



# GRANDSTREAM GWN7806 Enterprise Layer 2 Plus Stackable Managed Network Switch Instruction Manual

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# GRANDSTREAM GWN7806 Enterprise Layer 2 Plus Stackable Managed Network Switch Instruction Manual



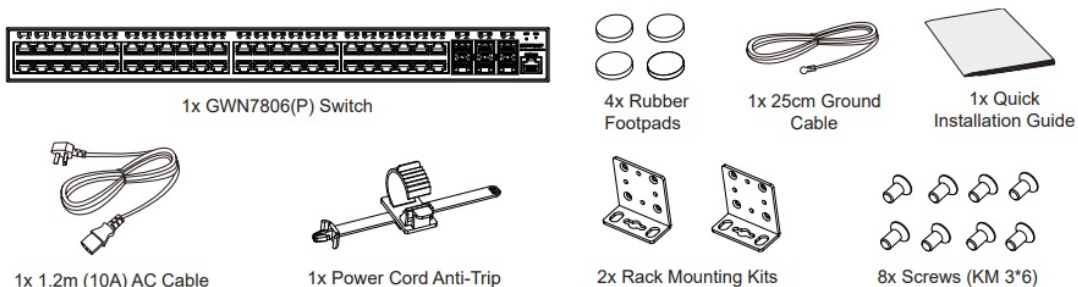
## OVERVIEW

The GWN7806(P) is layer 2+ stackable managed switch that allows small-to-medium enterprises to build scalable, secure, high performance and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The GWN7806P provides smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. GWN7806(P) is easy to deploy and manage, including managed by the local Web user interface of the GWN7806(P) switch and CLI, the command-line interface. The switch is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. The GWN7806(P) is the best value enterprise-grade managed network switch for small-to-medium businesses.

## PRECAUTIONS

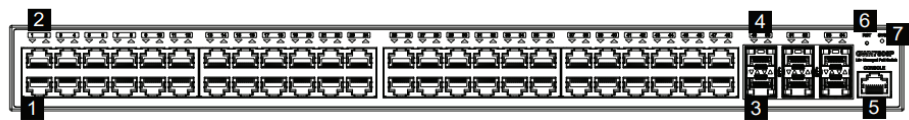
- Do not attempt to open, disassemble, or modify the
- Do not expose this device to temperature outside range of 0 °C to 45 °C for operation and -10 °C to 60 °C for storage.
- Do not expose this device to environments outside of the following humidity range: 10-90% RH (non-condensing) for operation and 10-90% RH (non-condensing) for storage.
- Do not power cycle your GWN7806(P) during system boot up or firmware You may corrupt firmware images and cause the unit to malfunction.

## PACKAGE CONTENTS

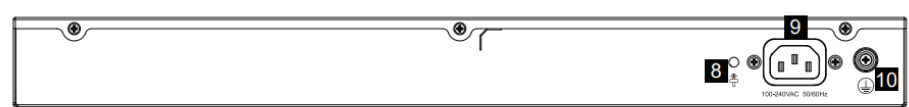


## PORTS & LED INDICATORS

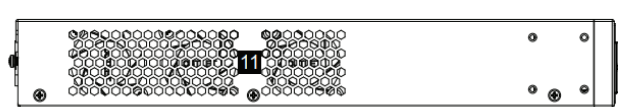
Front Panel



Back Panel



Side Panel



No.	Port & LED	Description
1	Port 1-48	48x Ethernet RJ45(10/100/1000Mbps), used for connecting terminals <b>Note:</b> GWN7806P Ethernet ports support PoE/PoE+
2	1-48	Ethernet ports' LED indicators
3	Port SFP+ 49-54	6x 10Gbps SFP+ ports
4	SFP+ 49-54	SFP+ ports' LED indicators
5	Console	1x Console port, used to connect a PC directly to the switch and manage it.
6	RST	Factory Reset pinhole Press for 5 seconds to reset factory default settings

7	SYS	System LED indicator
8		Power cord anti-trip hole
9	100-240VAC 50-60Hz	Power socket
10		Grounding terminal
11	Fan	3x Fans

**LED Indicator**

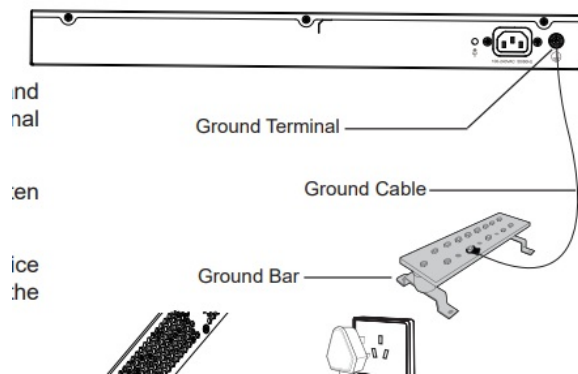
LED Indicator	Status	Description
System Indicator	Off	Power off
	Solid green	Booting
	Flashing green	Upgrade
	Solid blue	Normal use
	Flashing blue	Provisioning

	Solid red	Upgrade failed
	Flashing red	Factory reset
Port Indicator	Off	For all ports, port off & For SFP+ ports, port failure
	Solid green	Port connected and there is no activity
	Flashing green	Port connected and data is transferring
	Solid yellow	Ethernet port connected and PoE powered
	Flashing yellow	Ethernet port connected, data is transferring and PoE powered
	Alternately flashing yellow and green	Ethernet port failure

## POWERING & CONNECTING

### Grounding the Switch

1. Remove the ground screw from the back of switch, and connect one end of the ground cable to the wiring terminal of
2. Put the ground screw back into the screw hole, and tighten it with a screwdriver.



### Notes:

- Please select the optical fiber cable according to the module. The multi-mode module corresponds to the multi-mode optical fiber, and the single-mode module corresponds to the single-mode optical fiber.
- Please select the same wavelength optical fiber cable for
- Please select an appropriate optical module according to the actual networking situation to meet different transmission distance

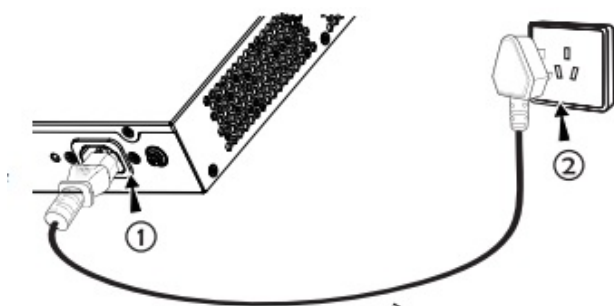
3. Connect the other end of the ground cable to other device Ground Bar \_\_\_\_\_ that has been grounded or directly to the terminal of the ground bar in the equipment room.

### Powering on the Switch

Connect the power cable and the switch first, then connect the power cable to the power supply system of the equipment room.

### Connecting Power Cord Anti-Trip

In order to protect the power supply from accidental disconnection, it's recommended to use a power cord anti-trip for installation.

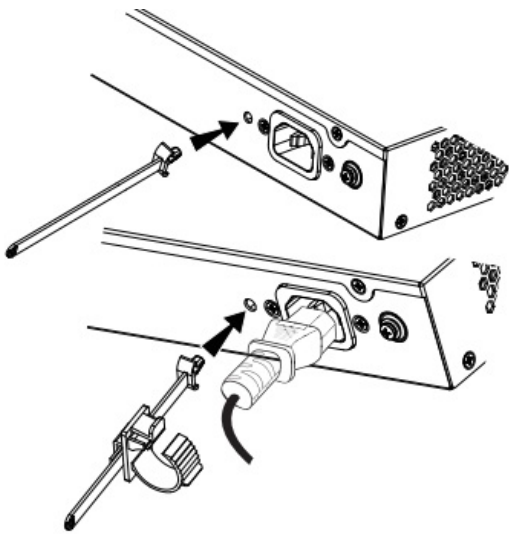


1. Force the head of the fixing strap tightly into the hole next to the power socket until it's buckled on the shell without falling
2. After plugging the power cord into the power outlet, slide the protector over the remaining strap until it slides over the end of the power
3. Wrap the strap of the protective cord around the power cord and lock it tightly. Fasten the straps until the power cord is securely fastened.

## PORT CONNECTING

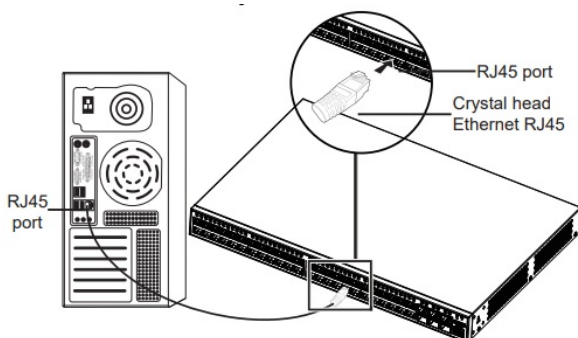
In order to protect the power supply from accidental disconnection, it's recommended to use a power cord anti-trip for installation.

1. Force the head of the fixing strap tightly into the hole next to the power socket until it's buckled on the shell without falling
2. After plugging the power cord into the power outlet, slide the protector over the remaining strap until it slides over the end of the power
3. Wrap the strap of the protective cord around the power cord and lock it tightly. Fasten the straps until the power cord is securely fastened.



### Connect to RJ45 Port

1. Connect one end of the network cable to the switch, and the other end to the peer
2. After powered on, check the status of the



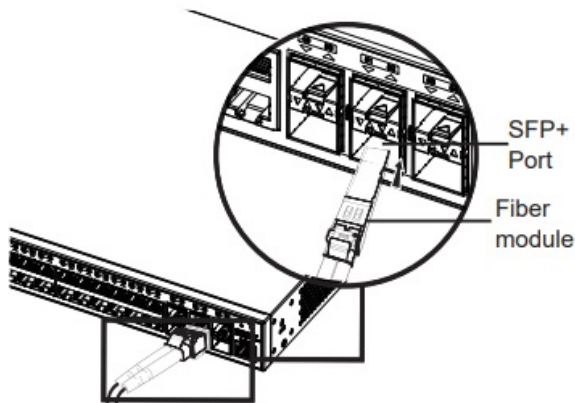
### Connect to SFP+ Port

In order to protect the power supply from accidental disconnection, it's recommended to use a power cord anti-trip for installation.

1. Force the head of the fixing strap tightly into the hole next to the power socket until it's buckled on the shell without falling
2. After plugging the power cord into the power outlet, slide the protector over the remaining strap until it slides

over the end of the power

3. Wrap the strap of the protective cord around the power cord and lock it tightly. Fasten the straps until the power cord is securely fastened.

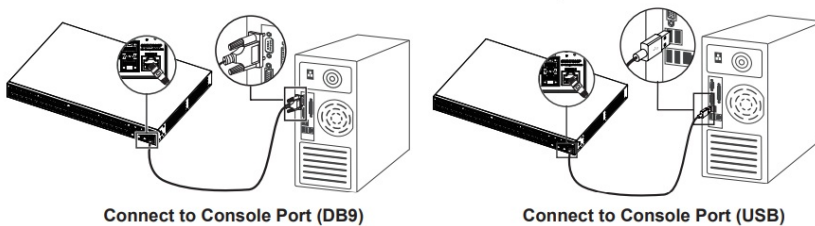


#### Notes:

- Please select the optical fiber cable according to the module. The multi-mode module corresponds to the multi-mode optical fiber, and the single-mode module corresponds to the single-mode optical fiber.
- Please select the same wavelength optical fiber cable for
- Please select an appropriate optical module according to the actual networking situation to meet different transmission distance

### Connect to Console Port

1. Connect the console cable (prepared by yourself) to the DB9 male connector or USB port to the PC. Connect the other end of the RJ45 end of the console cable to the console port of switch



#### Notes:

- To connect, the steps order (1 -> 2) must be
- To disconnect, the steps order is reversed (2 -> 1).

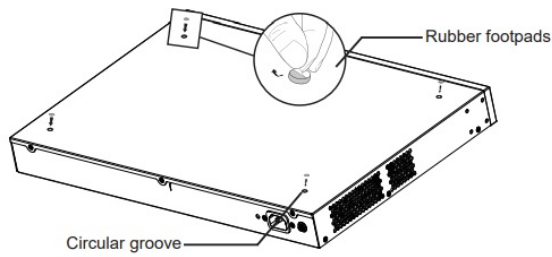
## INSTALLATION

### Install on the Desktop

1. Place the bottom of switch on a sufficiently large and stable table.
2. Peel off the rubber protective paper of the four footpads one by one, and stick them in the corresponding circular grooves at the four corners of the bottom of the

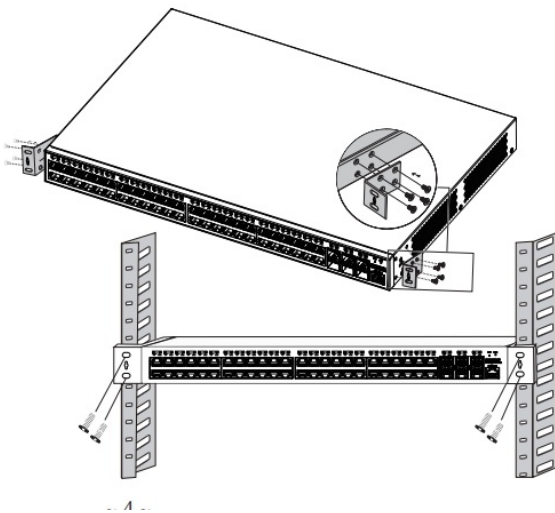


3. Flip the switch over and place it smoothly on the table.



## Install on a 19" Standard Rack

1. Check the grounding and stability of the rack.
2. Install the two L-shaped rack-mounting in the accessories on both sides of switch, and fix them with the screws provided (KM 3\*6).
3. Place the switch in a proper position in the rack and support it by the bracket
4. Fix the L-shaped rack-mounting to the guide grooves at both ends of the rack with screws (prepared by yourself) to ensure that the switch is stable and horizontally installed on the

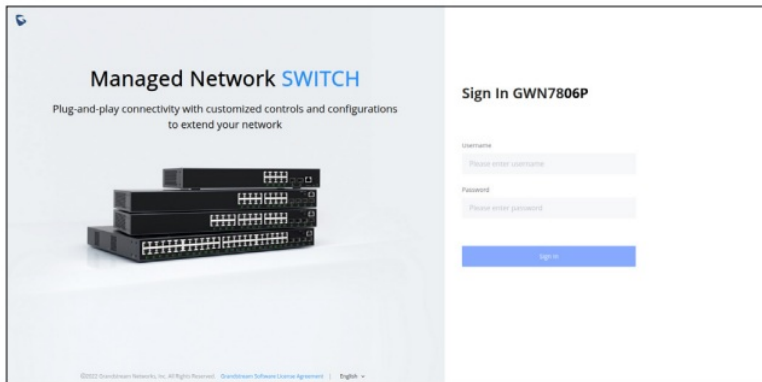


## ACCESS & CONFIGURE

**Note:** If no DHCP server is available, the GWN7806(P) default IP address is 192.168.0.254.

### Method 1: Login using the Web UI

1. A PC uses a network cable to correctly connect any RJ45 port of the
2. Set the Ethernet (or local connection) IP address of the PC to 192.168.0.x ("x" is any value between 1-253), and the subnet mask to 255.255.255.0, so that it is in the same network segment with switch IP address. If DHCP is used, this step could be



- Type the switch's management IP address `http://<gwn7806(P)_IP>` in the browser, and enter username and password to (The default administrator username is "admin" and the default random password can be found at the sticker on the GWN7806(P) switch).

## Method 2: Login using the Console port

1. Use the console cable to connect the console port of switch and the serial port of
2. Open the terminal emulation program of PC (e.g. SecureCRT), enter the default username and password to (The default administrator username is "admin" and the default random password can be found at the sticker on the GWN7806(P) switch).

## Method 3: Login Remotely using SSH/Telnet

1. Turn on the Telnet of the
2. Enter "**cmd**" in PC/Start.
3. Enter **telnet <gwn7806(P)\_IP>** in the cmd
4. Enter the default username and password to (The default administrator username is "admin" and the default random password can be found at the sticker on the GWN7806(P) switch).

## Method 4: Configure using GWN.Cloud / GWN Manager


Type <https://www.gwn.cloud> ([https://<gwn\\_manager\\_IP>](https://<gwn_manager_IP>) for GWN Manager) in the browser, and enter the account and password to login the cloud platform. If you don't have an account, please register first or ask the administrator to assign one for you.

The GNU GPL license terms are incorporated into the device firmware and can be accessed via the Web user interface of the device at `my_device_ip/gpl_license`. It can also be accessed here:

<https://www.grandstream.com/legal/open-source-software> To obtain a CD with GPL source code information please submit a written request to: [info@grandstream.com](mailto:info@grandstream.com) Refer to online documents and FAQ for more detailed information: <https://www.grandstream.com/our-product>

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	<p><a href="#">GRANDSTREAM GWN7806 Enterprise Layer 2 Plus Stackable Managed Network Switch</a> [pdf] Instruction Manual</p> <p>GWN7806, GWN7806, GWN7806 Enterprise Layer 2 Plus Stackable Managed Network Switch , Enterprise Layer 2 Plus Stackable Managed Network Switch, Layer 2 Plus Stackable Managed Network Switch, Stackable Managed Network Switch, Network Switch</p>
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