GRANDSTREAM
CONNECTING THE WORLD

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GWN7806-GWN7806P

Enterprise Layer 2+ Stackable Managed
Network Switch

For Certification, Warranty and RMA information, please visit
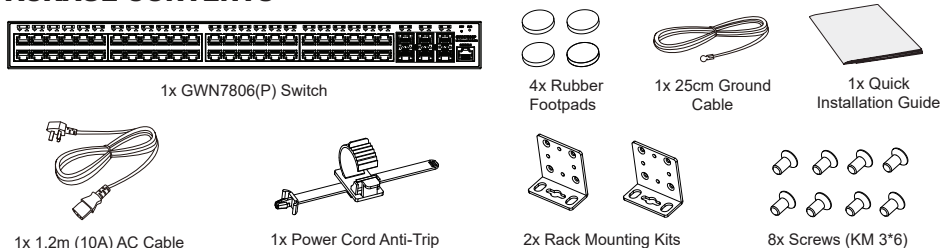www.grandstream.com

Quick Installation Guide
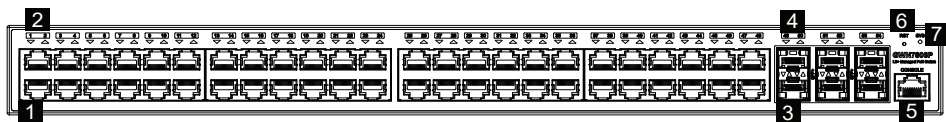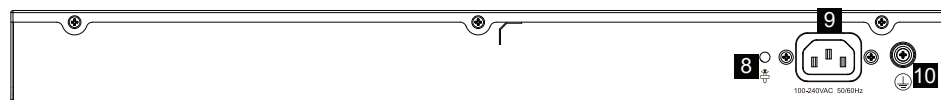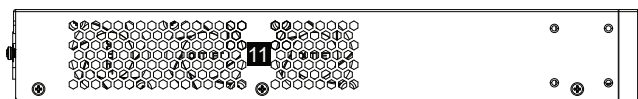
No.	Port & LED	Description
1	Port 1-48	48x Ethernet RJ45(10/100/1000Mbps), used for connecting terminals ***Note:*** *GWN7806P Ethernet ports support PoE/PoE+*
2	1-48	Ethernet ports' LED indicators
3	Port SFP+ 49-54	6x 10Gbps SFP+ ports
4	SFP+ 49-54	SFP+ ports' LED indicators
5	Console	1x Console port, 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 switch.

2. Put the ground screw back into the screw hole, and tighten it with a screwdriver.

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

Ground Terminal

Ground Cable

Ground Bar
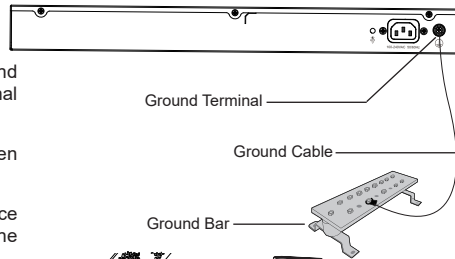
Powering on the Switch

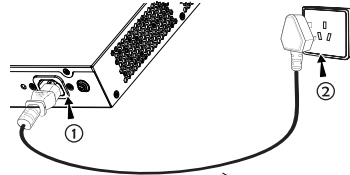Connect the power cable and the switch first, then connect the power cable to the power supply system of the equipment room.

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 off.

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 cord.

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.
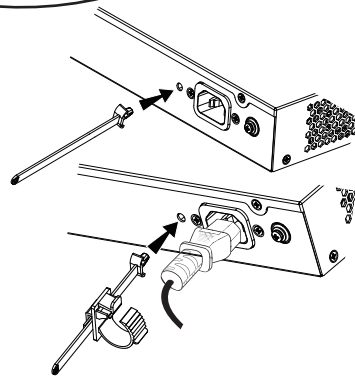
# PORT CONNECTING

Connect to RJ45 Port

1. Connect one end of the network cable to the switch, and the other end to the peer device.

2. After powered on, check the status of the port indicator. If on, it means that the link is connected normally; if off, it means the link is disconnected, please check the cable and the peer device whether is enabled.

RJ45 port

Crystal head Ethernet RJ45

RJ45 port
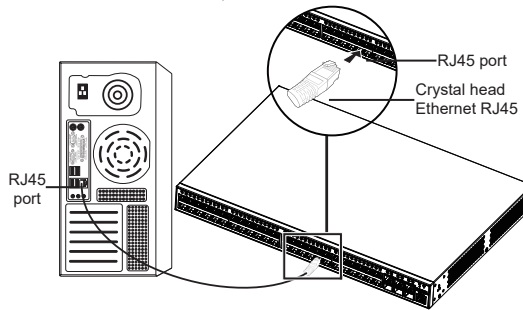
Connect to SFP+ Port

The installation process of the fiber module is as follows:

1. Grasp the fiber module from the side and insert it smoothly along the switch SFP+ port slot until the module is in close contact with the switch.

2. When connecting, pay attention to confirm the Rx and Tx ports of SFP+ fiber module. Insert one end of the fiber into the Rx and Tx ports correspondingly, and connect the other end to another device.

3. After powered on, check the status of the port indicator. If on, it means that the link is connected normally; if off, it means the link is disconnected, please check the cable and the peer device whether is enabled.
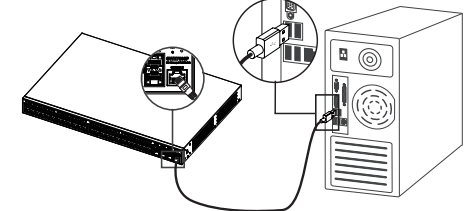
SFP+ Port
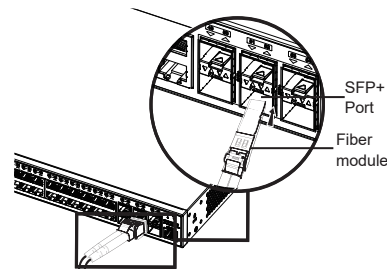
Fiber module

Notes:

• *Please select the optical fiber cable according to the module type. 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 connection.*

• *Please select an appropriate optical module according to the actual networking situation to meet different transmission distance requirements.*

• *The laser of the first-class laser products is harmful to eyes. Do not look directly at the optical fiber connector.*

Connect to Console Port

1. Connect the console cable (prepared by yourself) to the DB9 male connector or USB port to the PC.

2. Connect the other end of the RJ45 end of the console cable to the console port of switch.
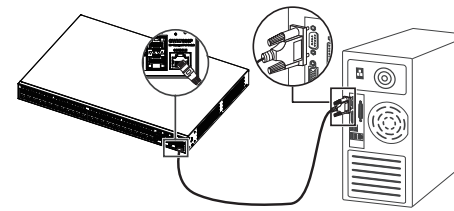
**Connect to Console Port (DB9)**　　　　**Connect to Console Port (USB)**

Notes:

• *To connect, the steps order (1 -> 2) must be respected.*

• *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 case.

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

Rubber footpads

Circular groove
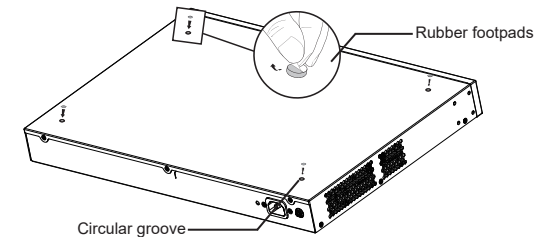
Install on a 19" Standard Rack

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 rack.
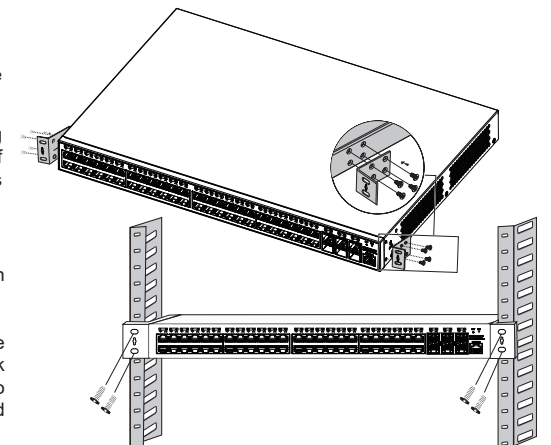
ACCESS & CONFIGURE

**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 switch.

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 skipped.

3. Type the switch's management IP address http://<gwn7806(P)_IP> in the browser, and enter username and password to login. (The default administrator username is "admin" and the default random password can be found at the sticker on the GWN7806(P) switch).
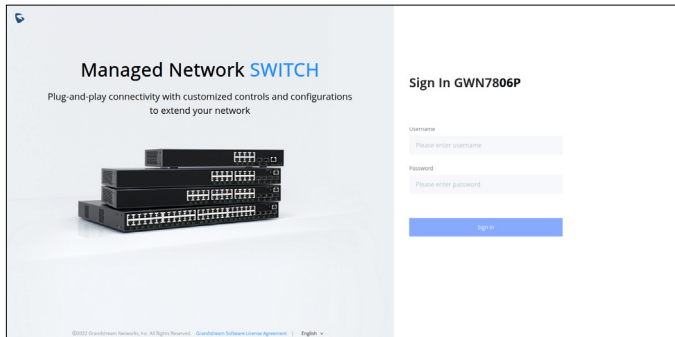
Method 2: Login using the Console port

1. Use the console cable to connect the console port of switch and the serial port of PC.

2. Open the terminal emulation program of PC (e.g. SecureCRT), enter the default username and password to login. (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 switch.

2. Enter "***cmd***" in PC/Start.

3. Enter ***telnet <gwn7806(P)_IP>*** in the cmd window.

4. Enter the default username and password to login. (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>** 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.

Refer to online documents and FAQ for more detailed information:
https://www.grandstream.com/our-products

Certification Regulatory Information

U.S. FCC Part 15 Regulatory Information

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.

Any 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.

Canada Regulatory Information

CAN ICES-003 (A)/NMB-003(A)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

EU Regulatory Information

Hereby, [Grandstream Networks, Inc.] declares that the equipment type [GWN7806P] is in compliance with Directive 2014/30/EU&2014/35/EU. The full text of the EU declaration of conformity is available at the following internet address: www.grandstream.com

UK Regulatory Information

Hereby, [Grandstream Networks, Inc.] declares that the equipment type [GWN7806P] is in compliance with UK SI 2016 No. 1091&2016 No. 1101. The full text of the UK declaration of conformity is available at the following internet address: www.grandstream.com