Real HD 16 Port 2.5GB Switch Unmanaged

Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch User Manual

Model: 16 Port 2.5GB Switch Unmanaged | Brand: Real HD

Introduction

This manual provides essential information for the installation, operation, and maintenance of your Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch. This high-performance switch is designed to provide super-fast 2.5G connectivity for your network devices, featuring 16 x 2.5G RJ45 ports and 2 x 10G SFP+ ports. It offers a robust and quiet solution for upgrading your network to support the latest 2.5G Ethernet standard without complex configuration.

The device is built with a sturdy metal housing, includes 4KV lightning protection, and operates quietly due to its fanless design. It is compatible with existing Cat6, Cat6a, or Cat7 cables, simplifying network upgrades. Ideal for a wide range of Ethernet devices including 4K Video systems, laptops with 2.5G Ethernet adapters, WiFi 6 routers, WiFi 6 APs, 2.5G gaming PCs, and 2.5G NAS computers.

1. Setup

1.1 Unboxing and Package Contents

Carefully unpack the contents of the box. Ensure all components are present and undamaged. The package typically includes the 16 Port 2.5Gb Unmanaged Ethernet Network Switch, a power cable, and mounting ears for rack installation.

Your browser does not support the video tag.

Video: Unboxing and initial setup of a similar 2.5G Ethernet Switch. This demonstrates the typical components included and the initial connection process.

1.2 Physical Installation

The Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch can be installed on a desktop or mounted in a 19-inch rack. Its sturdy metal casing ensures durability in various environments.



Image: Front view of the Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch, showing the 16 RJ45 ports and 2 SFP+ ports.

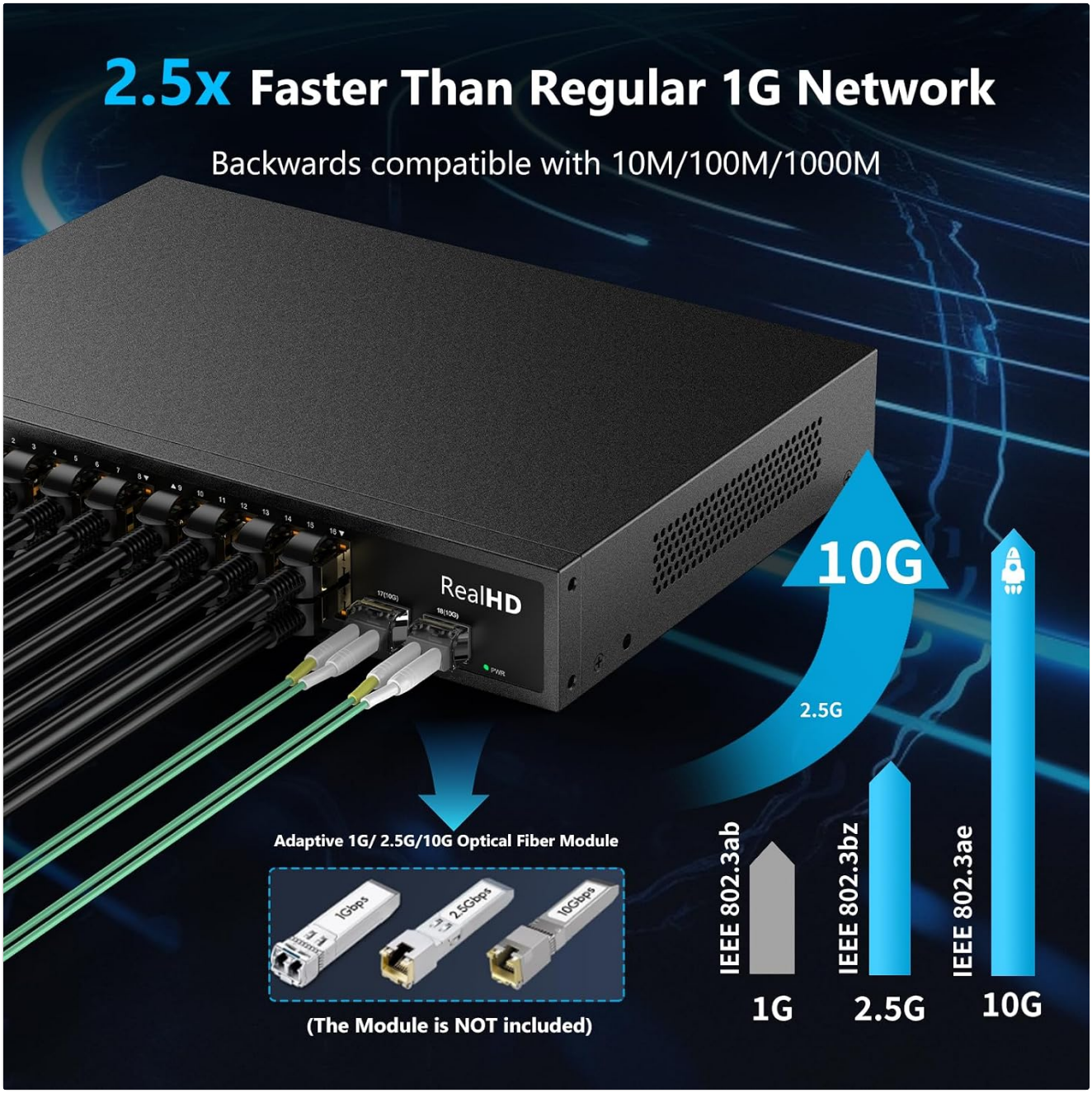


Image: Rear view of the switch, highlighting the AC power input (AC100-240V 50/60Hz) and ventilation.

For rack mounting, attach the provided mounting ears to the sides of the switch using the included screws. Secure the switch into a standard 19-inch rack.



Image: Visual representation of the switch being installed in a 19-inch rack, demonstrating its compatibility with standard rack systems.

1.3 Connecting the Switch (Plug and Play)

This unmanaged switch is designed for easy setup with no software installation or configuration required. Simply connect your devices.

1. **Power Connection:** Connect the power cable to the switch's AC input and then to a power outlet.
2. **Network Connection:** Connect your network devices (e.g., router, computer, NAS, gaming console) to the 16 x 2.5G RJ45 ports using Cat6, Cat6a, or Cat7 Ethernet cables for optimal performance.
3. **SFP+ Connections:** For 10G uplink, insert compatible 10G SFP+ modules (not included) into the 2 x 10G SFP+ ports and connect appropriate fiber optic cables.

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Video: Demonstrates the simple plug-and-play connection process for the 16-Port 2.5Gb Unmanaged Ethernet Switch, including power and network cables.

2. Operating the Switch

Once powered on and connected, the switch operates automatically. It is an unmanaged device, meaning it requires no user configuration for basic network functionality.

2.1 LED Indicators

The front panel of the switch features LED indicators to provide status information:

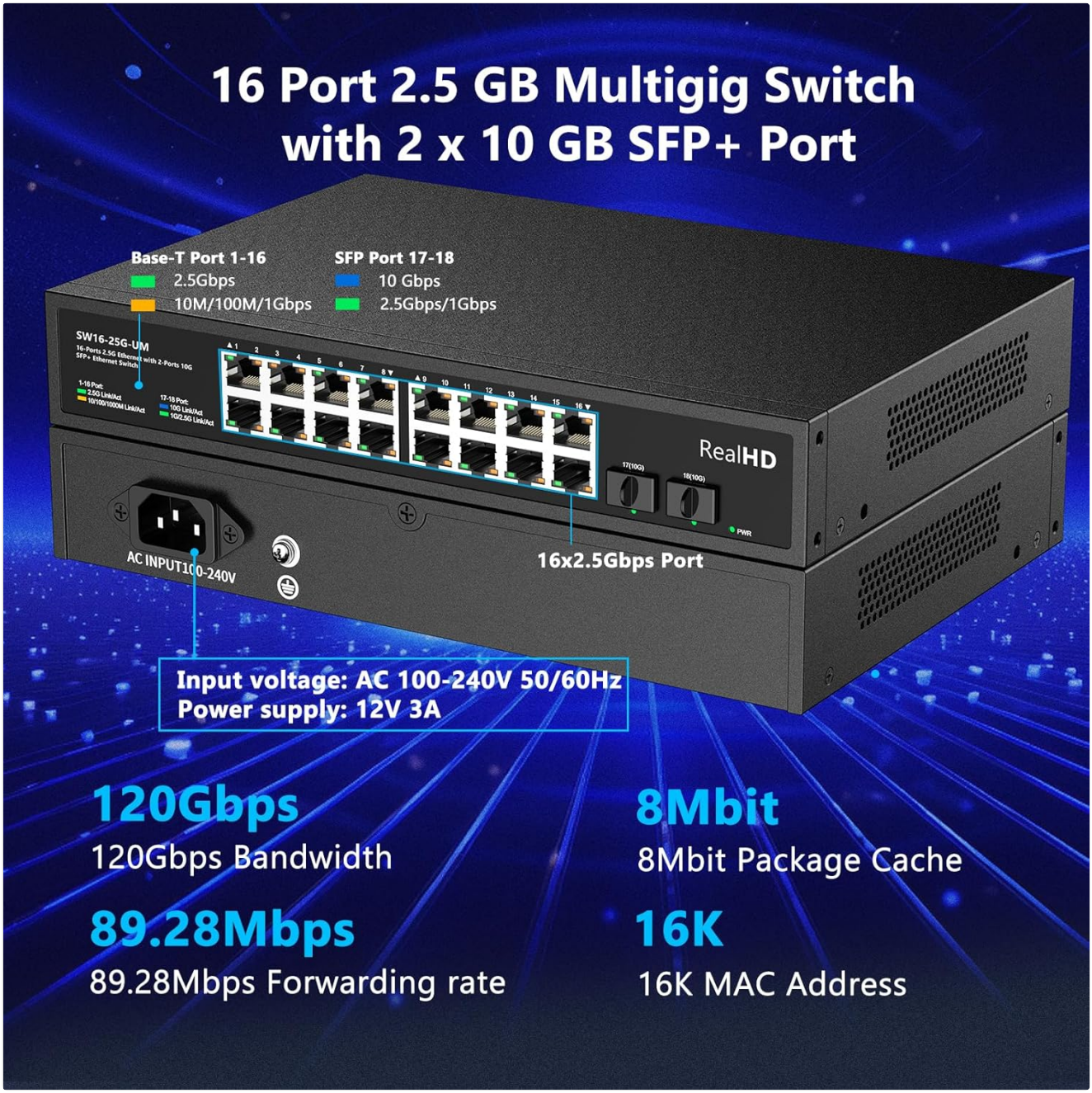


Image: Detailed view of the RJ45 and SFP+ ports with their corresponding LED indicators.

- **PWR LED:** Indicates the power status of the switch.
- **Link/Act (RJ45 Ports):**
  - **Yellow Light:** On for 10/100/1000/2500Mbps link. Blinking indicates data transfer.
  - **Green Light:** On for 2.5G link. Blinking indicates data transfer.
  - **Off:** The link is unavailable.
- **Link/Act (SFP+ Ports):**
  - **Green Light:** On for 1G/2.5G/10G link. Flashing indicates data transmission.
  - **Off:** The link is unavailable.

3. Maintenance

The Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch is designed for minimal maintenance.

- **Fanless Design:** The fanless design ensures quiet operation and reduces dust build-up, contributing to a

longer lifespan and less maintenance.



Image: Depiction of the fanless cooling design, emphasizing silent operation and reduced dust accumulation.

- **Environmental Conditions:** The sturdy metal housing and robust design allow operation in temperatures from -20°C to 50°C. Ensure proper ventilation around the device to prevent overheating.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.

4. Troubleshooting

- **No Power:**
  - Check if the power cable is securely connected to the switch and the power outlet.
  - Verify that the power outlet is functional.
- **No Link/Activity on a Port:**
  - Ensure the Ethernet cable is securely connected to both the switch port and the connected device.
  - Try a different Ethernet cable to rule out cable failure.
  - Verify the connected device is powered on and functioning correctly.
  - For 2.5G speeds, ensure you are using Cat6, Cat6a, or Cat7 cables.
- **Slow Network Speed:**
  - Confirm that all connected devices and cables support 2.5G speeds. The network speed will be determined by the lowest speed device in the chain.
  - Ensure you are using high-quality Cat6, Cat6a, or Cat7 cables.
  - Check for network congestion or issues with your internet service provider.

5. Specifications

Feature	Description
Model Number	16 Port 2.5GB Switch Unmanaged
Brand	Real HD
Number of Ports	16 x 2.5G Base-T RJ45, 2 x 10G SFP+

Data Transfer Rate	10/100/1000/2500Mbps (RJ45), 1G/2.5G/10G (SFP+)
Bandwidth	120G
Case Material	Metal
Cooling	Fanless
Operating Temperature	-20°C to 50°C
Lightning Protection	4KV
Mounting	19-inch Rack Mount, Desktop
Compatible Devices	Desktop, Router, Laptop, Gaming console, 4K Video, WiFi 6 AP, 2.5G NAS

6. Warranty

Specific warranty details for the Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch may vary. Please refer to the product packaging or contact Real HD customer support for the most accurate and up-to-date warranty information.

7. Support

For technical assistance, troubleshooting, or further inquiries regarding your Real HD 16 Port 2.5Gb Unmanaged Ethernet Network Switch, please visit the official Real HD website or contact their customer support team. Contact information can typically be found on the product packaging or the brand's official online store.

You can visit the Real HD Store on Amazon for more product information and support resources.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question