Zyxel XMG-108

Zyxel XMG-108 8-Port 2.5G Multi-Gigabit Unmanaged Switch User Manual

Model: XMG-108 | Brand: Zyxel

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Zyxel XMG-108 8-Port 2.5G Multi-Gigabit Unmanaged Switch. The XMG-108 is designed to enhance your network speed and performance with its 2.5G Ethernet ports and a 10G SFP+ uplink, making it ideal for gaming, 4K/8K video streaming, and small/home office environments. Its plug-and-play design ensures easy setup without complex configurations.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any item is missing or damaged, please contact your vendor.

- Zyxel XMG-108 8-Port 2.5G Multi-Gigabit Unmanaged Switch
- Power adapter
- Quick start guide
- Screws and pads for mounting

Image: Zyxel XMG-108 Switch and its accessories, including the power adapter, quick start guide, and mounting hardware.

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Video: An unboxing of the Zyxel XMG-100 Series switch, demonstrating the contents of the package including the switch unit, power adapter, and mounting accessories.

3. SETUP GUIDE

3.1 Physical Installation

The Zyxel XMG-108 switch offers flexible deployment options, allowing for both desktop placement and wall mounting.

1. **Desktop Placement:** Place the switch on a flat, stable surface. Ensure adequate ventilation around the device.
2. **Wall Mounting:** Use the provided screws and pads to securely mount the switch to a wall. Refer to the quick start guide for detailed wall mounting instructions.

Image: The Zyxel XMG-108 switch shown on a desktop and mounted on a wall, illustrating flexible deployment.

3.2 Connecting the Switch

The XMG-108 is a plug-and-play unmanaged switch, requiring no software configuration for basic operation.

1. **Power Connection:** Connect the power adapter to the DC IN port on the rear of the switch and then plug it into a power outlet. The Power LED will illuminate.
2. **Network Device Connection:** Connect your network devices (e.g., computers, gaming consoles, NAS, Wi-Fi 6/6E APs) to any of the 8 Multi-Gigabit Ethernet ports (1-8) using standard Ethernet cables (Cat 5e or higher for 2.5G speeds).
3. **Uplink Connection:** For higher bandwidth connections, use the 10G SFP+ port (port 9) to connect to a server, NAS, or another switch with 10GbE networking capabilities.
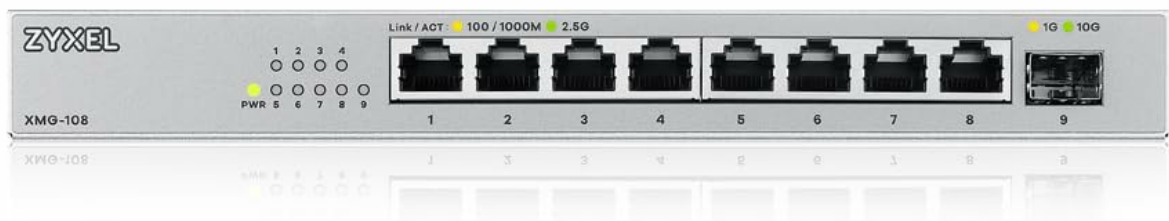
Image: Front view of the Zyxel XMG-108 switch, showing the 8 Multi-Gigabit Ethernet ports and the 10G SFP+ uplink port, along with LED indicators.

Image: Rear view of the Zyxel XMG-108 switch, highlighting the DC IN power port.

4. OPERATING INSTRUCTIONS

4.1 LED Indicators

The front panel LEDs provide status information for the switch and its ports:

- **PWR (Power) LED:** Illuminates when the switch is powered on.
- **Link/ACT LEDs (Ports 1-8):**

  - Solid Green: Link established at 2.5G speed.
  - Solid Amber: Link established at 100M/1G speed.
  - Flashing: Data activity.

- **Link/ACT LEDs (Port 9 - SFP+):**

  - Solid Green: Link established at 10G speed.

- Solid Amber: Link established at 1G speed.
- Flashing: Data activity.

4.2 Silent Operation

The Zyxel XMG-108 features a fanless design, ensuring silent operation. This makes it suitable for noise-sensitive environments such as homes and small offices.

Image: Illustration of the fanless, noiseless design of the Zyxel XMG-108 switch, highlighting its suitability for quiet environments.

5. KEY FEATURES

- **2.5G Multi-Gig Ports:** Eight full-speed 2.5G Ethernet ports for high-bandwidth devices like WiFi 6/6E access points, 4K/8K video streaming devices, or gaming PCs.
- **10G SFP+ Uplink:** An additional 10G SFP+ port for connecting to network-attached storage (NAS), desktops with 10GbE networking cards, or for high-speed uplink connectivity to other network segments.
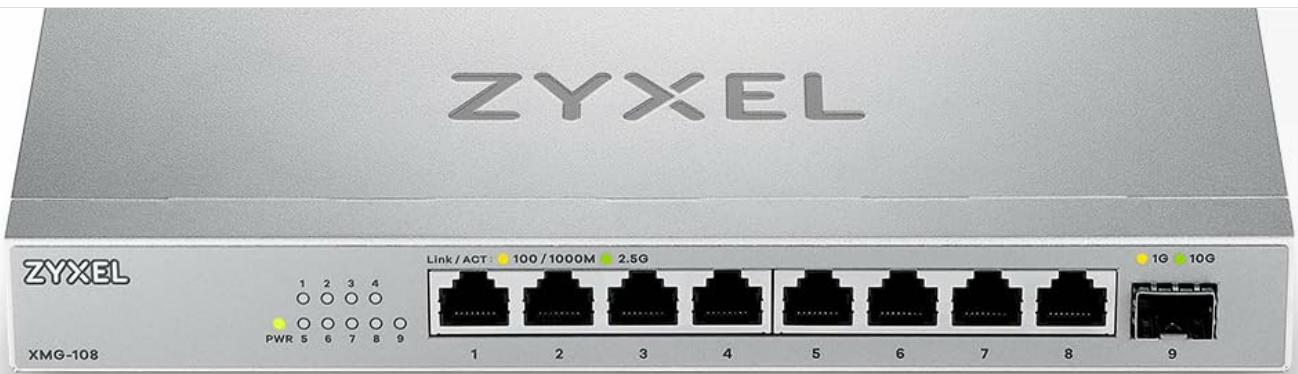
- **2.5X Speed with Existing Cables:** Increase your home networking speed up to 2.5 times using your current Cat 5e cables, eliminating the need for costly re-cabling.
- **Plug and Play:** Simple setup with no configuration required. Just connect your devices and power on the switch to access the internet and local network resources.
- **Silent Operation:** Compact and fanless design ensures quiet, stable, and power-efficient performance.
- **Durable Metal Casing:** Robust metal casing provides enhanced durability and heat dissipation.

Image: Diagram illustrating various devices that can benefit from the 8x 2.5G Multi-Gig ports, such as 2.5G CPE, 2.5G Storage, 2.5G Gaming PC, Laptops with 2.5G Ethernet Adapters, and 4K/8K Video devices.

Image: Diagram demonstrating 10G file transfer capabilities through the 10G SFP+ uplink port, facilitating fast data exchange between high-speed devices.

Image: Visual representation indicating that existing Cat 5e cables can support 2.5Gbps speeds, allowing users to upgrade network speed without additional cabling costs.

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Video: An overview of the Zyxel XMG-108 switch, highlighting its 2.5G Multi-Gig ports, 10G SFP+ connectivity, plug-and-play functionality, and silent operation for improved internet speed and streaming quality.

6. SPECIFICATIONS

Attribute	Detail
Product Dimensions	24L x 10.5W x 2.7H Centimeters
Item Weight	660 Grams
Case Material Type	Metal

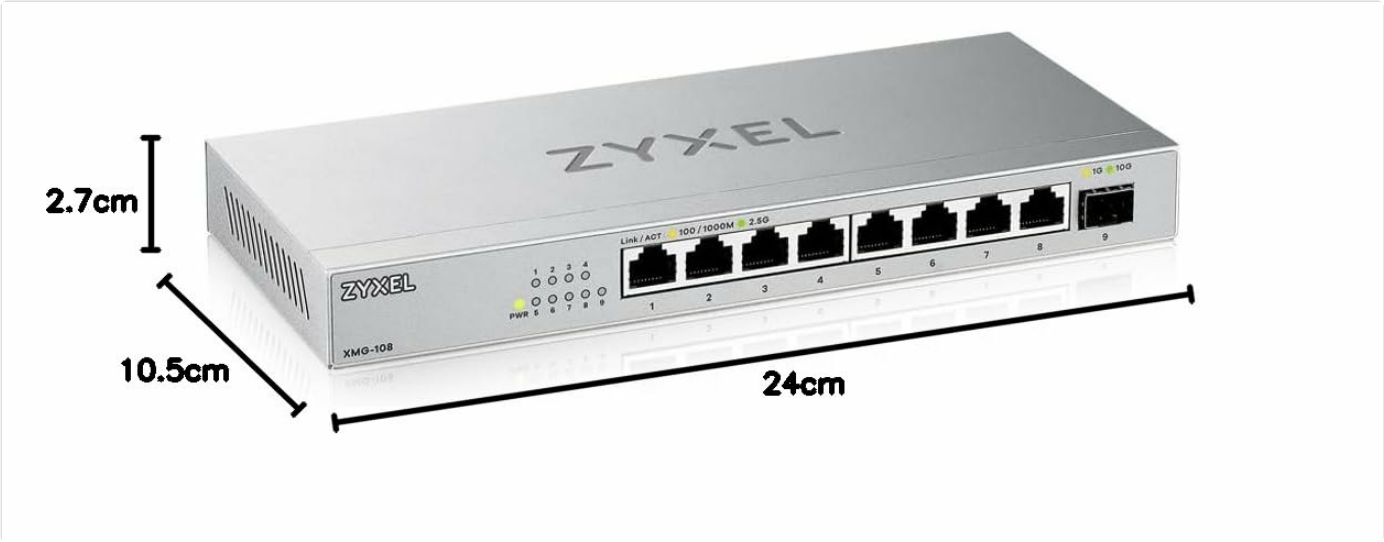| Attribute	Detail
Interface Type	SFP+
Data Transfer Rate	2.5 Gigabits Per Second
UPC	760559130268
Series	8-Port | 2.5G | 1x SFP+ | Unmanaged
Item model number	XMG-108
Number of Ports	8 (2.5G Ethernet) + 1 (10G SFP+)
Included Components	Power adapter, Quick start guide
Colour	Silver
Compatible Devices	Desktop, Gaming Console, Laptop, Printer, Router

Image: Detailed view of the Zyxel XMG-108 switch with its dimensions (24cm L x 10.5cm W x 2.7cm H) indicated.

7. TROUBLESHOOTING

If you encounter issues with your Zyxel XMG-108 switch, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the switch and a working power outlet. Check if the Power LED is illuminated.
- **No Link/Activity:** Verify that Ethernet cables are properly connected to both the switch and the network device. Check the Link/ACT LEDs for the corresponding port. If the LED is off, try a different cable or port.
- **Slow Network Speed:** Ensure you are using Cat 5e or higher rated Ethernet cables for 2.5G connections. Confirm that your connected devices and network interface cards (NICs) support 2.5G or 10G speeds.
- **Intermittent Connection:** Check for loose cable connections. Ensure the switch is placed in a well-ventilated area to prevent overheating.
- **Device Not Recognized:** Power cycle the switch and the connected device.
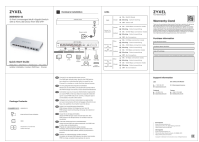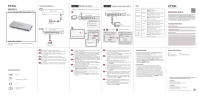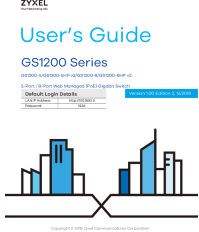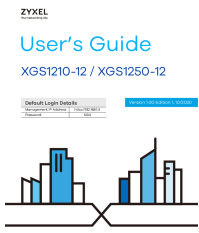
For further assistance, consult the Zyxel support website or contact their customer service.

8. WARRANTY AND SUPPORT

The Zyxel XMG-108 switch comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Zyxel website for detailed warranty terms and conditions.

For technical support, product registration, and frequently asked questions, please visit the Zyxel Networks website or contact your local Zyxel support team.

Related Documents - XMG-108

	ZYXEL XGS1010-12 Quick Start Guide: Setup and LED Indicators for Multi-Gigabit Switch Get started quickly with the ZYXEL XGS1010-12 12-Port Unmanaged Multi-Gigabit Switch. This guide covers hardware installation, LED meanings, package contents, and support information for optimal network setup.
	ZYXEL XGS1210-12 12-Port Web-Managed Multi-Gigabit Switch Quick Start Guide Quick start guide for the ZYXEL XGS1210-12, a 12-port web-managed multi-gigabit switch featuring 2.5 Gbps and 10 Gbps SFP+ ports. Provides hardware installation, initial setup, LED indicators, troubleshooting, and support information.
	Zyxel GS1200 Series User's Guide: Gigabit Managed Switches Comprehensive user guide for Zyxel GS1200 Series Gigabit Managed Switches, covering installation, configuration via web configurator, technical specifications, and troubleshooting for models GS1200-5, GS1200-5HP v2, GS1200-8, and GS1200-8HP v2.
	Zyxel XGS1210-12 / XGS1250-12 User's Guide A comprehensive user's guide for Zyxel's XGS1210-12 and XGS1250-12 network switches, covering hardware installation, web configurator usage, and various network applications like Multi-Gigabit, Backbone, Bridging, and VLAN setups.
	Zyxel XGN100F 10G Network Adapter PCIe Card Quick Start Guide This document provides a quick start guide for the Zyxel XGN100F 10G Network Adapter PCIe Card, including hardware installation, LED indicators, troubleshooting, and warranty information.
	ZYXEL Armor G5 (NBG7815) AX6000 Multi-Gigabit Security WiFi Router Quick Start Guide Quick start guide for the ZYXEL Armor G5 (NBG7815) AX6000 Multi-Gigabit Security WiFi Router, providing instructions for hardware installation, web configuration, and app setup.