EXTRALINK 5902560368222

EXTRALINK VICTOR Managed PoE Switch User Manual

Model: 5902560368222

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the EXTRALINK VICTOR Managed PoE Switch. This device is designed to provide reliable and efficient network connectivity with Power over Ethernet (PoE) capabilities, suitable for various applications including Wi-Fi APs, IP cameras, and IP phones.
The EXTRALINK VICTOR EX-2500G-10MPS is a Full Gigabit Managed PoE Switch featuring 8x 10/100/1000M TX ports, 2 SFP ports, and 1 Console port, offering robust network management and power delivery.

2. Product Features

- 8-port managed PoE switch ideal for powering Wi-Fi APs, IP cameras, Wi-Fi bridges, and IP phones.
- Supports IEEE 802.3af/at standards for automatic device detection and power supply.
- Supports Auto MDI/MDIX for stable connections on each port.
- Features 4 operating modes: QOS, EXTEND, VLAN, and AI PS.
- QOS mode improves video data processing, suitable for surveillance cameras.
- VLAN mode offers 1-8 port isolation, enhancing network performance.
- Complete security mechanisms and easy management.
- Power saving mode on unused ports.
- Protection for power circuit and connected devices.

3. Package Contents

Verify that all items are present and in good condition. If any item is missing or damaged, contact your vendor immediately.

- EXTRALINK VICTOR Managed PoE Switch (1 unit)

Note: Power cord and network cables are typically sold separately unless specified by your vendor.

4. Product Specifications

Specification	Value
Model Number	5902560368222
Brand	EXTRALINK
Number of Ports	10 (8x PoE/PoE+, 2x SFP) + 1 Console Port
Interface Type	SFP, PoE
Maximum Power Output	150 Watts
Data Transfer Rate	100 Megabytes Per Second (Gigabit Ethernet)
Product Dimensions	1.1 x 9.7 x 6.5 inches
Item Weight	2.2 pounds (1 Kilogram)
Color	Black
Compatible Devices	IP Cameras, IP Phones, Wi-Fi APs, Wi-Fi Bridges

5. Safety Information

Please read and understand all safety instructions before operating this device. Failure to do so may result in injury or damage to the device.

- Ensure the power supply voltage is compatible with the device's requirements.
- Do not expose the device to water, moisture, or extreme temperatures.
- Place the device on a stable, flat surface with adequate ventilation.
- Do not open the device casing. Refer all servicing to qualified personnel.
- Disconnect power before cleaning or moving the device.

6. Setup and Installation

Follow these steps to set up your EXTRALINK VICTOR Managed PoE Switch:

6.1 Physical Placement

Choose a location that is dry, well-ventilated, and away from direct sunlight or heat sources. Ensure there is enough space around the switch for proper airflow.



Figure 6.1: Example setup of the EXTRALINK VICTOR PoE Switch in a network environment.

6.2 Connecting Power

Connect the power cord to the power input port on the rear panel of the switch and then plug it into a standard AC power outlet. The power LED indicator on the front panel should illuminate.



Figure 6.2: Rear panel of the switch with power input.

6.3 Network Connections

Connect your network devices (e.g., IP cameras, Wi-Fi APs, computers) to the 8 Gigabit PoE/PoE+ ports using standard Ethernet cables. For uplink connections or fiber optic connections, use the 2 SFP ports.



Figure 6.3: Front panel of the switch with network ports.



Figure 6.4: Network cables connected to the switch.

6.4 Console Port (for Advanced Management)

The console port allows for command-line interface (CLI) access for advanced configuration and management. Connect a console cable (not included) from your computer to this port for direct access.

7. Operating Modes

The EXTRALINK VICTOR PoE Switch features four distinct operating modes, selectable via DIP switches on the front panel.



Figure 7.1: DIP switches for operating mode selection.



Figure 7.2: Another view of the DIP switches.

7.1 QOS (Quality of Service) Mode

When QOS mode is enabled, the switch prioritizes video data processing. This mode is ideal for surveillance systems and applications where consistent video streaming quality is critical, minimizing latency and packet loss for video traffic.

7.2 EXTEND Mode

EXTEND mode allows for extended Power over Ethernet (PoE) transmission distances beyond the standard 100 meters (328 feet). This is particularly useful for deploying PoE devices in remote locations without needing additional power sources or repeaters. In this mode, the data rate might be reduced to accommodate the longer distance.

7.3 VLAN (Virtual Local Area Network) Mode

VLAN mode provides port isolation, specifically isolating ports 1-8 from each other while allowing them to communicate with the uplink ports (SFP ports). This enhances network security by preventing direct communication between connected devices on different ports and improves network performance by reducing broadcast traffic within isolated segments.

7.4 AI PS (Artificial Intelligence Power Supply) Mode

AI PS mode intelligently manages the power supply to connected PoE devices. This mode can detect and automatically restart unresponsive PoE devices, ensuring continuous operation and reducing the need for manual intervention. It also optimizes power consumption.

8. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your switch.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners. Ensure the ventilation openings are free from dust and debris.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated can improve performance, add new features, and address security vulnerabilities.
- **Environmental Check:** Ensure the operating environment remains within the recommended temperature and humidity ranges.

9. Troubleshooting

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

No Power / Power LED Off:

- Ensure the power cord is securely connected to both the switch and the power outlet.
- Verify that the power outlet is functional by plugging in another device.
- Check the power adapter (if external) for any damage.

No Link / Link LED Off:

- Check if the Ethernet cable is properly connected to both the switch port and the network device.
- Try a different Ethernet cable.
- Ensure the connected device is powered on and functioning correctly.
- Verify that the correct port is being used (e.g., not trying to connect a non-PoE device to a PoE-only port if applicable).

PoE Device Not Receiving Power:

- Ensure the connected device is PoE-compatible (IEEE 802.3af/at).

- Check the total power budget of the switch (150W). If too many high-power devices are connected, some may not receive power.
- Try connecting the device to a different PoE port.
- Verify the Ethernet cable is a standard Cat5e/6 cable capable of carrying PoE.

Network Performance Issues:

- Check for excessive network traffic or loops.
- Ensure the operating mode (QOS, VLAN, EXTEND) is correctly configured for your network needs.
- If using EXTEND mode, be aware that data rates may be reduced.

If the problem persists after trying these steps, please contact EXTRALINK customer support.

10. Warranty and Support

EXTRALINK provides a **36-month warranty** for this Ethernet switch, covering defects in materials and workmanship under normal use. This warranty period begins from the date of purchase.
For technical support, warranty claims, or further assistance, please contact EXTRALINK customer service through their official website or the contact information provided with your purchase. Please have your model number (5902560368222) and purchase details ready when contacting support.
For more information, visit the official EXTRALINK website:www.extralink.com

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