LINOVISION POE-SWR308G25

LINOVISION POE-SWR308G25 2.5G Cloud Managed PoE Switch User Manual

Model: POE-SWR308G25

1. PRODUCT OVERVIEW

The LINOVISION POE-SWR308G25 is a 2.5G Cloud Managed Power over Ethernet (PoE) Switch designed for high-speed network applications. It features 8 x 2500Mbps PoE ports and a 10G SFP uplink port, providing efficient data transmission and power delivery for various devices.
Key features include:

- **Cloud Management:** Remote monitoring and control of PoE ports, including power on/off, speed, priority, and PoE budget settings. Includes one year of free subscription.
- **2.5G PoE Ports:** Eight 2500Mbps PoE ports for 2.5x faster internet speed over standard Cat5E/Cat6 cables. Auto-adaptive 10/100/1000M/2.5G.
- **10G SFP Uplink:** Supports 10Gbps SFP modules, also compatible with 1G or 2.5G SFP modules (SFP module not included).
- **High PoE Power Budget:** Total 130W PoE power, with each port supporting up to 30W (IEEE802.3af/at).
- **Basic L2 Management:** Supports VLAN and QoS settings via local web GUI.

2. PACKAGE CONTENTS

Verify the contents of your package. If any items are missing or damaged, please contact your vendor.

- 1 x LINOVISION POE-SWR308G25 2.5G Cloud Managed PoE Switch
- 1 x 150W Power Adapter
- 1 x User Manual

Package Contents

POE-SWR308G25

150W Power Adapter

User Maunal

Image: Contents of the LINOVISION POE-SWR308G25 package, including the switch, power adapter, and user manual.

3. HARDWARE INTERFACE

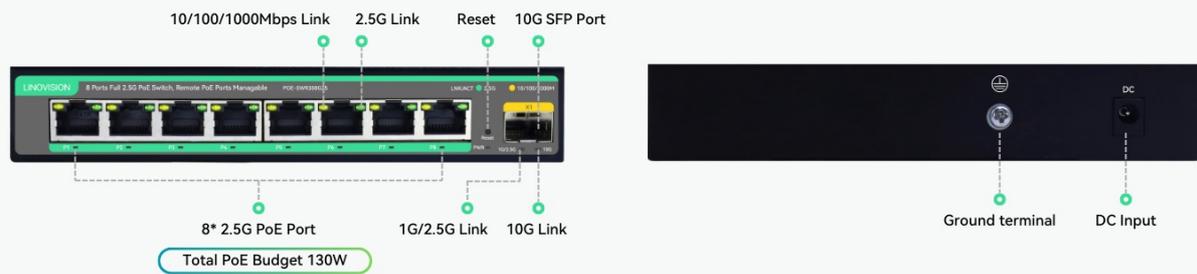Familiarize yourself with the ports and indicators on the switch.

Image: Detailed diagram of the switch's front and rear panels, showing 8x 2.5G PoE ports, 10G SFP port, Reset button, Ground terminal, and DC Input.

- **8 x 2.5G PoE Ports:** RJ45 ports supporting 10/100/1000Mbps/2.5G Ethernet and Power over Ethernet (PoE).
- **10G SFP Port:** Slot for a 1G, 2.5G, or 10G SFP/SFP+ optical fiber module for uplink connections.
- **Reset Button:** Used to reset the device to factory defaults.
- **Ground Terminal:** For connecting a grounding wire to ensure electrical safety.
- **DC Input:** Power input for the included 150W power adapter.
- **LED Indicators:** Separate indicators for 10/100/1000Mbps Link, 2.5G Link, and 10G Link status.

4. SETUP INSTRUCTIONS

4.1 Physical Installation

1. Place the switch on a stable, flat surface or mount it in a suitable rack (mounting hardware not included). Ensure adequate ventilation around the device.
2. Connect a grounding wire to the Ground terminal on the rear panel for electrical safety.

4.2 Power Connection

1. Connect the provided 150W power adapter to the DC Input port on the rear panel of the switch.
2. Plug the power adapter into a standard AC power outlet. The power LED on the switch should illuminate.

4.3 Network Connections

1. **Connecting PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, WiFi 6 APs, VoIP phones) to any of the 8x 2.5G PoE ports using standard Cat5e/Cat6 Ethernet cables. The switch will automatically detect and power these devices.
2. **Connecting Non-PoE Devices:** Connect non-PoE network devices (e.g., computers, NAS) to any of the 8x 2.5G ports.
3. **Uplink Connection:** For connecting to your router or core network, insert a compatible 1G, 2.5G, or 10G SFP/SFP+ module (not included) into the 10G SFP port. Then, connect a fiber optic cable from the SFP module to your router or network device.
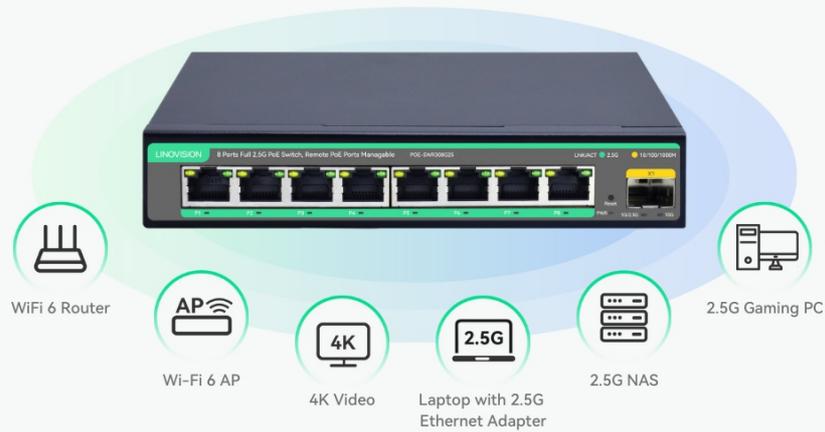
Image: Diagram illustrating various connection scenarios for the switch, including WiFi 6 APs, 4K video devices, 2.5G gaming PCs, and 2.5G NAS.

5. OPERATING INSTRUCTIONS

5.1 Cloud Management

The LINOVISION POE-SWR308G25 supports cloud management for remote monitoring and control. This feature allows you to manage your PoE ports from a central cloud platform, such as LINOVISION RemoteMonit.com or other compatible third-party cloud services.

- **Remote PoE Port Control:** Turn PoE power on or off for individual ports.
- **Port Speed Limit:** Configure bandwidth limits for specific ports.
- **PoE Power Control:** Adjust the power budget allocated to ports.
- **Port Priority:** Set priority levels for PoE devices.

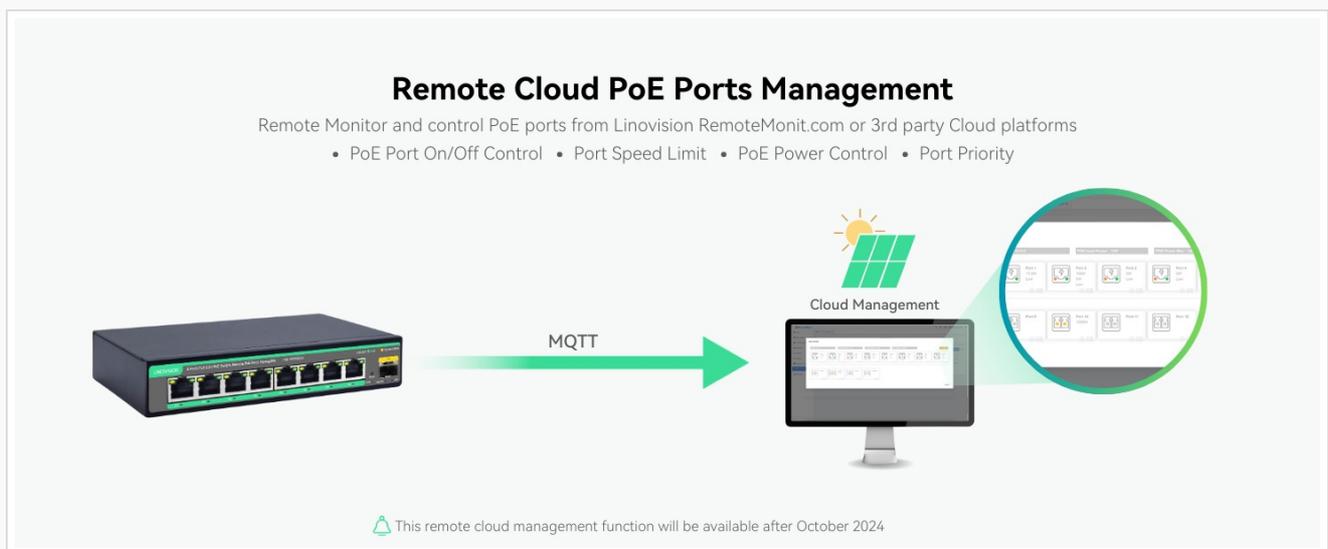*Note: This remote cloud management function is expected to be available after October 2024.*

Image: Diagram showing the switch connecting via MQTT to a cloud management interface on a laptop, illustrating remote control capabilities.

5.2 Local Web GUI Management

The switch also supports basic Layer 2 management functions via a local web-based graphical user interface (GUI).

To access the web GUI:

1. Connect a computer to any of the switch's Ethernet ports.
2. Configure your computer's IP address to be in the same subnet as the switch's default IP address (refer to the specifications or default settings for the IP address).
3. Open a web browser and enter the switch's IP address.
4. Log in using the default username and password (refer to the specifications or default settings).

Within the web GUI, you can configure settings such as:

- **VLAN (Virtual Local Area Network):** Segment your network for improved security and performance.
- **QoS (Quality of Service):** Prioritize network traffic for critical applications.
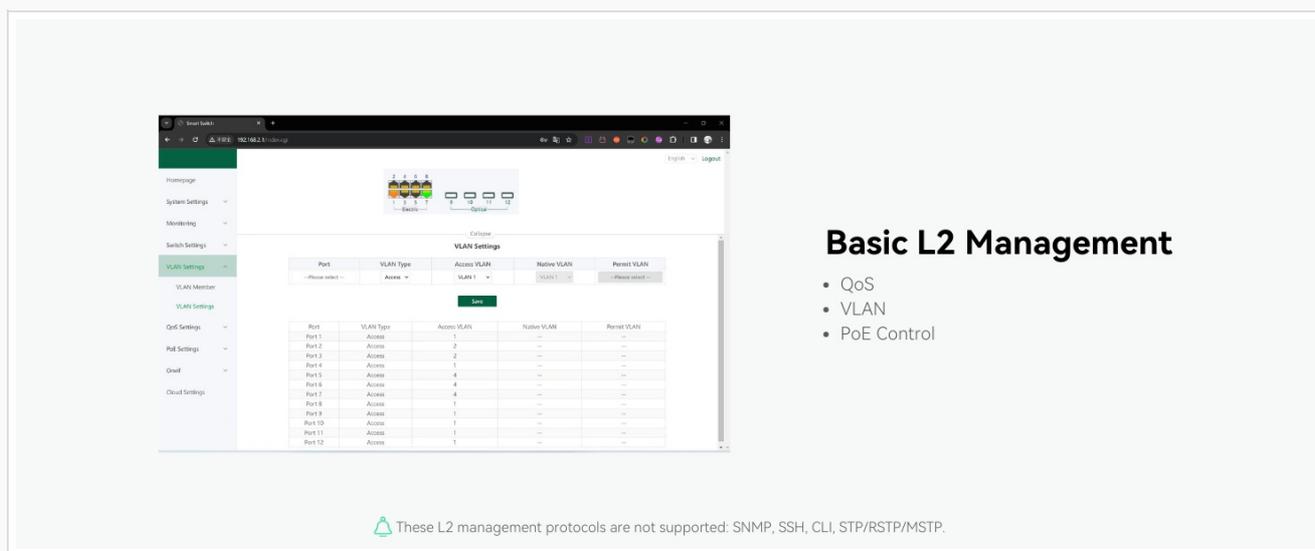- **PoE Control:** Manage PoE settings locally.

Image: Screenshot of the switch's web management interface, showing VLAN settings and options for QoS and PoE control.
Note: This switch does not support advanced L2 management protocols such as SNMP, SSH, CLI, STP/RSTP/MSTP.

6. MAINTENANCE

To ensure optimal performance and longevity of your LINOVISION POE-SWR308G25 switch, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the switch with a soft, dry cloth. Avoid using liquid or aerosol cleaners. Ensure ventilation openings are free from dust and debris.
- **Environment:** Operate the switch within its specified environmental conditions (temperature, humidity) to prevent overheating or damage.
- **Firmware Updates:** Check the official LINOVISION website for available firmware updates. Applying updates can improve performance, add features, or fix bugs. Follow the provided instructions carefully during the update process.
- **Cable Management:** Ensure all network and power cables are neatly organized and securely connected to prevent accidental disconnections or damage.

7. TROUBLESHOOTING

If you encounter issues with your LINOVISION POE-SWR308G25 switch, refer to the following troubleshooting tips:

- **No Power:**

    - Ensure the power adapter is securely connected to both the switch and a working power outlet.
    - Verify the power outlet is functional by plugging in another device.

- **No Link/Connectivity:**

    - Check that Ethernet cables are properly connected to both the switch port and the connected device.
    - Verify the cable type and length meet network standards (e.g., Cat5e/Cat6 for 2.5G).
    - Ensure the connected device is powered on and configured correctly.
    - For SFP uplink, ensure the SFP module is correctly inserted and compatible, and the fiber cable is intact.

- **PoE Device Not Receiving Power:**

    - Confirm the connected device is IEEE 802.3af/at compliant.
    - Check the PoE status LED for the specific port.
    - Ensure the total PoE power budget (130W) is not exceeded by all connected devices.
    - If using cloud management, verify PoE is enabled for the port.

- **Slow Network Speed:**

    - Ensure all connected devices and cables support 2.5G Ethernet for optimal performance.
    - Check for network congestion or excessive traffic.
    - Verify duplex settings on connected devices and the switch.

- **Web GUI Access Issues:**

    - Ensure your computer's IP address is in the same subnet as the switch.
    - Clear your browser's cache or try a different browser.
    - If you forgot the password, a factory reset may be required (refer to the Reset Button section).

- **Factory Reset:** If issues persist, press and hold the Reset button for approximately 5-10 seconds until the LEDs flash, then release. This will restore the switch to its factory default settings.

8. SPECIFICATIONS

Feature	Description
Brand	LINOVISION
Model Number	POE-SWR308G25
Number of Ports	8 x 2.5G PoE Ports, 1 x 10G SFP Uplink
Data Transfer Rate	2500 Megabits Per Second (2.5G ports), 10000 Megabits Per Second (10G SFP)
PoE Standard	IEEE 802.3af/at
Maximum PoE Power	130 Watts Total
Management	Cloud Managed, Local Web GUI (VLAN, QoS, PoE Control)
Included Components	2.5G Cloud Managed PoE Switch, 150W Power Adapter

Color	Black
Item Weight	1.44 Kilograms (approx. 3.17 lbs)
Dimensions	Refer to dimension image for details.

Image: Diagram showing the dimensions of the LINOVISION POE-SWR308G25 switch: 6.61" (168mm) width, 3.70" (94mm) depth, 1.26" (32mm) height. Weight: 1.02 lb (464g).

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The LINOVISION POE-SWR308G25 switch comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or external factors.

9.2 Technical Support

For technical assistance, troubleshooting, or warranty claims, please contact LINOVISION customer support. Refer to the official LINOVISION website for the most current contact information, including email, phone numbers, and support resources.
When contacting support, please have your product model number (POE-SWR308G25) and proof of purchase readily available.