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VIMIN 8x10G Ethernet

VIMIN 8-Port 10G Ethernet Switch Instruction Manual

Model: 8x10G Ethernet (Unmanaged)

1. PRODUCT OVERVIEW

The VIMIN 8-Port 10G Ethernet Switch is an unmanaged network switch designed to meet the high-speed networking demands of expanding enterprises and advanced home networks. It features eight 100M/1000M/2.5G/5G/10G Ethernet RJ45 ports with intelligent auto-negotiation, simplifying operational management across diverse networking environments. With a robust 160Gbps backplane bandwidth, this switch is ideal for applications requiring high data throughput, such as 10G NAS, 10G computers, 10G NICs, WiFi 6 routers, and 8K video streaming.

The switch is built with a durable metal case, includes 4KV lightning protection, and operates reliably within a temperature range of 0°C to 45°C (32°F to 113°F) and humidity levels of 10% to 90%. Its plug-and-play design ensures easy installation without requiring complex configuration.



Image: The VIMIN 8-Port 10G Ethernet Switch, showcasing its compact design and highlighting features like 10G RJ45 ports, 160Gbps switch capacity, 12K Jumbo Frame, 119.04Mpps forwarding rate, and 16K MAC address table.

2. PACKAGE CONTENTS

- VIMIN 8-Port 10G Ethernet Switch (Model: 8x10G Ethernet)
- Power Adapter
- 19-inch Rackmount Kit
- User Manual

Your browser does not support the video tag.

Video: An unboxing video demonstrating the contents of the VIMIN 8-Port 10G Ethernet Switch package, including the switch unit, power adapter, rackmount kit, and user manual.

3. PHYSICAL DESCRIPTION AND HARDWARE FEATURES

Front Panel

The front panel features eight RJ45 ports, each supporting 100M/1G/2.5G/5G/10G speeds with auto-negotiation. LED indicators provide status information for power, system activity, and individual port link/activity and speed.

- **Link/Act LED:** Indicates network link status and activity.
- **10Gbps LED:** Indicates a 10Gbps connection speed.
- **SYS LED:** Flashing indicates normal operation.
- **PWR LED:** On when powered, off when powered off.

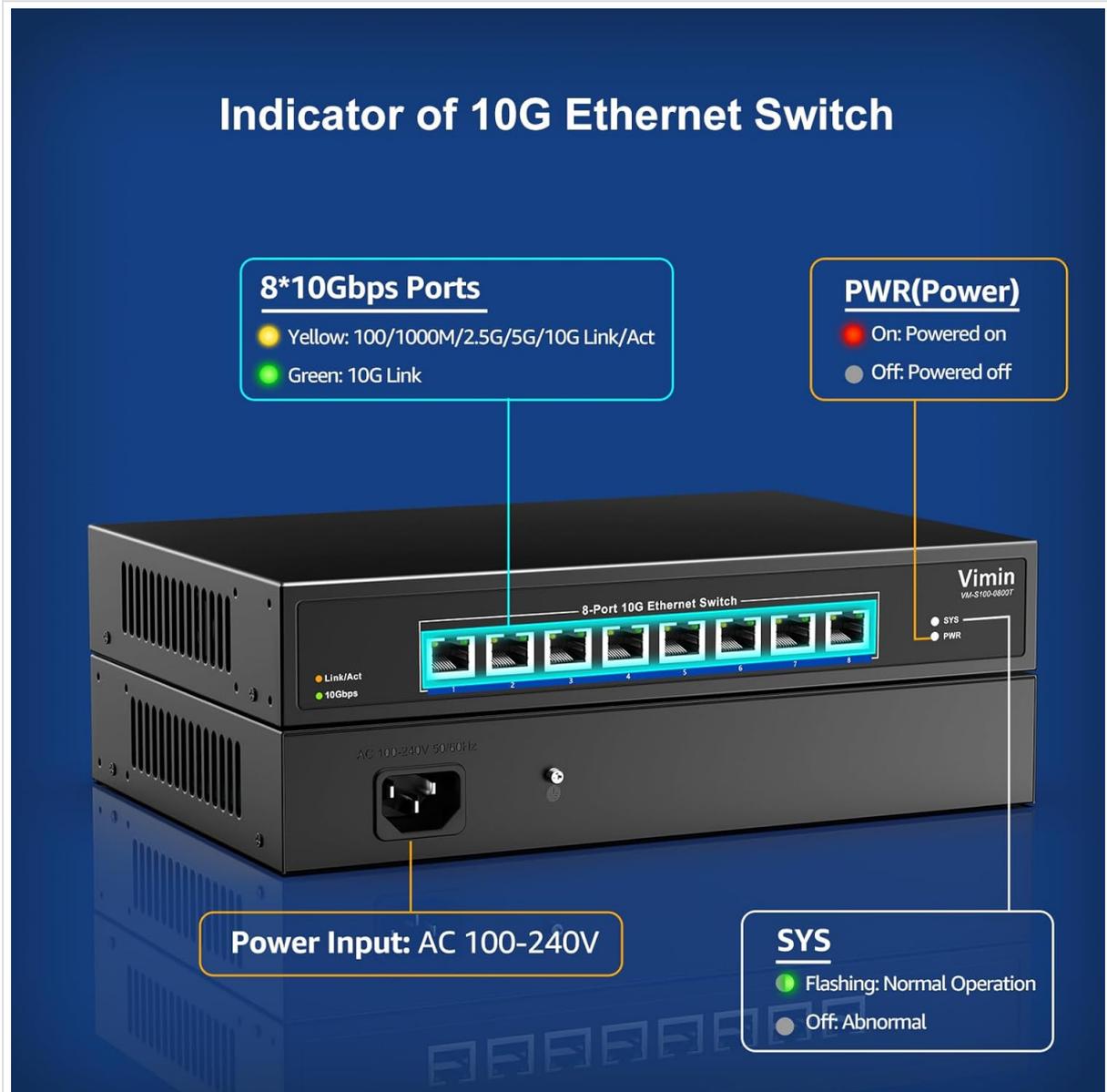


Image: A detailed diagram explaining the LED indicators on the VIMIN 8-Port 10G Ethernet Switch, showing what each color and state signifies for power, system, and port link/activity.

Rear Panel

The rear panel includes the AC power input (110-240V) and a grounding screw for enhanced safety. The device also features an industrial-grade 5000 RPM fan and vents for efficient heat dissipation, ensuring stable performance.

19-inch Rack Mount

Sturdy and Reliable



Rack Mount



0°F~113°F
Working Environment



Metal Case



Image: The rear panel of the VIMIN 8-Port 10G Ethernet Switch, illustrating the AC 110-240V power input, grounding point, and cooling vents.

4. SETUP

4.1 Connecting the Switch

1. Connect the provided power adapter to the switch's power input and then to a power outlet.
2. Connect your network devices (e.g., 10G NAS, PC, NIC, WiFi 6 router) to any of the 8 RJ45 ports using appropriate Ethernet cables (Cat6a or higher recommended for 10G speeds).
3. The switch is plug-and-play; no configuration is required. It will automatically detect and negotiate the optimal speed for connected devices.

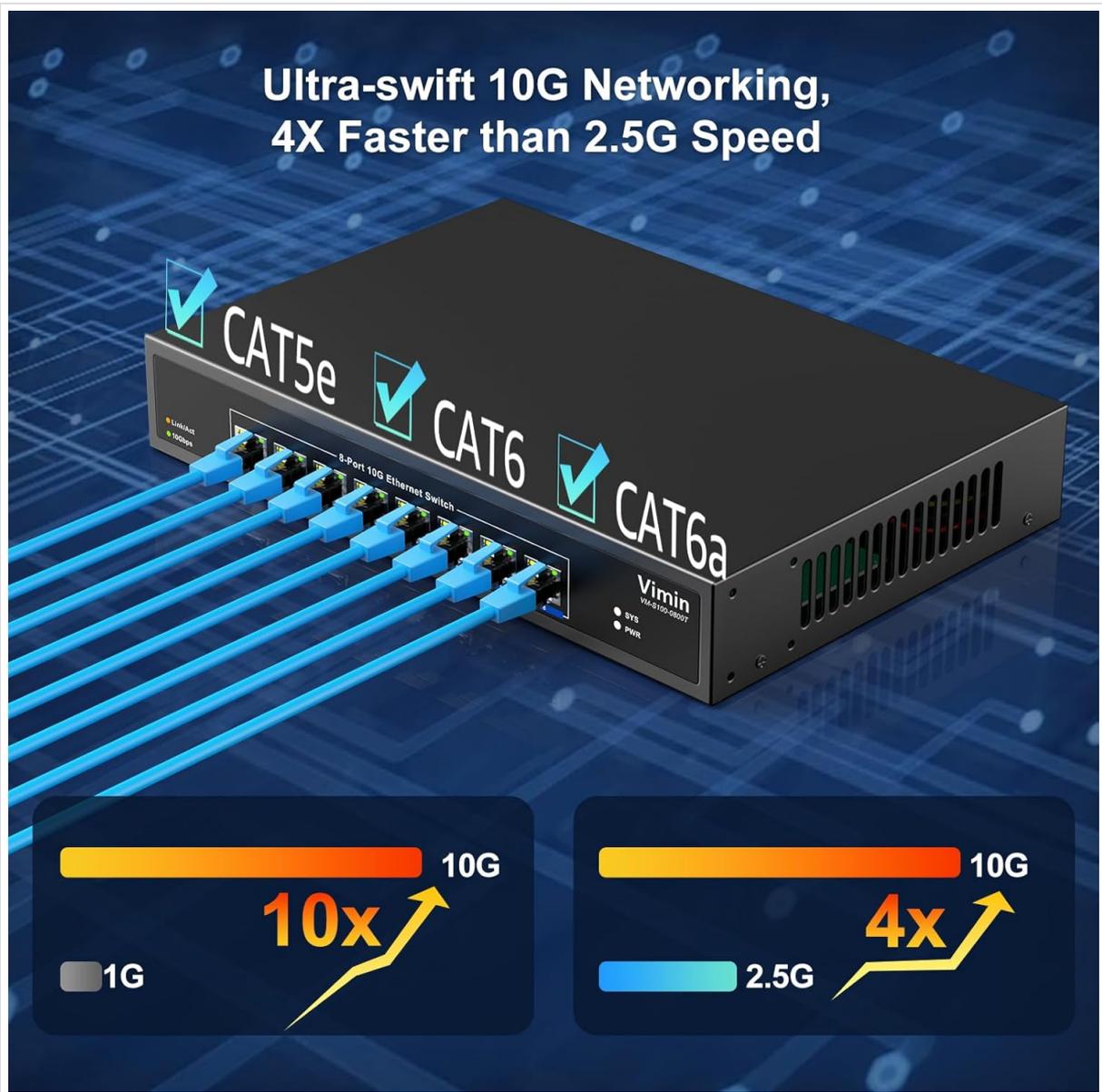


Image: A visual representation of the VIMIN 8-Port 10G Ethernet Switch connected to multiple devices such as a 10G NAS, PC, and WiFi 6 router, demonstrating its plug-and-play functionality.

4.2 Mounting Options

The VIMIN 8-Port 10G Ethernet Switch supports both desktop placement and 19-inch rack mounting, offering flexible deployment options for various environments.



Image: The VIMIN 8-Port 10G Ethernet Switch installed within a 19-inch rack, illustrating its rack-mount capability for organized network setups.

5. OPERATING

Once connected, the switch operates automatically. The auto-negotiation feature allows each port to detect the link speed of a connected network device (100M/1G/2.5G/5G/10G) and intelligently adjust for compatibility and optimal performance. The LED indicators on the front panel provide real-time status of the network connections.

LED Indicator Meanings

- **PWR (Red):** Solid red indicates the device is powered on.
- **SYS (Green):** Flashing green indicates normal operation.
- **Link/Act (Yellow/Green):** Yellow indicates 100M/1000M/2.5G/5G link/activity. Green indicates 10G link/activity.

Indicator of 10G Ethernet Switch

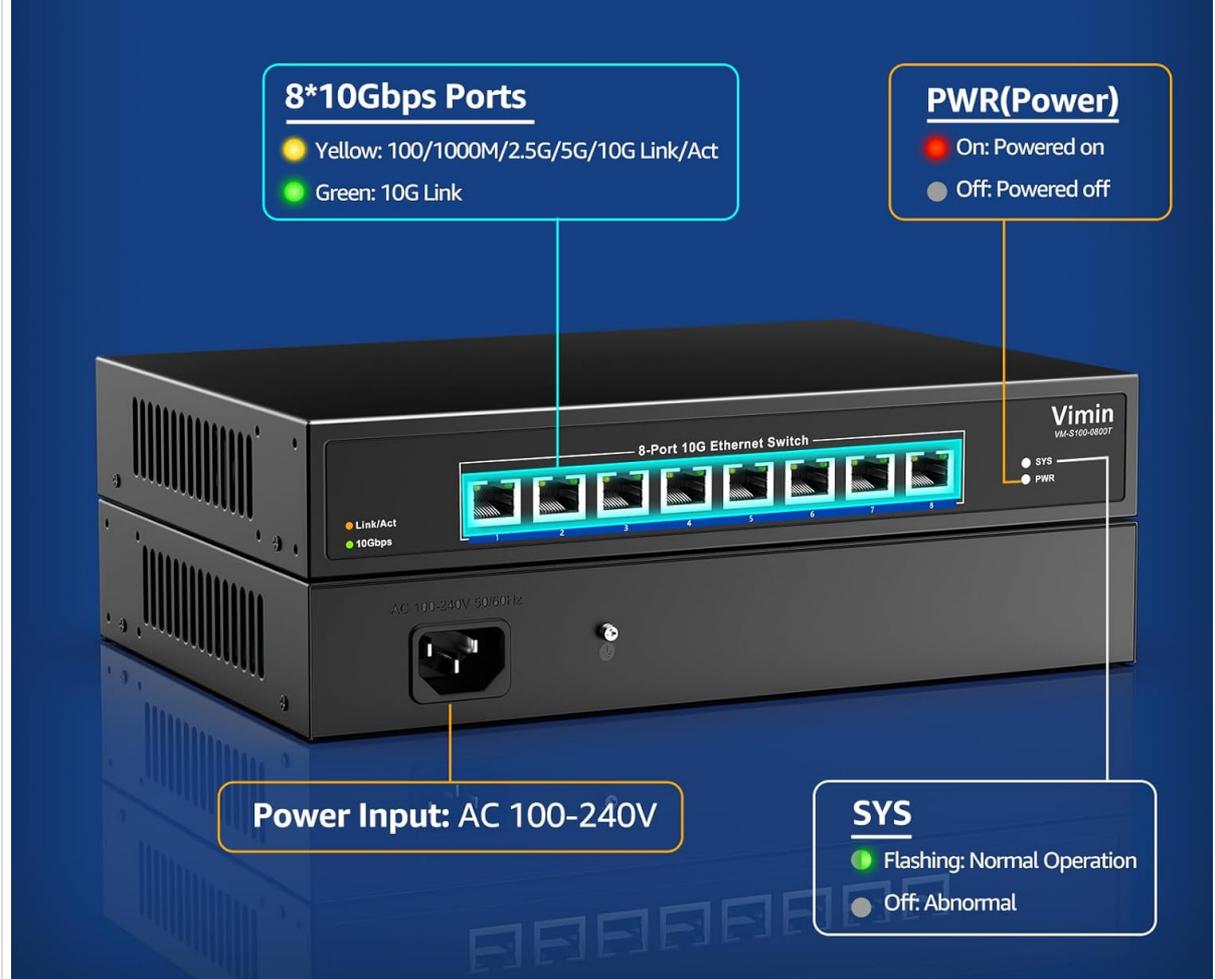


Image: A detailed diagram explaining the LED indicators on the VIMIN 8-Port 10G Ethernet Switch, showing what each color and state signifies for power, system, and port link/activity.

6. MAINTENANCE

To ensure optimal performance and longevity of your VIMIN 8-Port 10G Ethernet Switch, follow these maintenance guidelines:

- **Ventilation:** Ensure adequate airflow around the switch. Do not block the vents. The built-in fan helps maintain optimal operating temperatures.
- **Cleaning:** Regularly clean the exterior of the switch with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Environment:** Operate the switch within the specified temperature (0°C to 45°C) and humidity (10% to 90%) ranges. Avoid extreme conditions.
- **Cable Management:** Keep network cables organized to prevent strain on ports and improve airflow.

7. TROUBLESHOOTING

If you encounter issues with your VIMIN 8-Port 10G Ethernet Switch, refer to the following common troubleshooting steps:

- **No Power:** Check if the power adapter is securely connected to both the switch and a working power

outlet. Verify the PWR LED is illuminated.

- **No Link on Port:** Ensure the Ethernet cable is securely connected to both the switch port and the network device. Try a different cable or port. Verify the Link/Act LED is illuminated.
- **Slow Speed:** Confirm that both the switch and the connected device support the desired speed (e.g., 10G). Ensure you are using appropriate Ethernet cables (Cat6a or higher for 10G). Check the 10Gbps LED for the port.
- **Intermittent Connection:** Check for loose cable connections. Ensure the switch is in a well-ventilated area to prevent overheating.

8. SPECIFICATIONS

Feature	Description
Model Number	8x10G Ethernet (Unmanaged)
Number of Ports	8 x 100M/1000M/2.5G/5G/10G RJ45 Ports
Switching Capacity	160 Gbps
Jumbo Frame	12K
Forwarding Rate	119.04 Mpps
MAC Address Table	16K
Power Input	AC 110-240V
Lightning Protection	4KV
Operating Temperature	0°C to 45°C (32°F to 113°F)
Operating Humidity	10% to 90% RH, non-condensing
Dimensions (L x W x H)	10.67 x 7.15 x 1.75 inches
Item Weight	4.27 pounds

9. WARRANTY & SUPPORT

VIMIN products are designed for reliability and performance. For any technical assistance or warranty inquiries, please refer to the contact information provided with your purchase or visit the official VIMIN support website. Keep your purchase receipt for warranty claims.