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VIMIN 5 Port | 4xPoE + 72W | 1xUPLink

# VIMIN 5-Port Gigabit PoE Switch User Manual

BRAND: VIMIN

Model: 5 Port | 4xPoE + 72W | 1xUPLink

## 1. Product Overview

The VIMIN 5-Port Gigabit PoE Switch is an unmanaged Ethernet switch designed for reliable high-speed data transmission and power delivery over network cables. It features four Power over Ethernet (PoE+) RJ45 ports and one Gigabit uplink port, making it suitable for connecting various network devices such as NVRs, IP cameras, access points, and more. Its robust metal housing allows for versatile installation options, including desktop placement or wall-mounting.

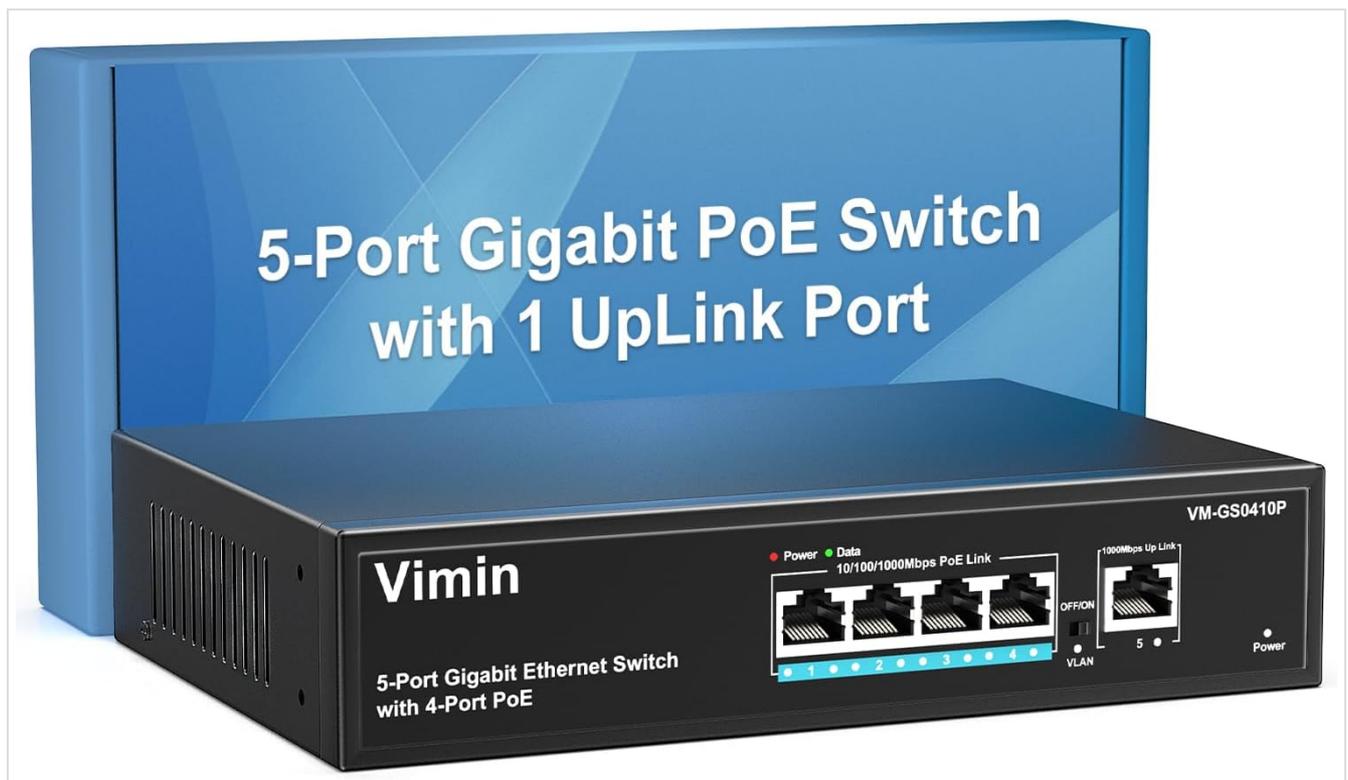


Image: The VIMIN 5-Port Gigabit PoE Switch, showcasing its compact design and front panel with ports and indicators.

Key features include:

- **4x Gigabit PoE+ Ports:** Delivers up to 30W per port with a total power budget of 72W, supporting IEEE 802.3af/at standards.
- **1x Gigabit Uplink Port:** For high-speed connection to your main network or NVR.
- **One-Key VLAN Mode:** Enhances network security and bandwidth by isolating PoE ports while maintaining uplink communication.
- **Plug & Play:** Requires no complex configuration for immediate use.
- **Robust Protection:** Features 4KV lightning protection for enhanced device safety.
- **Fanless Design:** Ensures silent operation, suitable for various environments.

## 2. Setup Instructions

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Follow these steps to set up your VIMIN 5-Port Gigabit PoE Switch:

1. **Unpack the Device:** Carefully remove the PoE switch, power cable, and user manual from the packaging.
2. **Connect Power:** Connect the included power cable to the power input port on the back of the switch and then plug it into a standard electrical outlet. The power indicator light on the front panel should illuminate.

# 5-Port Gigabit PoE Switch with 1 UpLink Port



Image: Illustration of the PoE switch's front and rear, highlighting the built-in power supply and port designations (PoE ports 1-4, Uplink port 5).

- 3. Connect Uplink Device:** Connect your router, NVR, or main network device to the Gigabit uplink port (Port 5) using a standard Ethernet cable.
- 4. Connect PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, access points, VoIP phones) to any of the PoE+ ports (Ports 1-4) using Ethernet cables. The switch will automatically detect and power these devices if they are IEEE 802.3af/at compliant.

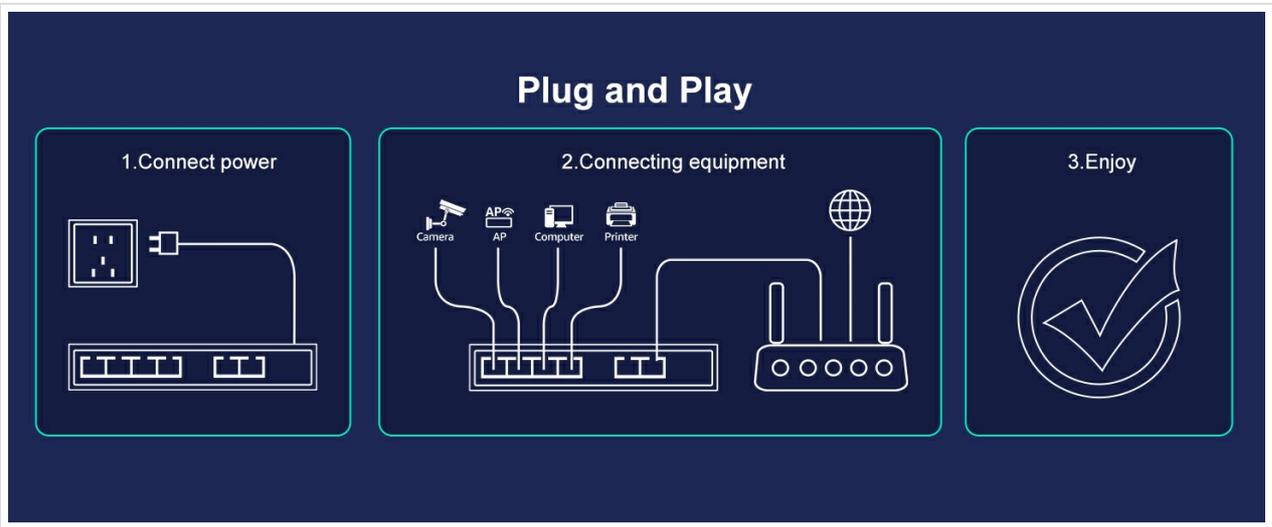


Image: A visual guide to the plug-and-play setup, showing power connection, device connection (camera, AP, computer, printer), and network router connection.

- 5. Verify Connections:** Check the LED indicators on the front panel. The 'Power' LED should be solid green. The 'Link/Act' LEDs for connected ports should be solid green (link) and blink (activity).

The switch is designed for plug-and-play operation, requiring no software configuration for basic network functionality.

# Plug & Play, No Configuration

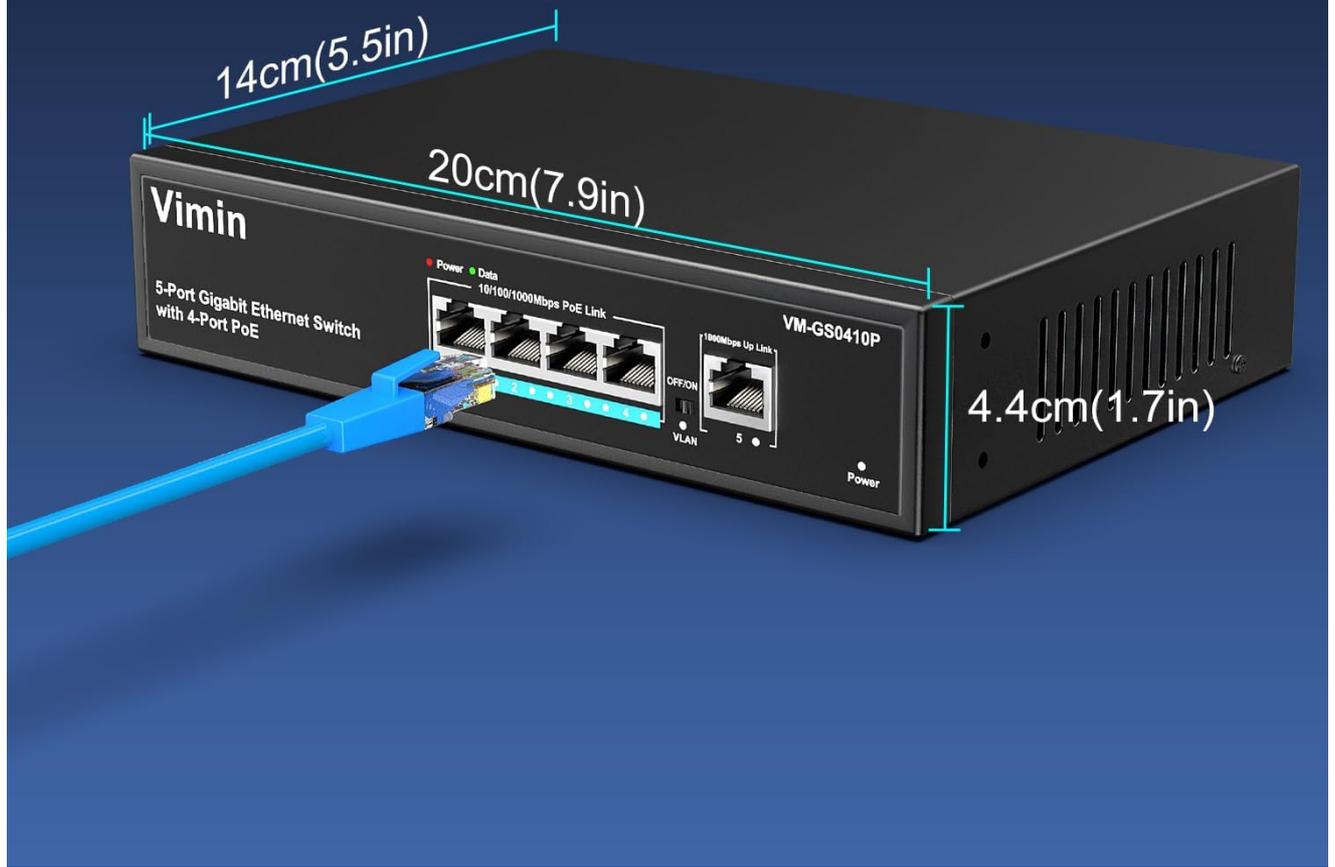


Image: The VIMIN PoE switch with its dimensions (14cm/5.5in length, 20cm/7.9in width, 4.4cm/1.7in height), emphasizing its compact size and plug-and-play nature.

## Installation Methods

The VIMIN PoE switch offers flexible installation options:

- **Desktop Placement:** Simply place the switch on a flat, stable surface.
- **Wall-Mounting:** The metal casing is designed for easy wall-mounting using appropriate screws (not included).

## Versatile Installation Methods



Desktop



Wall-mounted

Image: Two installation methods are depicted: the switch placed on a desk and mounted vertically on a wall, demonstrating its versatility.

### 3. Operating Instructions

Once the switch is powered on and devices are connected, it operates automatically. Here are specific operational features:

#### Port Functionality

- **PoE+ Ports (1-4):** These ports provide both data connectivity and power to connected IEEE 802.3af/at compliant devices. Each port can deliver up to 30W.
- **Uplink Port (5):** This port is a standard Gigabit Ethernet port for connecting to your main network infrastructure. It does not provide PoE.

# Compatible with Most Devices, Expand Your Network



Image: The PoE switch is shown as a central hub connecting an Access Point, Router, Computer, Camera, Printer, and IP Phone, illustrating its broad compatibility.

## One-Key VLAN Mode

The switch features a One-Key VLAN mode to enhance network security and performance. To activate or deactivate VLAN mode, use the dedicated switch on the front panel:

- **VLAN ON:** In this mode, PoE ports 1-4 are isolated from each other, preventing direct communication between devices connected to these ports. They can still communicate with the uplink port (Port 5). This is useful for preventing IP camera interference or enhancing security in multi-device setups.
- **VLAN OFF (Ordinary Mode):** All connected devices can communicate directly with each other, as in a standard unmanaged switch.

# One-Key VLAN



Image: A visual representation of the VLAN toggle switch on the PoE device, explaining the 'ON' (VLAN Mode) and 'OFF' (Ordinary Mode) functionalities with their respective benefits.

## Gigabit Performance

The switch supports Gigabit Ethernet (1000 Mbps) on all ports, providing significantly faster data transfer rates compared to traditional 100 Mbps networks.

# 10x Faster than 100Mbps Network

Experience with the Gigabit switch, surpassing the performance of traditional 100Mbps networks.

VM-GS0410P

1000Mbps

Others

100Mbps

10x



Image: A graphic demonstrating that the Gigabit switch offers speeds 10 times faster than a 100Mbps network, highlighting its superior performance.

## 4. Maintenance and Care

To ensure optimal performance and longevity of your VIMIN PoE Switch, consider the following:

- **Environmental Conditions:** Operate the switch within its specified temperature range (14°F to 131°F / -10°C to 55°C) and humidity levels. Avoid direct sunlight, excessive heat sources, and damp environments.

# Reliability at Extreme Temperatures



14°F  
Lowest temperature



131°F  
Highest temperature

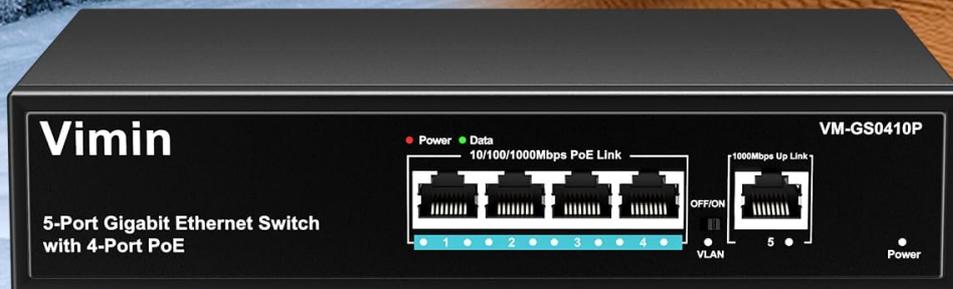


Image: The PoE switch is depicted in both cold (14°F) and hot (131°F) environments, emphasizing its reliability under extreme temperature conditions.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure proper airflow around the switch. Although it has a fanless design, adequate ventilation helps dissipate heat.
- **Lightning Protection:** The switch features 4KV lightning protection. While this provides significant safeguarding, it is still advisable to disconnect the switch during severe electrical storms if possible.
- **Fanless Design:** The fanless design contributes to silent operation and reduces dust accumulation inside the device, minimizing maintenance needs.

# Fanless Design, Zero Noise



Quiet



Metal Case



Image: The PoE switch is shown in a quiet home setting, illustrating its fanless design for zero noise and its durable metal casing.

## 5. Troubleshooting

If you encounter issues with your VIMIN PoE Switch, refer to the following common troubleshooting steps:

- **No Power:**

- Ensure the power cable is securely connected to both the switch and a working electrical outlet.
- Check if the power outlet is functional by plugging in another device.

- **No Link/Activity on Port:**

- Verify that the Ethernet cable is properly connected at both ends (switch port and connected device).
- Try a different Ethernet cable to rule out cable issues.
- Ensure the connected device is powered on and functioning correctly.

- For PoE ports, confirm the connected device is IEEE 802.3af/at compliant. Passive PoE devices are not supported.

- **PoE Device Not Receiving Power:**

- Check the total power budget (72W) and individual port power (30W). Ensure you are not exceeding the switch's capacity with multiple high-power devices.
- Verify the device requires PoE and is compatible with IEEE 802.3af/at standards.
- Try connecting the device to a different PoE port.

- **Network Performance Issues (Slow Speed):**

- Ensure all connected devices and cables support Gigabit Ethernet for optimal speed.
- Check for excessive network traffic or loops.
- If VLAN mode is enabled, ensure it is configured as desired for your network setup.

- **Devices on PoE Ports Cannot Communicate with Each Other:**

- Check the One-Key VLAN switch. If it is in 'ON' position, ports 1-4 are isolated. Switch it to 'OFF' for direct communication between these ports.

If issues persist after following these steps, please contact VIMIN customer support.

## 6. Specifications

Detailed technical specifications for the VIMIN 5-Port Gigabit PoE Switch:

Feature	Description
Model Number	5 Port   4xPoE + 72W   1xUPLink
Number of Ports	5 (4x PoE+, 1x Uplink)
PoE Standard	IEEE 802.3af/at (Note: Does NOT support passive PoE)
Max Power Per PoE Port	30W
Total PoE Power Budget	72W
Data Transfer Rate	1000 Megabits Per Second (Gigabit Ethernet)
Switching Capacity	10 Gbps
Interface Type	PoE, RJ45
Case Material	Metal
Installation	Desktop or Wall-Mount
Dimensions (L x W x H)	14cm x 20cm x 4.4cm (5.5in x 7.9in x 1.7in)
Item Weight	1.94 pounds (0.88 Kilograms)
Operating Temperature	14°F to 131°F (-10°C to 55°C)

Feature	Description
Included Components	1* User Manual, 1* 5-Port PoE Switch, 1* Power Cable
Compatible Devices	Access Point, Camera, Computer, Printer, Router
UPC	756166576957

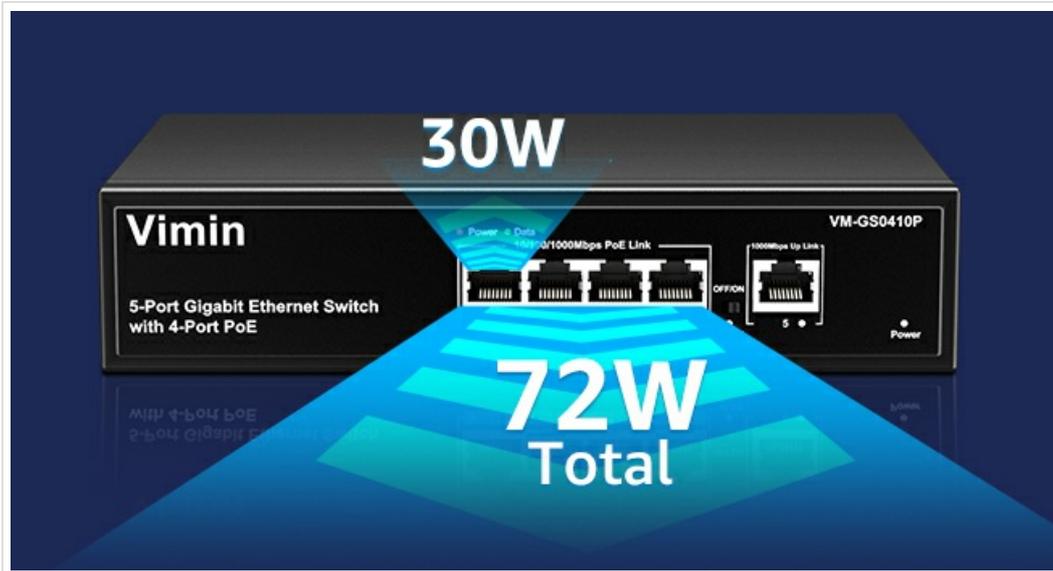


Image: A visual representation of the power capabilities, indicating 30W per PoE port and a total power budget of 72W for the switch.



Image: A diagram illustrating the 10 Gbps switching capacity of the VIMIN PoE switch, indicating its high-speed data processing capability.

## 7. Warranty and Support

VIMIN is committed to providing reliable products and excellent customer service. For specific warranty details, please refer to the documentation included with your product or visit the official VIMIN website.

### Customer Support

If you require technical assistance, have questions about your product, or need to report an issue, please contact our support team:

- **Email Support:** [support@vimintech.com](mailto:support@vimintech.com)
- **Professional Technical Team:** Access to a dedicated team for technical inquiries.
- **24H High Quality Service:** Committed to providing timely and effective support.



Image: Contact details for VIMIN support, including email address, mention of a professional technical team, and 24-hour high-quality service.

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This manual is for informational purposes only. Specifications are subject to change without notice.