## ZYXEL XMG1915-10E

# Zyxel 8-Port Gigabit Switch XMG1915-10E Instruction Manual

Model: XMG1915-10E
Brand: ZYXEL

## 1. Introduction

The Zyxel XMG1915-10E is an 8-Port 2.5G Multi-Gigabit Switch designed for enhanced network performance. It features 8x 2.5G Multi-Gigabit ports and 2x 10G SFP+ uplinks, providing flexible and high-speed connectivity for various devices. This switch supports both Nebula cloud management and a local web interface for comprehensive control and monitoring.

Key features include:

- 8-Port 2.5G Multi-Gigabit ports and 2-Port 10G SFP+.
- Slim and fanless design for silent operation in any environment.
- Supports Nebula for a unified cloud network experience across wired, wireless, and security gateways.
- Easy onboarding and real-time configurations via the Nebula App.
- Configurable advanced features through a local web interface.


Figure 1: Zyxel 8-Port Gigabit Switch XMG1915-10E

This image shows the front view of the Zyxel 8-Port Gigabit Switch XMG1915-10E, highlighting its compact design and port layout.

## 2. Setup

### 2.1 Unboxing and Package Contents

Before proceeding with the setup, ensure all components are present in the package:

- Zyxel XMG1915-10E Multi-Gigabit Switch
- Power Adapter
- Power Cord
- Mounting Kit (for desktop or wall mount)

### 2.2 Physical Placement

The switch can be placed on a desktop or mounted on a wall. Ensure adequate ventilation around the device for optimal performance.

- **Desktop Placement:** Place the switch on a flat, stable surface.

- **Wall Mounting:** Use the provided mounting kit to secure the switch to a wall. Refer to the wall mounting instructions in the video below for detailed steps.


Figure 2: Front Panel Overview

This image displays the front panel of the Zyxel switch, showing the 8 Multi-Gigabit Ethernet ports and 2 10G SFP+ ports.


Figure 3: Rear Panel Overview

This image illustrates the rear panel of the Zyxel switch, featuring the DC power input and a grounding screw.

## 2.3 Power Connection

Connect the power adapter to the DC 12V input port on the rear of the switch, then plug the power cord into a suitable power outlet. The Power LED on the front panel will illuminate when the device is powered on.

## 2.4 Network Connection

Connect your network devices (e.g., computers, servers, access points) to the 2.5G Multi-Gigabit Ethernet ports (1-8) using standard Ethernet cables. For high-speed uplinks or connections to other network devices, use the 10G SFP+ ports (9-10) with compatible SFP+ transceivers and fiber optic cables.

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Video 1: Tenda 2.5G Switch Installation Guide

This video provides a general guide on how to install a 2.5G switch, including desktop and wall mounting options, and connecting power and network cables. While it features a Tenda product, the installation principles are applicable to the Zyxel XMG1915-10E.

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Video 2: Zyxel XMG1915-series Product Presentation

This video offers a product presentation of the Zyxel XMG1915 series, showcasing its features and design, which is directly relevant to the XMG1915-10E model.

# 3. Operating

## 3.1 Basic Network Operation

The Zyxel XMG1915-10E operates as a plug-and-play device for basic network connectivity. Once powered on and connected to your devices, it will automatically detect and establish network links.

## 3.2 Managed Features and Configuration

For advanced network management, the switch can be configured via the Nebula cloud platform or its local web interface. These options allow for:

- VLAN (Virtual Local Area Network) setup for network segmentation.
- QoS (Quality of Service) to prioritize network traffic.
- Link Aggregation (LAG) to combine multiple ports for increased bandwidth.
- Port mirroring for network analysis.

## 3.3 Nebula Cloud Management

The Nebula cloud platform provides centralized management for your Zyxel network devices. You can monitor network status, configure settings, and troubleshoot issues from anywhere using the Nebula web portal or mobile app.


Figure 4: Nebula Cloud Management Dashboard

This image displays the Nebula cloud management dashboard, offering a comprehensive overview of network devices and their status.

Figure 5: Nebula Advanced Configuration

This image shows the advanced configuration options available through the Nebula interface, including settings for Link Aggregation and other features.

## 4. Maintenance

### 4.1 Firmware Updates

Regularly check the Zyxel official website for the latest firmware updates. Keeping your device's firmware up-to-date ensures optimal performance, security, and access to new features.

### 4.2 Cleaning and Ventilation

To maintain proper operation, ensure the switch is kept clean and free from dust. Use a soft, dry cloth for cleaning. The fanless design requires good airflow, so avoid obstructing the ventilation holes on the sides of the device.

### 4.3 Environmental Considerations

Operate the switch within its specified temperature range (up to 60 Degrees Celsius) and in a dry environment to prevent damage and ensure longevity.

## 5. Troubleshooting

### 5.1 No Power

- Verify the power adapter is securely connected to the switch and the power outlet.
- Check if the power outlet is functional by plugging in another device.
- Ensure the power adapter is the original Zyxel adapter provided with the switch.

### 5.2 No Link/Activity on a Port

- Confirm the Ethernet cable is properly connected to both the switch port and the connected device.
- Try a different Ethernet cable to rule out cable defects.
- Check the status of the connected device to ensure it is powered on and functioning correctly.
- For SFP+ ports, ensure the SFP+ transceiver is correctly inserted and compatible.

### 5.3 Slow Network Speed

- Verify that your connected devices support 2.5G or 10G speeds to fully utilize the switch's capabilities.
- Ensure you are using Cat5e or better cabling for 2.5G connections, and appropriate fiber optic cables for

10G SFP+ connections.

- Check for network congestion or other devices consuming significant bandwidth.

### 5.4 Factory Reset

If you encounter persistent issues or forget your management password, you can perform a factory reset. Locate the 'Reset' button on the front panel (refer to Figure 2). Use a paperclip or similar pointed object to press and hold the reset button for approximately 10 seconds until the device reboots. This will restore the switch to its default factory settings.

## 6. Specifications

| Feature | Description |
|---|---|
| Model Number | XMG1915-10E |
| Number of Ports | 8 (2.5G Multi-Gigabit) + 2 (10G SFP+) |
| Data Transfer Rate | 2500 Megabits Per Second (2.5G ports) |
| Interface Type | SFP, RJ-45 |
| Case Material | Plastic |
| Item Weight | 2.86 pounds (1.3 Kilograms) |
| Package Dimensions | 12.2 x 9.09 x 2.64 inches |
| Upper Temperature Rating | 60 Degrees Celsius |
| UPC | 760559130305 |

## 7. Warranty

This Zyxel product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty information included with your product packaging or visit the official Zyxel website.

## 8. Support

For technical assistance, product documentation, FAQs, and software downloads, please visit the official Zyxel support website. You can also find contact information for customer service and technical support on their website.

Official Zyxel Website: www.zyxel.com