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ZOZ03Y0 Hi-K0402WS

ZOZ03Y0 Hi-K0402WS 4-Port 2.5G Ethernet Switch User Manual

Model: Hi-K0402WS

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, configuration, and operation of your ZOZ03Y0 Hi-K0402WS 4-Port 2.5G Ethernet Switch. This device is designed to enhance your network's performance with high-speed connectivity, featuring 2.5 Gigabit Ethernet ports and 10 Gigabit SFP ports for versatile network expansion. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

2. PRODUCT OVERVIEW

The ZOZ03Y0 Hi-K0402WS is a high-performance, non-PoE Ethernet switch engineered for demanding network environments. It features four 2.5 Gigabit Ethernet RJ45 ports and two 10 Gigabit SFP ports, providing flexible connectivity options for various devices such as IP cameras, wireless access points, and high-bandwidth workstations.

4 Port 2.5G Non-PoE Ethernet Switch

Cat 6 and above unshielded twisted pair

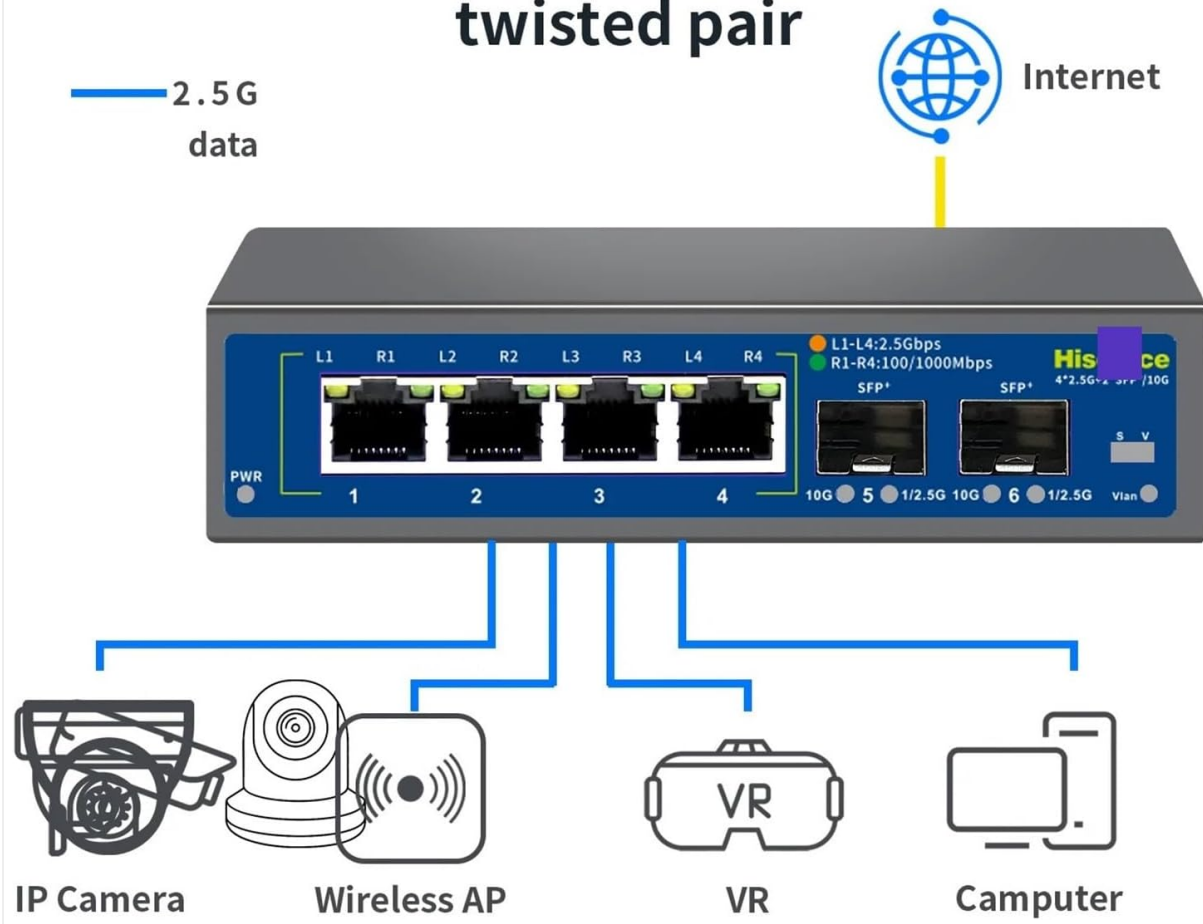


Figure 2.1: ZOZ03Y0 Hi-K0402WS Switch Connectivity Diagram. This image illustrates the front panel of the 4-port 2.5G Ethernet switch, highlighting its four 2.5G RJ45 ports and two 10G SFP ports. It also shows typical applications, including connecting to the internet, IP cameras, wireless access points, VR devices, and computers, emphasizing the use of Cat 6 or above unshielded twisted pair cables for 2.5G data transmission.

2.1. Key Features

- **High-Speed Connectivity:** Four 2.5 Gigabit Ethernet RJ45 ports for fast local network connections.
- **Fiber Optic Expansion:** Two 10 Gigabit SFP ports for high-bandwidth uplinks or long-distance fiber connections.
- **Non-PoE Design:** Optimized for devices that do not require Power over Ethernet.
- **Plug-and-Play:** Simple setup with no complex configuration required.
- **Robust Performance:** 60Gbps switching capacity and 44.64Mpps packet forwarding rate.
- **Lightning Protection:** Built-in 4KV lightning protection for enhanced durability.

3. PACKAGE CONTENTS

Please verify the contents of your package. If any item is missing or damaged, contact your vendor immediately.

- ZOZ03Y0 Hi-K0402WS 4-Port 2.5G Ethernet Switch
- Power Adapter (EU Plug)
- User Manual

4. HARDWARE INSTALLATION (SETUP)

Follow these steps to properly install your Ethernet switch:

1. **Power Off Devices:** Before connecting, ensure all devices (router, computers, IP cameras, etc.) are powered off.
2. **Connect Network Cables:**
 - Connect your router or main network device to any of the 2.5G RJ45 ports (L1-L4) on the switch using a Cat 6 or higher unshielded twisted pair Ethernet cable.
 - Connect your network devices (e.g., IP cameras, wireless APs, computers) to the remaining 2.5G RJ45 ports (L1-L4).
 - For high-speed uplinks or fiber connections, insert compatible SFP+ modules into the 10G SFP ports (5-6) and connect appropriate fiber optic cables.
3. **Connect Power:** Plug the provided EU power adapter into the switch's power input and then into a standard electrical outlet.
4. **Power On:** Power on the switch. The PWR LED indicator should illuminate. Then, power on your connected network devices.
5. **Verify Connections:** Check the Link/Act LEDs for each connected port. A solid green or blinking light indicates a successful connection and data activity.

Note: For optimal 2.5G performance, use Cat 6 or higher Ethernet cables. For 10G SFP connections, ensure compatible SFP+ modules and fiber optic cables are used.

5. OPERATING THE SWITCH

5.1. LED Indicators

LED Indicator	Status	Description
PWR	Solid Green	The switch is powered on.
L1-L4 (2.5G RJ45 Ports)	Solid Green	A device is connected at 2.5Gbps.
	Blinking Green	Data is being transmitted or received at 2.5Gbps.
SFP+ (10G SFP Ports)	Solid Green	A device is connected at 10Gbps.
	Blinking Green	Data is being transmitted or received at 10Gbps.

5.2. Basic Operation

The ZOZ03Y0 Hi-K0402WS is a plug-and-play device. Once connected and powered on, it will automatically detect connected devices and negotiate the optimal speed. No software configuration is typically required for basic network extension.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure the switch is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Environment:** Avoid exposing the switch to extreme temperatures, humidity, or direct sunlight.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bending to maintain optimal performance.

7. TROUBLESHOOTING

If you encounter issues with your switch, refer to the following troubleshooting tips:

- **No Power:**
 - Ensure the power adapter is securely connected to the switch and a working electrical outlet.
 - Verify the power outlet is functional by plugging in another device.
 - Check if the PWR LED is illuminated.
- **No Link/Connection:**
 - Ensure Ethernet cables are securely plugged into both the switch and the connected device.
 - Verify that the connected device is powered on and functioning correctly.
 - Try a different Ethernet cable to rule out cable failure.
 - For 2.5G connections, ensure you are using Cat 6 or higher cables.
 - For SFP+ ports, ensure the SFP+ module is correctly inserted and compatible, and the fiber cable is intact.
 - Check the Link/Act LED for the specific port. If it's off, there's no link.
- **Slow Network Speed:**
 - Ensure all connected devices and cables support 2.5G or 10G speeds as appropriate.
 - Check for network congestion on your main router or other network devices.
 - Verify cable quality; damaged or low-quality cables can degrade performance.
- **Intermittent Connection:**
 - Check for loose cable connections.
 - Ensure the switch is not overheating; provide adequate ventilation.
 - Test with different cables and devices to isolate the problem.

8. SPECIFICATIONS

2.5G Non-PoE Switch



Product Name	Model
2.5G +10G Non-PoE Switch	Hi-K0402WS
Packet Forwarding Rate	Switching Capacity
44.64Mpps	60Gbps
Transmission	Lightning protection
100m	4KV

Figure 8.1: ZOZ03Y0 Hi-K0402WS Product Specifications and Application Overview. This image displays a table of key specifications for the Hi-K0402WS model, including its 2.5G + 10G Non-PoE Switch type, 44.64Mpps packet forwarding rate, 100m transmission distance, 60Gbps switching capacity, and 4KV lightning protection. It also shows an application diagram with connections to computer offices, wireless APs, IP cameras, and IP phones.

Feature	Specification
Model Number	Hi-K0402WS
Switch Type	Ethernet, Non-PoE

Feature	Specification
Ethernet Ports	4 x 2.5G RJ45 Ports
SFP Ports	2 x 10G SFP Ports
Ethernet Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3bz
Transmission Rate	10000 Mbps (10G SFP), 2500 Mbps (2.5G RJ45)
Switch Capacity	60Gbps
Packet Forwarding Rate	44.64Mpps
MAC Address Table	4K
Communication Mode	Full-Duplex & Half-Duplex
Lighting Protection	4KV
Transmission Distance	100M (RJ45)
Plug Type	EU Plug (for this specific model variant)
Item Weight	1.76 ounces (50 Grams)
Package Dimensions	1.18 x 0.79 x 0.39 inches

9. WARRANTY AND SUPPORT

9.1. Warranty Information

ZOZ03Y0 products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact your point of purchase. Keep your purchase receipt as proof of purchase for warranty claims.

9.2. Technical Support

If you require technical assistance or have questions not covered in this manual, please contact your vendor or the ZOZ03Y0 customer support team. Contact information can typically be found on the product packaging or the official ZOZ03Y0 website.