

Tenveo TEVO-PoE8

Tenveo TEVO-PoE8 8-Port Full Gigabit PoE Switch User Manual

Model: TEVO-PoE8

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Tenveo TEVO-PoE8 8-Port Full Gigabit PoE Switch. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

The Tenveo TEVO-PoE8 is an 8-port Full Gigabit Power over Ethernet (PoE) switch designed for reliable network connectivity and power delivery to compatible devices. It features 8 PoE+ ports and 2 Gigabit uplink ports, supporting high-speed data transfer and efficient power management for various applications such as IP cameras, wireless access points, and other network devices.

2. PRODUCT OVERVIEW

2.1 Key Features

- **8 PoE+ Ports:** Delivers up to 30W per port with a total PoE budget of 120W, compliant with IEEE 802.3af/at standards.
- **2 Gigabit Uplink Ports:** Provides high-speed connections to routers or other network switches.
- **Full Gigabit Speeds:** All ports support 10/100/1000 Mbps for fast data transfer.
- **Plug & Play:** Simple setup with no configuration required for basic operation.
- **VLAN Support:** Enhances network security and traffic management by isolating ports.
- **Durable Metal Housing:** Ensures effective heat dissipation and protection against physical damage and electromagnetic interference.
- **Silent Operation:** Fanless design suitable for noise-sensitive environments.
- **Comprehensive Protections:** Includes overload current protection and short-circuit prevention.

2.2 Package Contents

Verify that all items are present in the package:

- Tenveo PoE Switch (TEVO-PoE8)
- Power Cable
- User Manual (this document)



Image: The Tenveo TEVO-PoE8 PoE Switch with its power cable and user manual.

3. SETUP INSTRUCTIONS

3.1 Physical Placement

The switch can be placed on a desktop or mounted on a wall. Ensure adequate ventilation around the device to prevent overheating.



Image: The Tenveo PoE switch shown in both desktop and wall-mounted configurations for flexible installation.

3.2 Connecting Devices

1. **Connect Power:** Plug the provided power cable into the switch's power input and then into a standard electrical outlet. The power indicator light on the switch will illuminate.
2. **Connect PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, wireless access points) to any of the 8 PoE+ ports (ports 1-8) using standard Ethernet cables (Cat5e or higher recommended for optimal

performance and distance). The switch will automatically detect and provide power to these devices.

3. **Connect Uplink:** Connect one of the 2 Gigabit uplink ports (ports 9-10) to your router, modem, or main network switch using a standard Ethernet cable. These ports do not provide PoE.



Image: Connection diagram illustrating how to connect various devices like cameras, phones, and access points to the PoE ports, and a router/controller to the uplink ports.

8*PoE + 2*Uplink Ports

Full 1000Mbps High Speed

IEEE 802.3af/at
Standard

120W Max.
Total Outout Power

30W Max.
Outout Power Per Port

8 1000 Mbps
PoE Ports

2 1000 Mbps
UpLink Ports

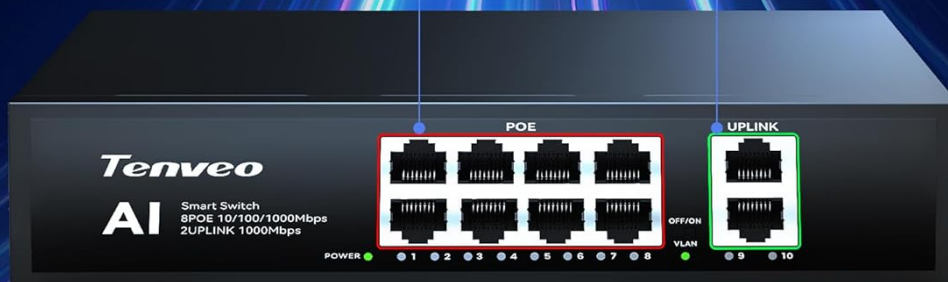


Image: Illustration of Power over Ethernet (PoE) functionality, showing how the switch powers up to 8 high-power devices simultaneously, with a maximum of 30W per port and 120W total.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

The Tenveo TEVO-PoE8 is a plug-and-play device. Once powered on and connected, it will automatically detect and configure connected devices. Data transfer and power delivery will commence without further user intervention. Each port has an indicator light. A solid light typically indicates a stable link, while a blinking light indicates data activity. For PoE ports, an additional indicator may show PoE power status.

4.2 VLAN Mode

The switch supports a VLAN (Virtual Local Area Network) mode to enhance network security and manage traffic. This mode allows you to logically segment your network, isolating devices connected to different PoE ports from each other, while still allowing them to communicate with the uplink ports.

To activate VLAN mode, locate the VLAN switch on the device (typically a physical toggle switch). When VLAN mode is ON, ports 1-8 will be isolated from each other but can communicate with uplink ports 9-10. When VLAN

mode is OFF (default), all ports can communicate with each other.

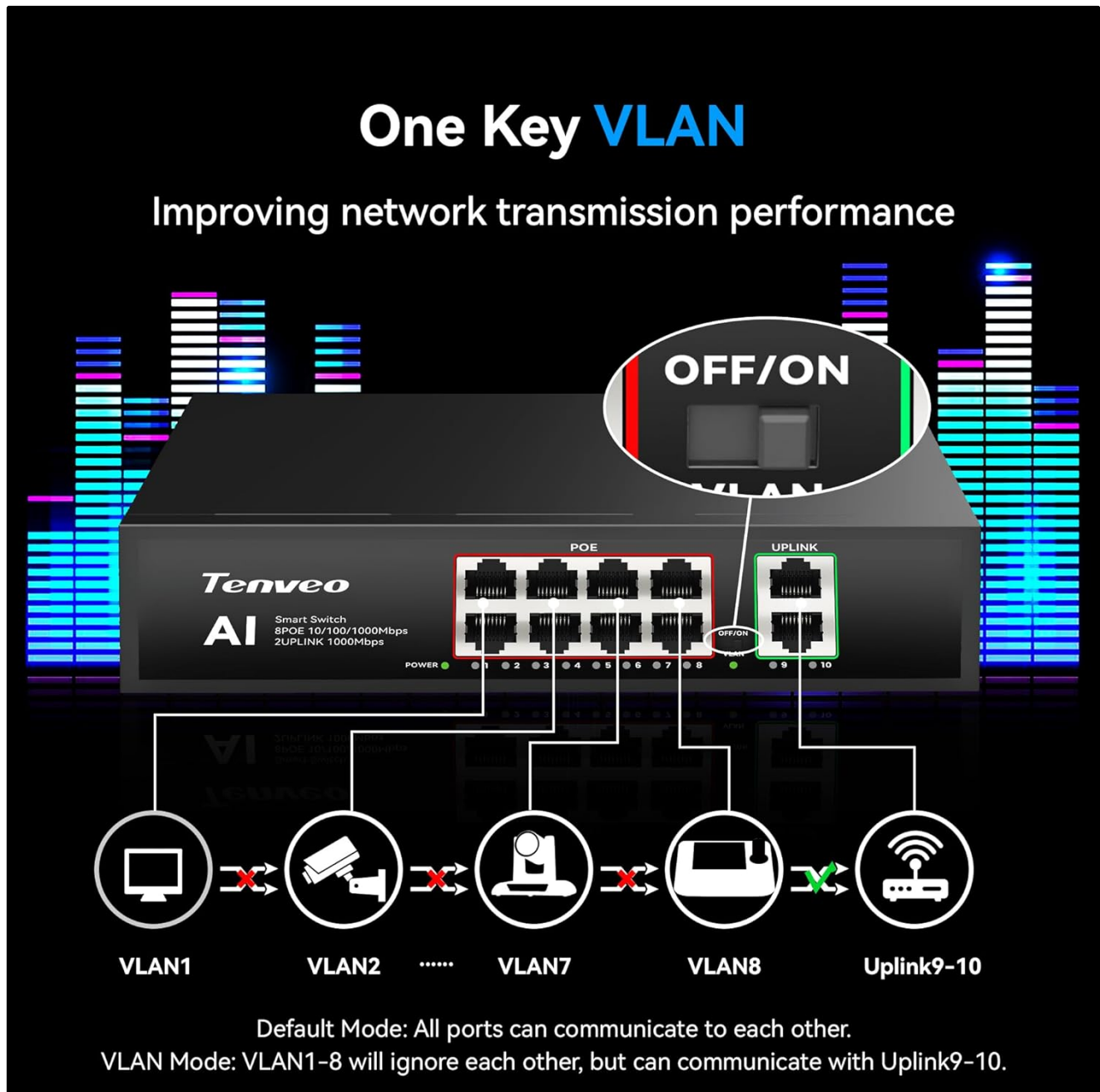


Image: The VLAN switch on the Tenveo PoE8, showing how enabling VLAN mode isolates PoE ports from each other while maintaining connectivity to uplink ports.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Do not place the switch in an enclosed space without airflow.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to maintain optimal performance.
- **Firmware Updates:** While this is a plug-and-play switch, periodically check the manufacturer's website for any available firmware updates that might improve performance or address issues.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power indicator light	Power cable not connected or power outlet is faulty.	Ensure the power cable is securely connected to the switch and a working power outlet. Test the outlet with another device.
Device connected to PoE port is not powering on	Device is not PoE compatible, cable is faulty, or total PoE budget exceeded.	Verify the device is IEEE 802.3af/at compliant. Test with a different Ethernet cable. Check if the total power consumption of all connected PoE devices exceeds 120W.
No data transmission on a port	Faulty Ethernet cable, incorrect port connection, or VLAN mode enabled.	Replace the Ethernet cable. Ensure the cable is securely connected to both the switch and the device. If VLAN mode is ON, ensure the devices need to communicate via the uplink port.
Slow network speed	Cable quality, network congestion, or device limitations.	Use Cat5e or Cat6 Ethernet cables. Check for other high-bandwidth activities on the network. Ensure connected devices support Gigabit speeds.

7. SPECIFICATIONS

Feature	Detail
Brand	Tenveo
Model Number	TEVO-PoE8
Number of Ports	10 (8 PoE+, 2 Uplink)
PoE Standard	IEEE 802.3af/at
Max Output Power Per PoE Port	30W
Total PoE Power Budget	120W
Data Transfer Rate	10/100/1000 Mbps (Gigabit)
Switch Type	Easy Smart Managed (VLAN feature)
Interface	RJ45
Operating Temperature	10°C to 55°C (50°F to 131°F)
Dimensions (L x W x H)	7.95" x 5.5" x 1.77"
Item Weight	0.9 Kilograms
Housing	Metal Case

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Tenveo TEVO-PoE8 PoE Switch comes with a **3-year standard parts and labor warranty**. This warranty

covers defects in materials and workmanship under normal use.

Additionally, Tenveo offers a **30-day no-questions-asked money-back guarantee** for risk-free purchase.

8.2 Technical Support

Tenveo provides lifetime technical support for this product. If you encounter any issues or have questions regarding setup or operation, please contact Tenveo customer service. Remote assistance for setup can be provided if necessary.

Contact information can typically be found on the official Tenveo website or through your purchase platform.



Image: Tenveo customer support details, highlighting warranty and technical assistance.

9. PRODUCT VIDEO

Your browser does not support the video tag.

Video: An official Tenveo video demonstrating the 8-Port PoE Switch in a multi-camera live streaming setup, showcasing its functionality and ease of integration.