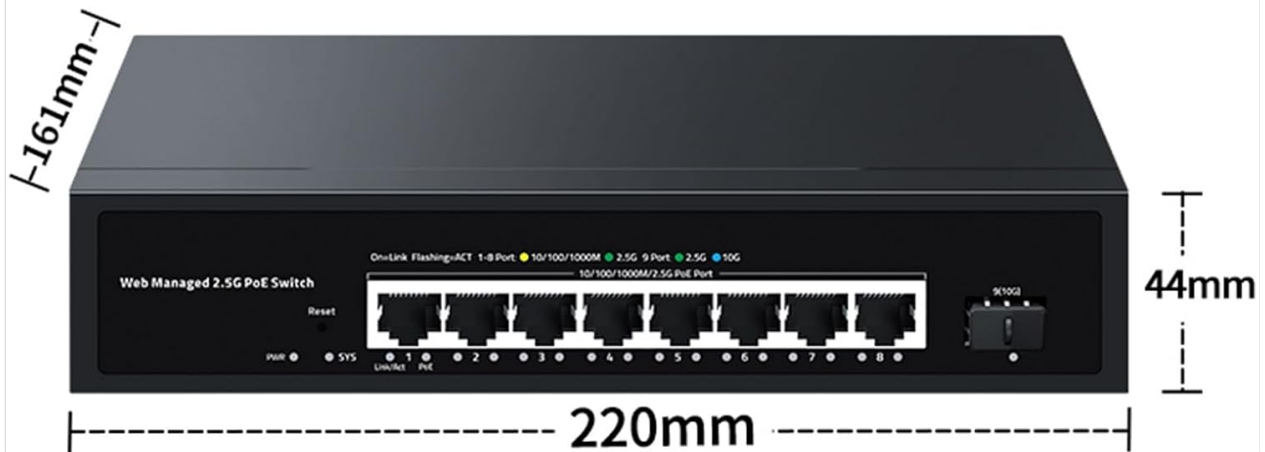


Figure 4.2: Switch Dimensions

This image illustrates the physical dimensions of the L6AS0F7 ZX-AFGW-SWTG218ANS switch. The width is approximately 220mm, the depth is approximately 161mm, and the height is approximately 44mm. These measurements are crucial for proper installation and rack mounting considerations.

## 5. SETUP

### 5.1 Safety Precautions

- Ensure the power supply voltage matches the switch's requirements.
- Do not block ventilation openings.
- Avoid placing the switch in high-humidity or high-temperature environments.
- Ground the switch properly if a grounding terminal is available.

### 5.2 Physical Installation

1. **Placement:** Place the switch on a stable, flat surface or mount it in a rack (if applicable) with adequate ventilation.
2. **Power Connection:** Connect the provided power adapter to the switch's power input and then to a suitable power outlet.
3. **Network Connections:**
  - Connect your network devices (e.g., computers, servers, NVRs) to the 2.5GBASE-T RJ45 ports (1-8) using Ethernet cables.
  - For PoE-enabled devices (e.g., IP cameras, VoIP phones, wireless access points), connect them to the PoE-enabled RJ45 ports. The switch will automatically detect and provide power.
  - For uplink to a core network or another switch, use the 10G SFP+ port with a compatible SFP+

transceiver and fiber optic cable.

4. **Verify LEDs:** After connecting power, check the PWR and SYS LEDs. They should indicate normal operation (e.g., solid green). Link/Act LEDs will illuminate when a device is connected to a port.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Basic Operation

Once powered on and connected, the switch operates automatically as a plug-and-play device for basic network connectivity. Devices connected to the PoE ports will receive power if they are PoE-compatible.

### 6.2 Web Management Interface Access

To access the advanced features and configurations of this web-managed switch, follow these steps:

1. Ensure your computer is connected to one of the switch's RJ45 ports.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. Enter the default IP address of the switch into the browser's address bar. *Refer to the product documentation or the label on the device for the default IP address, username, and password. Common defaults are 192.168.1.1 or 192.168.0.1.*
4. Enter the default username and password when prompted.
5. Upon successful login, you will access the web management interface where you can configure VLANs, QoS, port settings, PoE settings, and monitor switch status.

**Important:** For security reasons, it is highly recommended to change the default login credentials immediately after the first login.

## 7. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are clear and not obstructed to prevent overheating.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Updating firmware can improve performance, add new features, and fix bugs. Follow the instructions provided with the firmware update carefully.
- **Configuration Backup:** Regularly back up your switch configuration settings through the web management interface to facilitate quick recovery in case of a reset or failure.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power / Power LED off	Power adapter not connected or faulty; power outlet issue.	Check power cable connections. Try a different power outlet. Verify power adapter functionality.
No network connectivity on a port	Faulty Ethernet cable; incorrect device connection; port disabled.	Check cable integrity. Ensure device is properly connected. Check port status in web interface. Try a different port.

Problem	Possible Cause	Solution
PoE device not receiving power	Device not PoE-compatible; cable issue; total PoE budget exceeded; port PoE disabled.	Verify device PoE standard. Check cable. Monitor PoE budget in web interface. Ensure PoE is enabled for the port.
Cannot access web management interface	Incorrect IP address; network configuration issue; firewall blocking access.	Verify switch's IP address. Ensure your computer is on the same subnet. Temporarily disable computer firewall. Reset switch to factory defaults if necessary ( <i>this will erase all configurations</i> ).

## 9. SPECIFICATIONS

Feature	Description
Model Number	ZX-AFGW-SWTG218ANS
Switch Type	Ethernet, Web Managed
Number of Interfaces	9 (8x 2.5GBASE-T RJ45, 1x 10G SFP+)
PoE Standard	IEEE802.3af/at
Total PoE Power Budget	100W
Transmission Rate	2000 Mbps (Full-Duplex)
Switch Capacity	60Gbps
Communication Mode	Full-Duplex & Half-Duplex
VLAN Support	Yes
Certifications	CE, FCC, RoHS
Physical Dimensions (W x D x H)	220mm x 161mm x 44mm

*Note: Specifications are subject to change without notice.*

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official L6AS0F7 website. If you encounter issues not covered in this manual, please contact L6AS0F7 customer support for assistance.

**Contact Information:** (*Please refer to the product packaging or manufacturer's website for specific contact details.*)