

PoE Switch Quick Guide

V2.00

Preface

The content of this section is designed to ensure that users use the product correctly to prevent dangers or property loss caused by improper operation. Before using this product, be sure to read this manual carefully. Please keep this manual properly for future reference.

About This Manual

- We recommend that you use this manual under the guidance of a professional.
- This manual is designed for use with multiple product models, and it is not possible to list the appearance and functions of each product individually. Please refer to the actual product for use.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
- Despite our best efforts, technical or typographical errors may exist in this manual. Uniview cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.
- Users are fully responsible for the damages and losses that arise due to improper operation.
- Uniview reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.
- This manual will be updated in real time according to the laws and regulations of the relevant regions. For specific details, please refer to the product's paper copy, QR code, or official website. In case of any discrepancy between the paper copy and the electronic version, the electronic version shall prevail.

About This Product

If the product you have chosen is a video product, please strictly adhere to the applicable laws and regulations. You can visit our official website to inquire about the relevant content.

Instructions for Use

- This document serves as a guide for use only. All statements, information, and suggestions contained in this document do not constitute any express or implied warranty.
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- Due to uncertain factors such as the physical environment, there may be discrepancies between the actual values of some data and the reference values provided in the manual. In case of any questions or disputes, the company's final interpretation shall prevail.




Formatting Conventions

The UI formatting conventions used in this document are as follows:

Format	Meaning
Bold	Bold means UI elements (button names, menu names, window names, etc.), e.g., Click Save .
>	Indicate a sequence of actions, e.g., click Device Management > Add Device, which means first click Device Management, and then click Add Device.

Symbol Conventions

This document uses various distinctive symbols to highlight areas that require special attention during the operation process. The meanings of these symbols are as follows:

Symbol	Meaning
	NOTE: Provides tips and additional information related to the operation and use of the product.
	CAUTION: Alerts to matters that requires attention during operation, as improper handling may lead to product damage, data loss, or functional abnormalities.
	WARNING: The annotations following this symbol demand extra attention, as improper handling could potentially cause personal injury.

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EU Authorised Representative

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If you have any feedback, please contact us at service@uniview.com.

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Uniview complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy at our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual may involve the collection of personal information such as face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

Safety Precautions

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting Uniview first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.

- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Safety

Please use batteries properly; otherwise, there is a risk of fire or explosion.

- **Warning:** Using incorrect battery models can lead to explosion.
- If you need to replace the battery, it is recommended that you go to an authorized service center or have it replaced under professional supervision. We shall not be held responsible for any issues arising from unauthorized battery replacement.
- When replacing the battery, be sure to use a battery of the same type as the original! Using the wrong model for replacement (such as certain types of lithium batteries) may cause safety protection to fail.
- Batteries must not be exposed to overheat environments such as sunlight, fire, as this may lead to fire, explosion, or combustion.
- Do not dispose of batteries in fire or heating appliances. Do not squeeze, bend, or cut batteries, as it may cause explosion.
- Do not expose batteries to extremely high or low temperatures, or to very low-pressure environments, as this may cause explosion or leakage of flammable liquid/gas.
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.
- For products or the included remote control containing a button cell battery: Do not ingest the battery - chemical burn hazard! If swallowed, a button cell battery can cause severe internal burns within 2 hours and may be fatal. Precautions (including but not limited to):
 - Keep new and used batteries away from children.
 - Stop using the product and keep it away from children if the battery compartment is not securely closed.
 - If you suspect that a battery may have been swallowed or inserted inside any part of the body, seek immediate medical attention.

Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password:** You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters and special characters.
 - Do not include the account name or the reverse of the account name.
 - Avoid using consecutive characters, such as 123, abc, etc.
 - Do not use overlapping characters, such as 111, aaa, etc.
- **Keep firmware up to date:** It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit Uniview's official website or contact your local dealer for the latest firmware.

The following are recommendations for enhancing network security of your device:

- **Change password regularly:** Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- **Enable HTTPS/SSL:** Use SSL certificate to encrypt HTTP communications and ensure data security.
- **Enable IP address filtering:** Allow access only from the specified IP addresses.
- **Minimum port mapping:** Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- **Disable the automatic login and save password features:** If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.

- **Choose username and password discreetly:** Avoid using the username and password of your social media, bank, email account, etc., as the username and password of your device, in case your social media, bank and email account information is leaked.
- **Restrict user permissions:** If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- **Disable UPnP:** When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- **Multicast:** Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- **Check logs:** Check your device logs regularly to detect unauthorized access or abnormal operations.
- **Isolate video surveillance network:** Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.
- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **SNMP:** Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.

Learn More

You may also obtain security information under Security Response Center at Uniview's official website.

Avertissement de l'utilisation de la batterie

- Lorsque utiliser la batterie, évitez:
 - Température et pression d'air extrêmement élevées ou basses pendant l'utilisation, le stockage et le transport.
 - Remplacement de la batterie.
- Utilisez la batterie correctement. Mauvaise utilisation de la batterie comme celles mentionnées ici, peut entraîner des risques d'incendie, d'explosion ou de fuite liquide de gaz inflammables.
 - Remplacer la batterie par un type incorrect;
 - Disposer d'une batterie dans le feu ou un four chaud, écraser mécaniquement ou couper la batterie;
- Disposer la batterie utilisée conformément à vos règlements locaux ou aux instructions du fabricant de la batterie.

Regulatory Compliance

FCC Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Visit https://global.uniview.com/Support/Download_Center/Product_Installation/Declaration/ for SDoC.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

LVD/EMC Directive



This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive–2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Regulation- (EU) 2023/1542



Battery in the product complies with the European Battery Regulation (EU) 2023/1542. For proper recycling, return the battery to your supplier or to a designated collection point.

1 Packing List

No.	Name	Qty	Unit
1	PoE switch	1	PCS
2	Power cable	1	PCS
3*	Power adapter	1	PCS
4*	Rubber foot	4	PCS
5*	Screw	4	PCS
6*	Mounting bracket	1	Pair
7	User manual	1	PCS

Remarks: The package contents may vary with device model.

* means optional and supplied with certain models only.

2 Product Overview

2.1 Function Introduction

This unmanaged switch requires no configuration and can perform data transmission once cable connection is completed. It supports three operating modes: Default, Extend, and VLAN, which can be set through a DIP switch. See the product appearance diagram for the DIP switch.

Operating modes:

- Default mode: When enabled, all ports can communicate with each other.
- Extend mode: When enabled, the data transmission speed of PoE ports is limited to 10Mbps, and the PoE ports are isolated from each other and only able to communicate with uplink ports.
- VLAN mode: When enabled, the PoE ports are isolated from each other and only able to communicate with uplink ports. This mode can reduce broadcast storms.



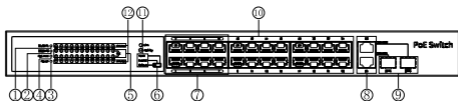
NOTE

- 4-port and 8-port PoE switches only support the default mode and extend mode. 16-port and 24-port PoE switches support the above three modes.
- The operating mode is set to Default by default. If there is no special requirement, please do not change it. To change the operating mode, disconnect power, toggle the DIP switch to the desired mode, and then restart the device.

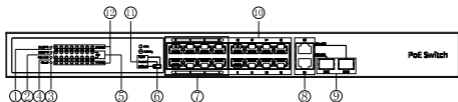
2.2 Appearance

2.2.1 Front Panel

- 24-Port PoE Switch



- 16-Port PoE Switch

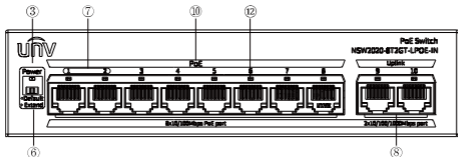


- 8-Port PoE Switch

Type A

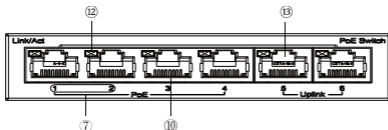


Type B

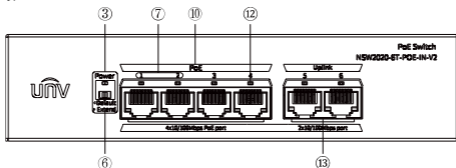


- 4-Port PoE Switch

Type A



Type B



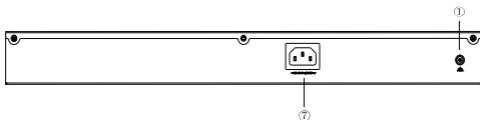
1. G1/SFP1 status indicator	2. G2/SFP2 status indicator
3. Power status indicator	4. PoE power indicator
5. PoE port status indicator	6. DIP switch
7. Priority port	8. 1000Mbps Ethernet port
9. Optical module slot	10. PoE port
11. Operating mode	12. Link/Act status indicator
13. 100Mbps Ethernet port	-

**NOTE!**

Certain models have a COMBO port consisting of an SFP1/SFP2 (fiber optic network port) and a G1/G2 (Gigabit Ethernet port). You can select either port for network connection as needed. If both ports are connected, only the SFP1 port will be active.

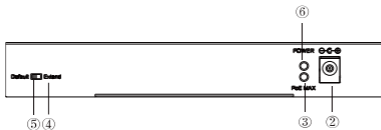
2.2.2 Rear Panel

- 16-Port/24-Port PoE Switch

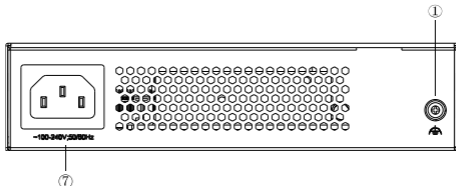


● 4-Port/8-Port PoE Switch

Type A



Type B



1. grounding terminal	2. DC power connector
3. PoE power indicator	4. Operating mode
5. DIP switch	6. Power status indicator
7. AC power connector	-



NOTE!

The actual appearance may vary with device model.

2.3 LED Indicators

Indicator	Color	Indication
G1/SFP1/G2/SFP2	Green	Off: Not connected with a network device.
		Steady on: Connected with a network device.
		Blinking: Transmitting data.
PoE-MAX	Green	Off: The total PoE power is less than 80% of the total power of the device.
		Steady on: The total PoE power is higher than 85% of the total power of the device.
POWER	Green	Off: The switch is powered off.

		Steady on: The switch is powered on normally. Note: The 8-port switch integrates POWER and PoE-MAX. When powered on normally, the indicator is green. If the total PoE output power exceeds 85% of the total power, the indicator changes to yellow.
PoE	Green	Off: The PoE port is not supplying power.
		Steady on: The PoE port is supplying power normally.
Link/Act	Green	Off: The port is disconnected.
		Steady on: The port is connected.
		Blinking: The port is transmitting data.

3 Installation

3.1 Operating Environment Requirements

- Install the device in a place with lightning protection measures.
- Allow enough space (more than 10cm) around the vents of the device for heat dissipation.
- The cabinet or workbench has a good ventilation system.
- The cabinet or workbench is firm enough to hold the weight of the device and mount accessories.
- The cabinet or workbench is properly grounded.

3.2 Installation Tools

- ESD gloves
- Screwdriver
- Screws

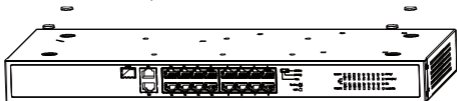
3.3 Safety Instructions

- Before cleaning, be sure to disconnect the power plug. Do not wipe the device with a wet cloth or apply liquid to the device.
- Make sure the operating environment of the device is clean. The dust around the device can be absorbed by static electricity, which may affect the lifetime of the device and result in communication failure.
- Keep the device from water or moisture. Do not let liquid of any kind or moisture enter the device.
- Do not stack devices. It may cause poor ventilation.
- Make sure the operating voltage meets the requirements indicated on the device.
- Do not disassemble the device yourself.

3.4 Device Installation

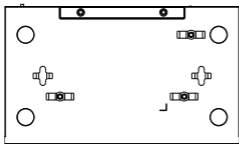
3.4.1 Place the Device on a Workbench

1. Place the device with the bottom up on a large and stable workbench.
2. Remove the adhesive backed papers from the rubber feet and attach the rubber feet to the recessed areas on the bottom of the device.
3. Turn the device over and place it on the workbench.



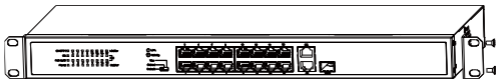
3.4.2 Mount the Device on a Wall

1. Install two screws (user-supplied) on the wall according to the mounting holes on the bottom of the device.
2. Align the mounting holes of the device with the screws on the wall, and then hang the device on the screws.

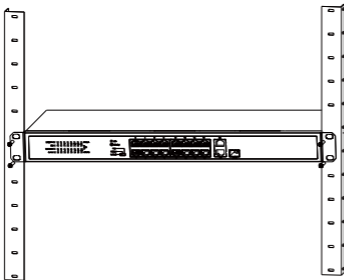


3.4.3 Mount the Device in a Rack

1. Verify that the rack is stable and reliably grounded.
2. Secure the mounting brackets to both sides of the device with supplied screws.



3. Choose an appropriate location and secure the brackets to the rack with screws (user-supplied).



NOTE!

- The screws used in step 3 need to be purchased separately.
- 16-port and 24-port models support workbench mount and rack mount. 4-port and 8-port models support workbench mount and wall mount.

4 Connect Cables

4.1 Connect the Power Cable

Before connecting, ensure that the device is reliably grounded. Follow the steps to connect the power cable:

1. Make sure the power supply meets the requirements indicated on the device.
2. Connect one end of the power cable to the power connector of the device, and the other end to the AC power outlet.
3. Check if the power indicator is on. When the power indicator is on, it indicates that the power supply is connected correctly.

4.2 Connect a Network Cable

Connect one end of a network cable to one of the Ethernet ports of the device, and the other end to a computer or other network devices.