

GWN780x Pro Switch Firmware Release Notes

IMPORTANT UPGRADING NOTE

Hardware	Firmware Version	Restrictions and Cautions
GWN78XX	1.0.17.x	Cannot downgrade to 1.0.15.x or lower firmware version.

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FIRMWARE FILE DOWNLOAD

Individual firmware files are available for downloading at URL below:

<https://www.grandstream.com/support/firmware>

FIRMWARE VERSION 1.0.17.18

PRODUCT NAME

GWN7801P Pro,
GWN7802P Pro,
GWN7803 Pro, GWN7803PL Pro, GWN7803PH Pro,
GWN7806PH Pro, GWN7806PL Pro

DATE

10/01/2026

FIRMWARE FILE INFORMATION

- GWN7801P/02P/03PH/03PL/03 Pro Firmware file name: gwn780xprofw.bin
MD5 checksum: 0761dc6bb2679823b310ba30d494256c
- GWN 7806PH/PL Pro Firmware file name: gwn7806profw.bin
MD5 checksum: 2c3a7fb24c9a5ca622929a049c1bc883

CHANGES/ENHANCEMENT

- Updated the Linux version and SSH for security patches.
- Fixed an issue that the switch reports a “Fan Failure” event to GWN Manager without a corresponding local Web UI log entry.
- Fixed an issue that the device didn’t alarm when SFP module is disconnect.
- Fixed an issue where the device prompt Error Code: 0xF03A in console log.
- Fixed an issue where LAG/LACP failed to function when using 10Gtek SFP-P0.42M modules.
- Added support for RFC3021 on switch VLAN interface
- Added support for loading custom Web certificates on switches.
- Added Capability to monitor Bandwidth usage
- Added custom service attribute parameter in TACACS+ AAA authorization.
- Added capability to retain local Manager settings when GWN Manager is reset.
- Added support for Sync L2 cgi configs to Netconf platform in real-time. [GWN7806PH/PL Pro Only]
- Added support for Sync L3 cgi configs to Netconf platform in real-time. [GWN7806PH/PL Pro Only]
- Added support for Sync system cgi configs to Netconf platform in real-time. [GWN7806PH/PL Pro Only]
- Added support for Netconf adds a data store to view the configuration of a single Yang module. [GWN7806PH/PL Pro Only]
- Added support for Sync L2 mac CLI configs to Netconf platform in real-time. [GWN7806PH/PL Pro Only]
- Added support for Sync system and L3 CLI configs to Netconf platform in real-time. [GWN7806PH/PL Pro Only]

- Added support for Netconf code synchronization. [GWN7806PH/PL Pro Only]
- Added support for Netconf supports storm control and cli/cgi/device startup synchronization. [GWN7806PH/PL Pro Only]
- Fixed internal bugs.

FIRMWARE VERSION 1.0.17.11

PRODUCT NAME

GWN7801P Pro,
GWN7802P Pro,
GWN7803 Pro, GWN7803PL Pro, GWN7803PH Pro,
GWN7806PH Pro, GWN7806PL Pro

DATE

07/08/2026

FIRMWARE FILE INFORMATION

- GWN7801P/02P/03PH/03PL/03 Pro Firmware file name: gwn780xprofw.bin
MD5 checksum: 3c3a00362e9ac17394a08dea33b1d9ee
- GWN 7806PH/PL Pro Firmware file name: gwn7806profw.bin
MD5 checksum: 9073c32ff88f26c2a9588efc3913743b

CHANGES/ENHANCEMENT

- Added ERPS [**ERPS**]
- Added support for multiple RADIUS servers. [**RADIUS Multiple Server**]
- Added support for RADIUS authorization and accounting function in AAA.
- Added support for multiple TACACS+ servers. [**TACACS+ Multiple Server**]
- Added support for TACACS+ authorization and accounting function in AAA. [**AAA+ Added Authentication and Accounting**]
- Removed SSH remote access and add remote support in diagnostics. [**Remote Support**]
- Added Web CLI function. [**Web CLI**]
- Added HTTPS TLS version settings. [**HTTPS TLS Version Configuration**]
- Updated the total PoE power from 120W to 130W for GWN7801P and GWN7801P Pro.
- Fixed internal bugs.

NEW FEATURE OVERVIEW

ERPS

The ERPS function of switches is used to achieve millisecond-level detection of link failures and rapid switching in Ethernet ring networks. This helps to prevent broadcast storms caused by loops and ensures that services remain uninterrupted.

- Overview
- Switching
- Port Basic Settings
- Port Statistics
- Loopback Detection
- Port Auto Recovery
- Link Aggregation
- MAC Address Table
- VLAN
- PVLAN
- GVRP
- Spanning Tree
- ERPS**
- IP
- Multicast
- AV Control
- Routing

ERPS

☒ ERPS

Ring Settings

- Control VLAN: Valid range is 1-4094
- MEL: Valid range is 0-7
- WTR Timer (min): Valid range is 5-12
- Guard Timer (ms): Valid range is 800-2000
- Holdoff Timer (ms): Valid range is 0-10000

Port Settings

- Port 1:
- Role: ☒ RPL Owner Port ☐ Normal Port
- Port 2:
- Role: ☐ RPL Owner Port ☒ Normal Port

RADIUS Multiple Server

Supports multiple RADIUS server groups to meet diverse user requirements for authentication, authorization, and accounting (AAA), including 802.1X authentication.

- Routing
- QoS
- Security
- Storm Control
- Port Security
- Port Isolation
- ACL
- IP Source Guard
- IPv6 Source Guard
- Anti Attack
- DAI
- RADIUS**
- TACACS+
- AAA
- Identity Authentication...
- DHCP Snooping

RADIUS

☐	Name	Number of Authentication Servers	Number of Accounting Servers	Operation
☐	radius	0	0	Edit Delete
☐	Office_Finance	2	1	Edit Delete

RADIUS > Add

Name

1-64 characters allowed, including digits, letters and special characters except ^/?/

Authentication Server

Accounting Server

Authentication Server1

RADIUS Authentication Server

Port

1812

The port range is 1-65535

Priority

Valid range is 0-65535

Shared Key

1-64 characters allowed, including digits, letters and special characters except ^/?/

Maximum Transmission Count

3

Valid range is 1-5

Timeout (s)

5

Valid range is 1-120

Add

Cancel

OK

TACACS+ Multiple Server

Supports multiple sets of TACACS+ servers to meet diverse user requirements for authentication, authorization, and accounting (AAA).

Routing

QoS

Security

Storm Control

Port Security

Port Isolation

ACL

IP Source Guard

IPv6 Source Guard

Anti Attack

DAI

RADIUS

TACACS+

AAA

TACACS+

Add

Delete

☐	Name	Number of Servers	Operation
☒	tacacs+	2	 
☐	Office_Door	1	 

TACACS+ > Add

•Name

1-64 characters allowed, including digits, letters and special characters except ^|/;

Server1

•TACACS+ Server Address

•Port

The port range is 1-65535

•Priority

Valid range is 0-65535

•Shared Key

1-64 characters allowed, including digits, letters and special characters except ^|/;

•Timeout (s)

Valid range is 1-30

Add 

Cancel OK

AAA+ Added Authentication and Accounting

AAA adds authorization and accounting functions to implement the complete authentication, authorization, and accounting process.

AV Control
 Routing
 QoS
 Security
 Storm Control
 Port Security
 Port Isolation
 ACL
 IP Source Guard
 IPv6 Source Guard
 Anti Attack
 DAI
 RADIUS
 TACACS+
AAA
 Identity Authentication...
 DHCP Snooping
 DHCPv6 Snooping

AAA

Login Authentication
 Session Authorization
 Session Accounting

Console

Telnet

SSH

HTTPS

Cancel OK

Method
 Add Delete

☐	Name	Method 1	Method 2	Method 3	Method 4	Operation
☐	default	None	Empty	Empty	Empty	☒ 
☐	tttt	RADIUS/radius	TACACS+/tacacs+	Empty	Empty	☒ 

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GRANDSTREAM NETWORKS

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Add Method

⚠ Methods other than 'Local' and 'None' may result in AAA authorization failure, making the device inaccessible and unmanageable.

Name
1-64 characters allowed, including digits, letters and special characters except '\|/:'
tttt_Finance

Method 1
Office_Finance

Method 2
tacacs+

Method 3
Empty

Cancel OK

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Session Accounting

Console: default
Telnet: default
SSH: default

Real-time Accounting Interval (s): 0 (Range from 0-3932100, 0 indicates disable real-time accounting)

Cancel OK

Name	Method 1	Method 2	Method 3	Method 4	Accounting Mode	Operation
default	None	Empty	Empty	Empty	Start&End	
ssss	RADIUS/radius	RADIUS/radius	Empty	Empty	Start&End	

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Add Method

⚠ Methods other than 'Local' and 'None' may result in AAA authorization failure, making the device inaccessible and unmanageable.

Name
1-64 characters allowed, including digits, letters and special characters except '\|/:'
tttt_Finance_Accounting

Method 1
Office_Finance

Method 2
radius

Method 3
Empty

Cancel OK

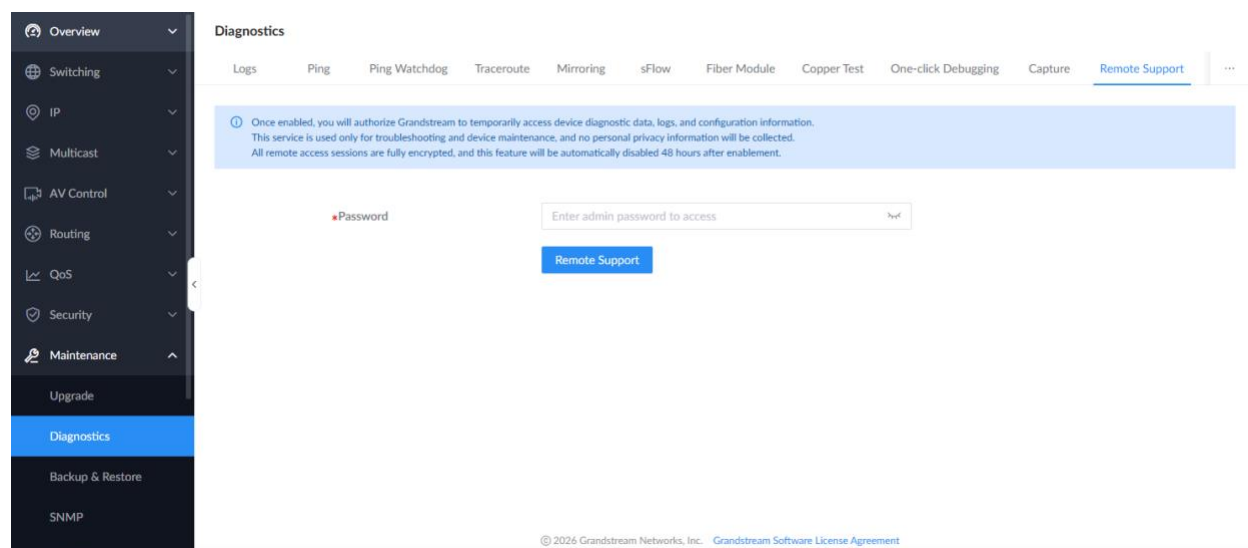
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The support details are as follows:

	Login Authentication	Session Authorization	Command Authorization	Session Accounting	Command Accounting
Console	√	√	√	√	√
Telnet	√	√	√	√	√
SSH	√	√	√	√	√
HTTPS	√	√	×	×	×

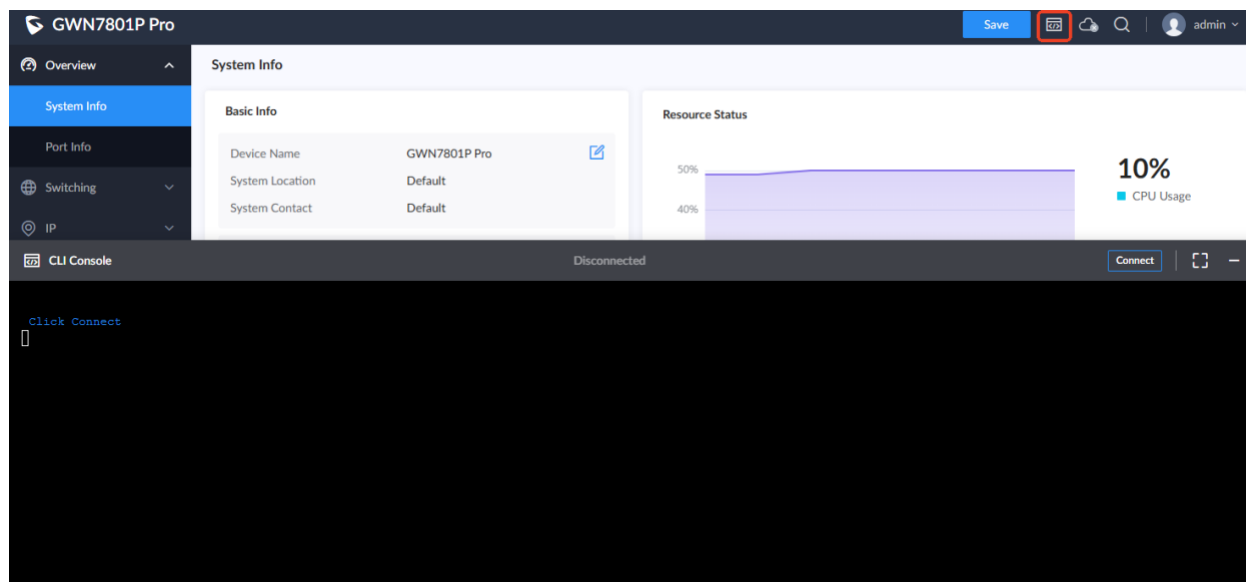
Remote Support

Changed “SSH Remote Access” to “Remote Support”, for more user-friendly, and adjusted the configuration path.



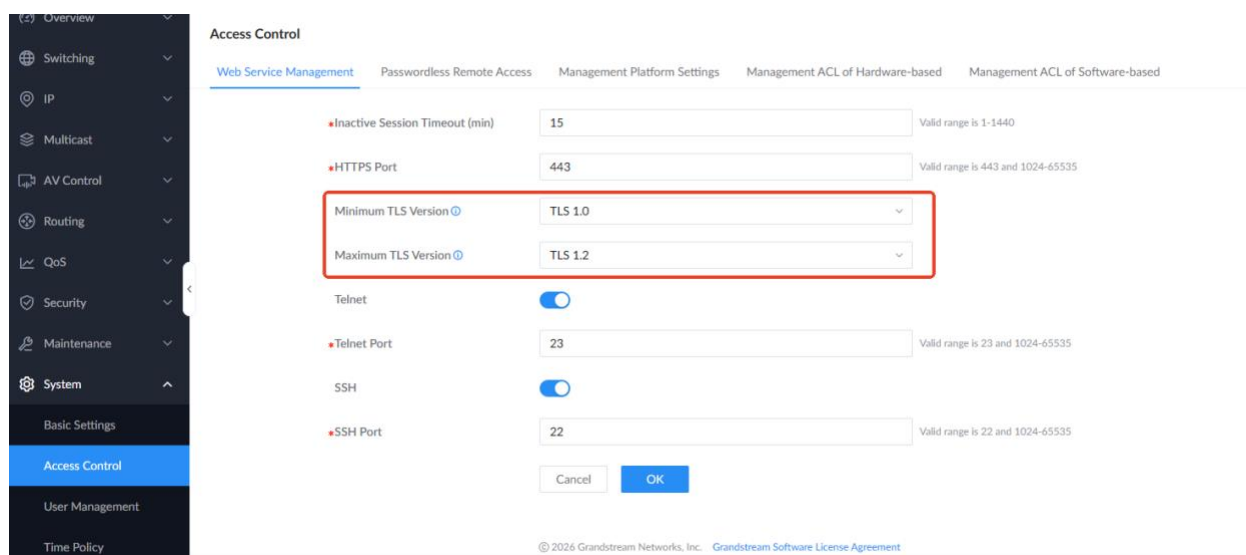
Web CLI

Add a CLI quick-access entry point to the web interface to facilitate rapid configuration for users.



HTTPS TLS Version Configuration

Added configuration for TLS encryption versions for HTTPS web access.



FIRMWARE VERSION 1.0.17.6

PRODUCT NAME

GWN7801P Pro,
GWN7802P Pro,
GWN7803 Pro, GWN7803PL Pro, GWN7803PH Pro,
GWN7806PH Pro, GWN7806PL Pro

DATE

06/02/2026

FIRMWARE FILE INFORMATION

- GWN7801P/02P/03PH/03PL/03 Pro Firmware file name: gwn780xprofw.bin
MD5 checksum: 18a73bda3da26efd0e2d0783358e548a
- GWN 7806PH/PL Pro Firmware file name: gwn7806profw.bin
MD5 checksum: 6ac976904645b262af890c48e15e868d

CHANGES/ENHANCEMENT

- Added support for 2.5Gbps SFP+ modules [SFP+ supports 2.5Gbps]
- Added queue packet loss statistics under Port Statistics [**Queue packet loss statistics**]
- Added support for more Grandstream OUI for Voice VLAN [**More Grandstream OUI for Voice VLAN**]
- Added MAC Address Hashing Algorithm for MAC Address [MAC Address Hashing Algorithm]
- Added MAC address migration record [MAC address migration record] [GWN7806 PH/PL Pro Only]
- Added VLAN Stacking function [VLAN Stacking function]
- Added CoS for management IP interface [CoS for management IP interface]
- Optimized address pool settings of DHCP server [Optimize address pool settings of DHCP server]
- Optimized ARP/NDP [Optimize ARP/NDP]
- Added Policy Route function [Policy Route] [GWN7806PH/PL Pro Only]
- Added user-customized static route specification [**User-customized static route specification**]
- Added MLD Matching Domain under MLD Snooping [**Error! Reference source not found.**] [GWN7801P Pro, GWN7802P Pro, GWN7803 Pro Only]
- Optimized port security function
- Optimized Port Isolation function [Optimize Port Isolation function]
- Optimized ACL advanced statistics settings [ACL advanced statistics settings]
- Added ACL utilization in CLI [ACL advanced statistics settings]
- Support drop packets when rate is non-0 and counter dropped packets [Support drop packets when rate is non-0 and counter dropped packets.]
- Optimized Identity Authentication Management [Optimize Identity Authentication Management]

- Added ND Snooping [ND Snooping]
- Added auto backup function [**Auto Backup**]
- Added support to use one configuration file when device reboots
- Added capture function. [**Capture function**]
- Optimized management platform connection diagnostics [Optimized management platform connection diagnostics]
- Added sFlow function [sFlow function]
- Optimized SNMP function [Optimize SNMP function]
- Added more alert [Added more alert]
- Added port configuration for Telnet [**Port configuration for Telnet**]
- Added SSH public key for users [SSH public key for users]
- Support passwordless remote access for GDMS Networking and GWN Manager [Support passwordless remote access for GDMS Networking and GWN Manager]
- Added more features with Stack [Add more features with stack.]
- Added Stack settings for Stacking members [Add stack settings for stacking members.]
- Increased the limit of "Max Number of Allowed MAC Addresses" to 2000.
- Added filtering option (pip) in CLI.
- Fixed an issue that Auto Voice VLAN fails after provisioning voice VLAN through GWN Cloud.
- Fixed an issue that Incorrect Timezone Offset When Syncing Time from GDMS Cloud.
- Fixed internal bugs.

NEW FEATURE OVERVIEW

SFP+ supports 2.5Gbps

To use SFP+ 2.5Gbps, first set SFP+ speed mode to 2.5Gbps/10Gbps, reboot the device, then configure the speed of SFP+ to 2.5Gbps.

Port Basic Settings

Port Basic Settings Port Group SFP+ Speed Mode

ⓘ The speed mode will take effect after saving and rebooting the device.

Port	Speed Mode
1/0/49-1/0/50	☒ 100Mbps/1000Mbps/10Gbps ☐ 2.5Gbps/10Gbps
1/0/51-1/0/52	☐ 100Mbps/1000Mbps/10Gbps ☒ 2.5Gbps/10Gbps
1/0/53-1/0/54	☒ 100Mbps/1000Mbps/10Gbps ☐ 2.5Gbps/10Gbps

Cancel

OK

Port Basic Settings > **Edit Port**

Port	1/0/51
Port Type	SFP+
Description	0-128 characters allowed, including digits, letters and special characters except "\/,"
Port Enable	☒ Enable ☐ Disabled
Scheduled enabled	None
Auto Detect	☐
Speed	2.5Gbps
Duplex Mode	☒ Full
Jumbo Frame	9216 Valid range is 1518-12288
Flow Control	☒ Disabled ☐ Enabled Flow Control setting will not take effect if Duplex Mode is set to "Half".
Cancel OK	

Queue packet loss statistics

GWN7806PH Pro

Overview

Switching

Port Basic Settings

Port Statistics

Loopback Detection

Port Auto Recovery

Link Aggregation

MAC Address Table

VLAN

PVLAN

Spanning Tree

IP

Multicast

Save

Port Statistics

Clear All

Tx

Rx

Refresh Interval: 10s

Port	Rate (bps)	Usage	Bytes	Packets	Error Packets	Queue Dropped Packets	Operation
1/0/1	--	--	--	--	--	--	
1/0/2	--	--	--	--	--	--	
1/0/3	--	--	--	--	--	--	
1/0/4	--	--	--	--	--	--	
1/0/5	--	--	--	--	--	--	
1/0/6	--	--	--	--	--	--	
1/0/7	--	--	--	--	--	--	
1/0/8	Tx: 1641 Rx: 19542	Tx: 0.00% Rx: 0.00%	Tx: 3197870 Rx: 922058	Tx: 2821 Rx: 7658	Tx: 0 Rx: 0	0	
1/0/9	--	--	--	--	--	--	
1/0/10	--	--	--	--	--	--	

Total 10

1

2

3

...

9

10 / page

Go to

Port Statistics

Clear All Tx Rx Refresh Interval 10s

Port	Rate (bps)	Packets	Queue Dropped Packets	Operation
1/0/1	--	--	--	① ↻
1/0/2	--	--	--	① ↻
1/0/3	--	--	--	① ↻
1/0/4	--	--	--	① ↻
1/0/5	--	--	--	① ↻
1/0/6	--	--	--	① ↻
1/0/7	--	--	--	① ↻
1/0/8	132052 89094	0	0	① ↻
1/0/9	--	--	--	① ↻
1/0/10	--	--	--	① ↻

Total 86 1 2 3 ... 9 10 / page Go to

Port: 1/0/8

TX_egressQueue2SentPktsRT	0
TX_egressQueue3SentPktsRT	0
TX_egressQueue4SentPktsRT	0
TX_egressQueue5SentPktsRT	0
TX_egressQueue6SentPktsRT	18
TX_egressQueue7SentPktsRT	3504
TX_egressQueue0DropSentPktsRT	0
TX_egressQueue1DropSentPktsRT	0
TX_egressQueue2DropSentPktsRT	0
TX_egressQueue3DropSentPktsRT	0
TX_egressQueue4DropSentPktsRT	0
TX_egressQueue5DropSentPktsRT	0
TX_egressQueue6DropSentPktsRT	0
TX_egressQueue7DropSentPktsRT	0

More Grandstream OUI for Voice VLAN

GWN7801P Pro Save

Overview Switching Port Basic Settings Port Statistics Loopback Detection Port Auto Recovery Link Aggregation MAC Address Table **VLAN** Spanning Tree IP Multicast AV Control Routing PoE QoS

VLAN VLAN Port Settings Port Members Voice VLAN OUI MAC VLAN Protocol VLAN

Add Delete

OUI Address	Mask	Description	Operation
00:08:82:00:00:00	FFFF:FF:00:00:00:00	Grandstream	✎ ✕
C0:74:AD:00:00:00	FFFF:FF:00:00:00:00	Grandstream	✎ ✕
EC:74:D7:00:00:00	FFFF:FF:00:00:00:00	Grandstream	✎ ✕
14:4C:FF:00:00:00	FFFF:FF:00:00:00:00	Grandstream	✎ ✕
00:ED:8B:00:00:00	FFFF:FF:00:00:00:00	3COM	✎ ✕
00:03:4B:00:00:00	FFFF:FF:00:00:00:00	Cisco	✎ ✕
00:ED:75:00:00:00	FFFF:FF:00:00:00:00	Vertel	✎ ✕
00:00:1E:00:00:00	FFFF:FF:00:00:00:00	Pingtel	✎ ✕
00:01:E3:00:00:00	FFFF:FF:00:00:00:00	Siemens	✎ ✕
00:60:89:00:00:00	FFFF:FF:00:00:00:00	NEC_Philips	✎ ✕
00:0F:E2:00:00:00	FFFF:FF:00:00:00:00	H3C	✎ ✕
00:09:6E:00:00:00	FFFF:FF:00:00:00:00	Avaya	✎ ✕
00:04:F2:00:00:00	FFFF:FF:00:00:00:00	Polycam	✎ ✕
64:16:7F:00:00:00	FFFF:FF:00:00:00:00	Polycam	✎ ✕
00:8B:83:00:00:00	FFFF:FF:00:00:00:00	Cisco	✎ ✕

MAC Address Hashing Algorithm

MAC Address Table

Dynamic Addresses Static MAC Addresses Blockhole Addresses Port Secure Addresses MAC Address Migration Record

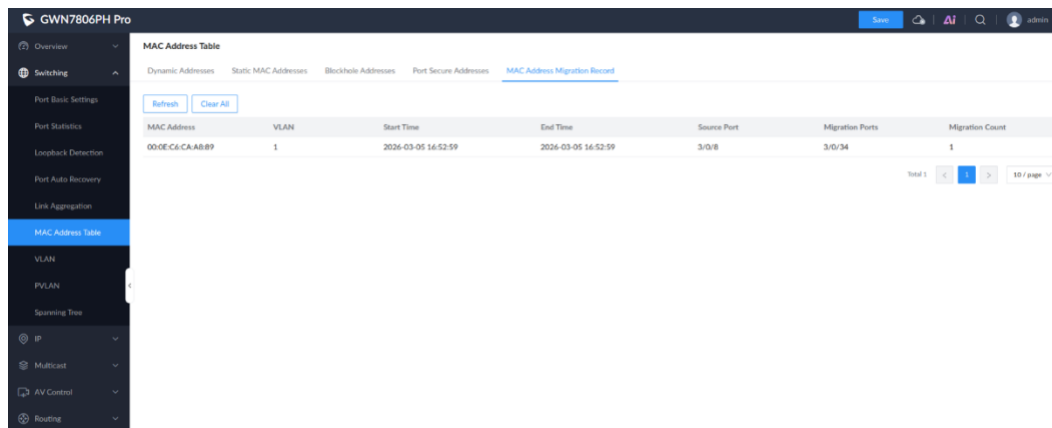
• Aging Time (s) Valid range is 0 and 60-1000000

MAC Address Hashing Algorithm Mode 1

Changing the mode will affect the MAC address table functionality. Please reboot the device now for the changes to take effect.

Cancel OK

MAC address migration record

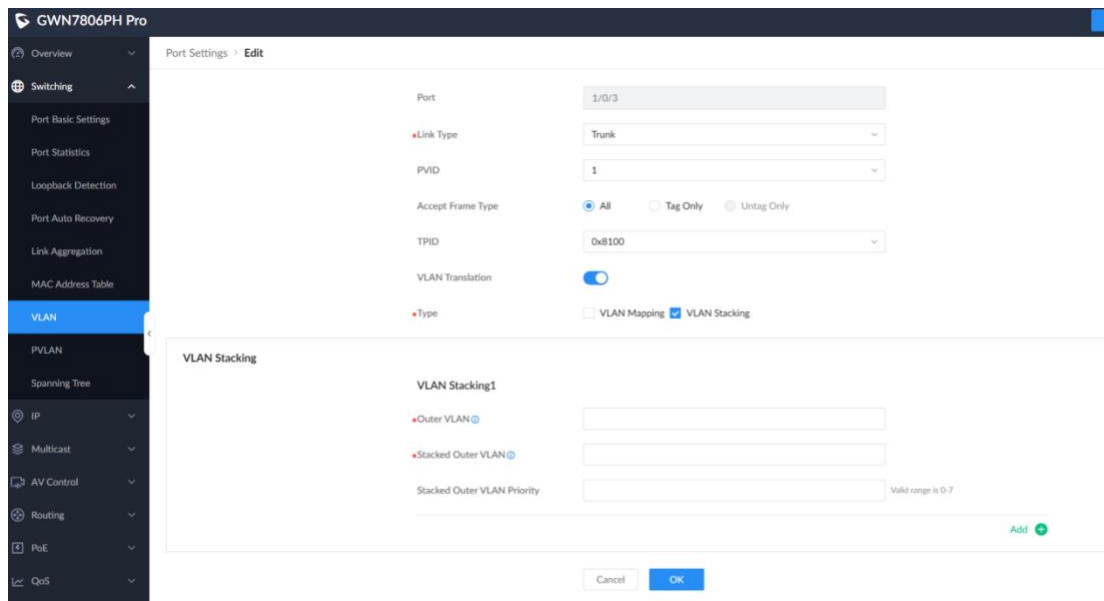


The screenshot shows the 'MAC Address Migration Record' page in the GWN7806PH Pro web interface. The left sidebar contains navigation options: Overview, Switching, Port Basic Settings, Port Statistics, Loopback Detection, Port Auto Recovery, Link Aggregation, MAC Address Table (selected), VLAN, PVID, Spanning Tree, IP, Multicast, AV Control, and Routing. The main content area displays a table with columns: MAC Address, VLAN, Start Time, End Time, Source Port, Migration Ports, and Migration Count. A single record is shown for MAC address 00:0E:C6:CA:A8:B9 on VLAN 1, with migration occurring on 2024-03-05 16:52:59 from source port 3/0/18 to migration ports 3/0/34, with a count of 1. Below the table, there are pagination controls showing 'Total 1' and '1 / page'.

MAC Address	VLAN	Start Time	End Time	Source Port	Migration Ports	Migration Count
00:0E:C6:CA:A8:B9	1	2024-03-05 16:52:59	2024-03-05 16:52:59	3/0/18	3/0/34	1

VLAN Stacking function

The primary function of VLAN Stacking is to encapsulate the user's private VLAN tag within the public VLAN tag of the carrier's network during transmission. This solution addresses two critical issues: first, it expands the number of available VLANs, surpassing the limit of 4096; and second, it establishes Layer 2 isolation for user traffic, ensuring that traffic originating from different users remains isolated within the carrier's network while still enabling transmission across various geographic locations.



The screenshot shows the 'VLAN Stacking' configuration page in the GWN7806PH Pro web interface. The left sidebar is the same as the previous screenshot. The main content area is titled 'Port Settings - Edit' and shows various port configuration options. The 'VLAN Stacking' section is expanded, showing the following settings:

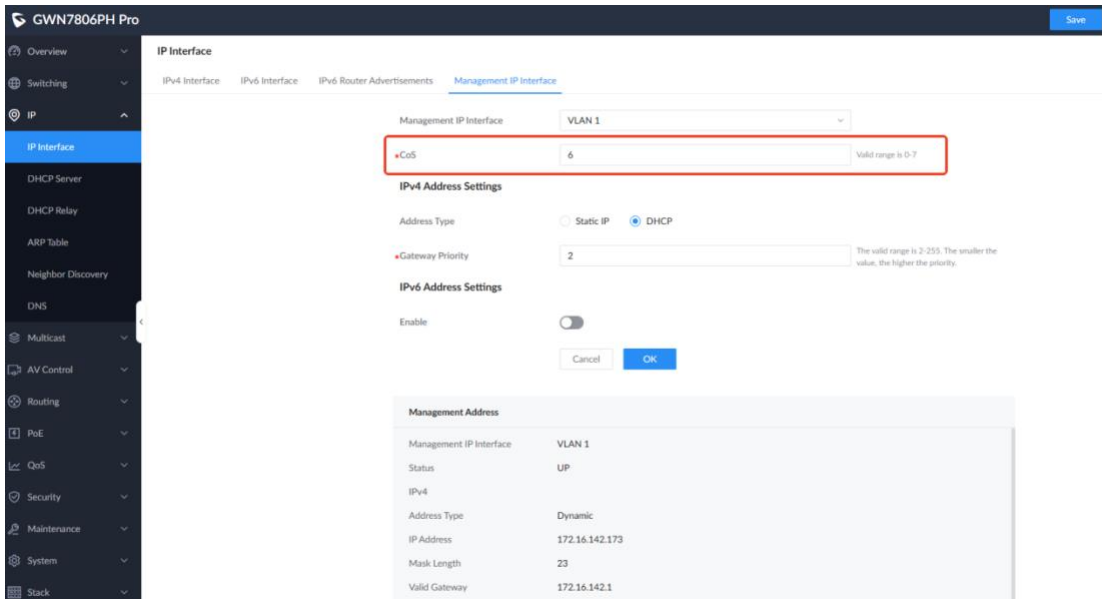
- Port: 1/0/3
- Link Type: Trunk
- PVID: 1
- Accept Frame Type: All (selected), Tag Only, Untag Only
- TPID: 0x8100
- VLAN Translation: Enabled (toggle)
- Type: VLAN Mapping (unchecked), VLAN Stacking (checked)

Below these settings, the 'VLAN Stacking' section is expanded, showing the following fields:

- VLAN Stacking1: (empty)
- Outer VLAN: (empty)
- Stacked Outer VLAN: (empty)
- Stacked Outer VLAN Priority: (empty)

At the bottom right of the 'Stacked Outer VLAN' field, there is a note: 'Valid range is 0-7'. At the bottom of the configuration area, there are 'Cancel' and 'OK' buttons.

CoS for management IP interface



GWN7806PH Pro Save

IP Interface

IPV4 Interface | IPV6 Interface | IPV6 Router Advertisements | Management IP Interface

Management IP Interface: VLAN 1

• CoS: 6 Valid range is 0-7

IPv4 Address Settings

Address Type: ☐ Static IP ☒ DHCP

• Gateway Priority: 2 The valid range is 2-255. The smaller the value, the higher the priority.

IPv6 Address Settings

Enable: ☐

Cancel OK

Management Address

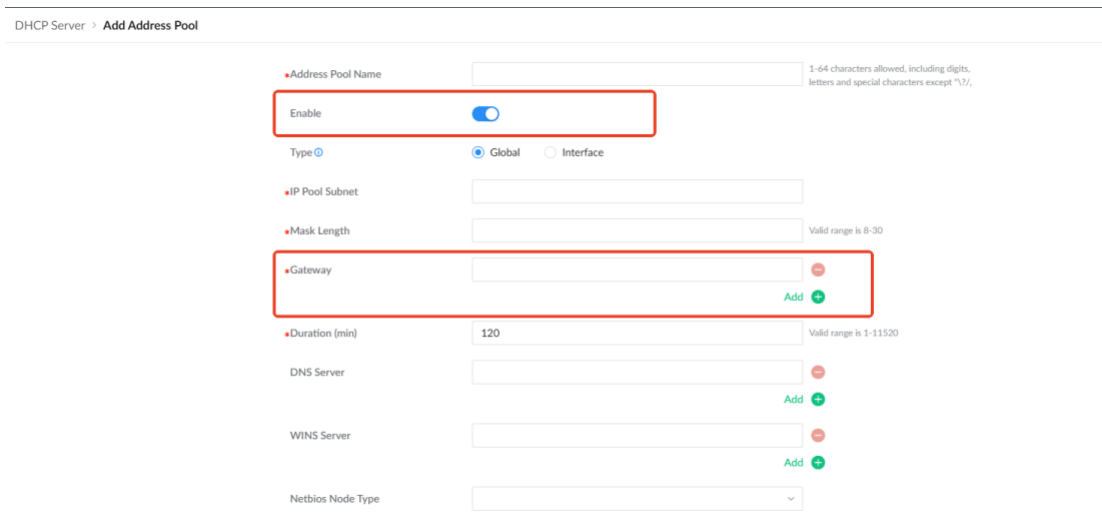
Management IP Interface	VLAN 1
Status	UP
IPv4	
Address Type	Dynamic
IP Address	172.16.142.173
Mask Length	23
Valid Gateway	172.16.142.1

Optimize address pool settings of DHCP server

Implement support for enabling and disabling DHCP for each address pool.

Add a gateway for the global address pool.

Optimize DHCP option settings.



DHCP Server > Add Address Pool

• Address Pool Name: 1-64 characters allowed, including digits, letters and special characters except "\/";

Enable: ☒

Type: ☒ Global ☐ Interface

• IP Pool Subnet:

• Mask Length: Valid range is 8-30

• Gateway: Add +

• Duration (min): 120 Valid range is 1-11520

DNS Server: Add +

WINS Server: Add +

Netbios Node Type:

DHCP Option1

DHCP Option The range is 2-254 (excluding 50-54, 56, 58, 59, 61 and 82)

Type ^

Option Content 0-256 characters, and must be even

[Add](#) 

Optimize ARP/NDP

Divided into a configuration table and an effective table.

GWN7806PH Pro Save   admin

ARP Table

ARP Table Static ARP

*Aging Time (s) Range 60-21400, associated with the aging time of Neighbor Table

ARP Learning Strict ☐

Cancel OK

ARP Table

Refresh Validity

All Types

☐	IP Address	MAC Address	IP Interface	Interface	Type	Expiration (s)	Operation
☐	172.16.142.1	7c7a3c81e572	VLAN 1	1/0/8	Dynamic	651	
☐	172.16.143.19	d05fafe02e6e	VLAN 1	1/0/8	Dynamic	950	
☐	172.16.143.8	c074adba24cb	VLAN 1	1/0/8	Dynamic	325	
☐	172.16.143.1	b46415cd8dbbc	VLAN 1	1/0/8	Dynamic	1195	
☐	172.16.142.165	c074adb93b16	VLAN 1	1/0/8	Dynamic	465	
☐	172.16.142.154	78605b67f66f	VLAN 1	1/0/8	Dynamic	520	
☐	172.16.142.146	c074adb93bdc	VLAN 1	1/0/8	Dynamic	1181	
☐	172.16.142.143	c07478110090	VLAN 1	1/0/8	Dynamic	350	
☐	172.16.142.142	c07478119030	VLAN 1	1/0/8	Dynamic	1059	
☐	172.16.142.141	c074adccdf44	VLAN 1	1/0/8	Dynamic	325	

Total 26 < 1 2 3 > 10 / page Go to

GWN7806PH Pro Save   admin

ARP Table

ARP Table Static ARP

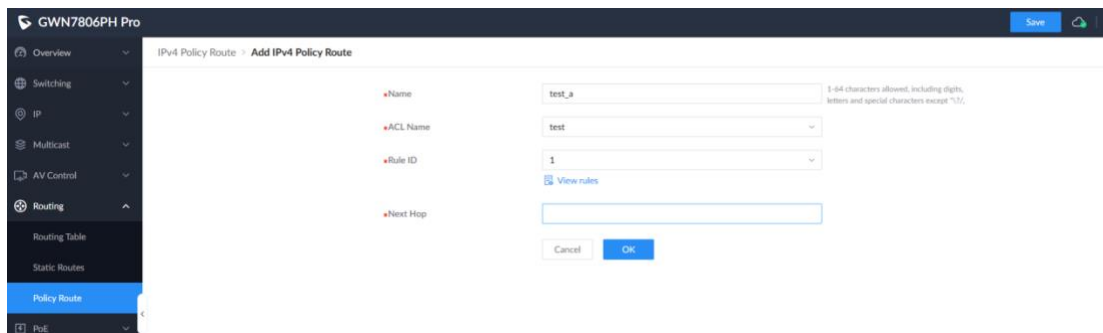
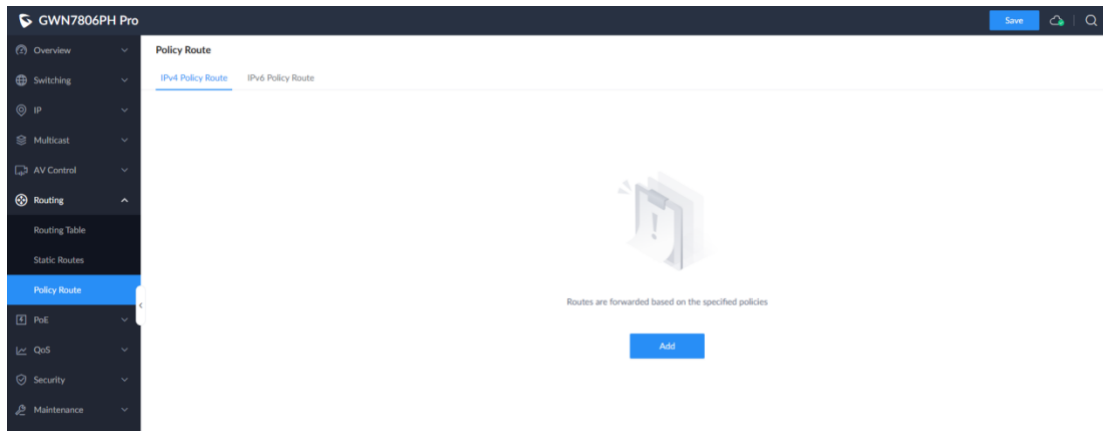
Add Quick Add Delete Delete All

☐	IP Address	IP Interface	MAC Address	Operation
☐	172.16.143.1	VLAN 1	B46415C6D8BC	 
☐	172.16.142.135	VLAN 1	EC74D73D917C	 

Total 2 < 1 > 10 / page

Policy Route

Routing forwarding according to user-defined policies.



Policy Route

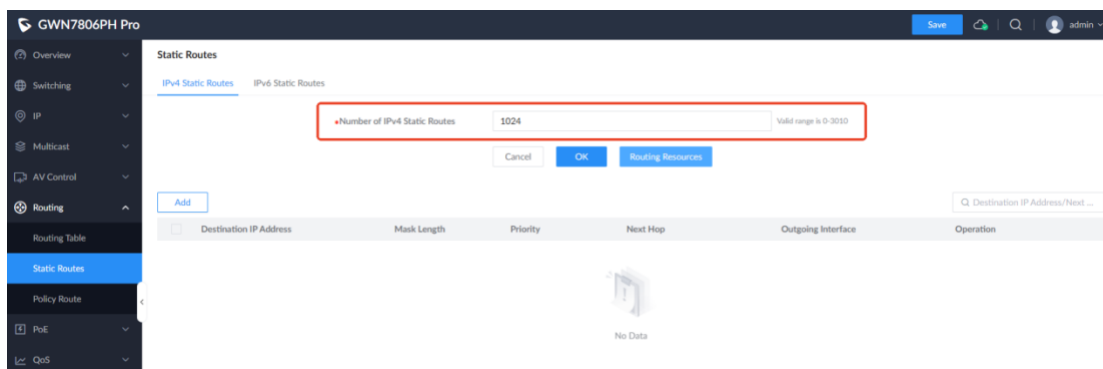
IPv4 Policy Route IPv6 Policy Route

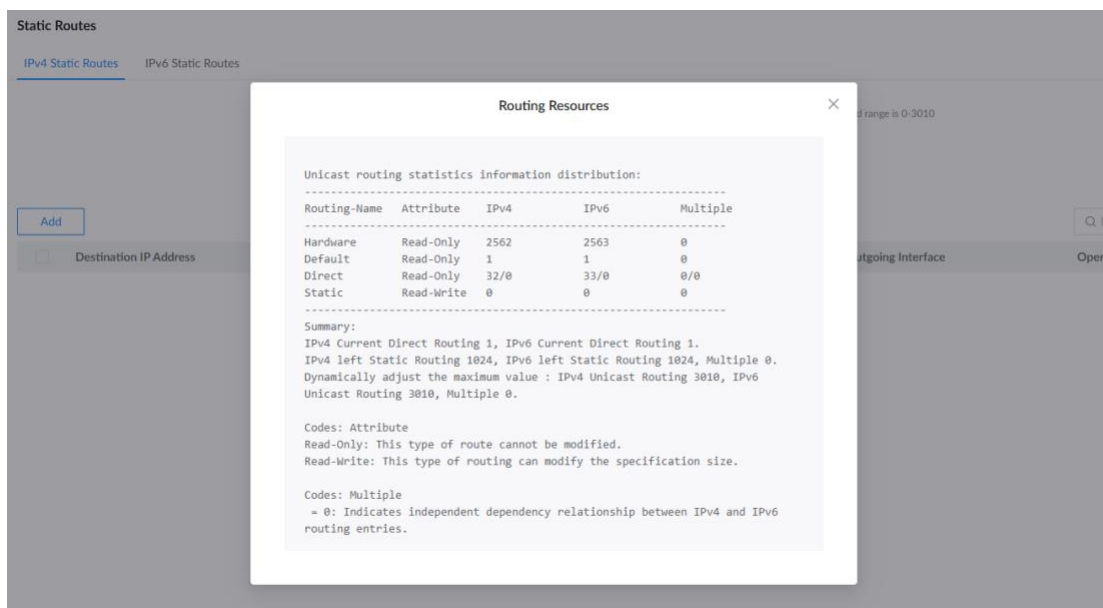
[Add](#) [Delete](#)

☐	Name	Status	ACL Name	Rule ID	Next Hop	Operation
☐	test_a	Disabled	test	1	172.16.142.34	Edit Delete

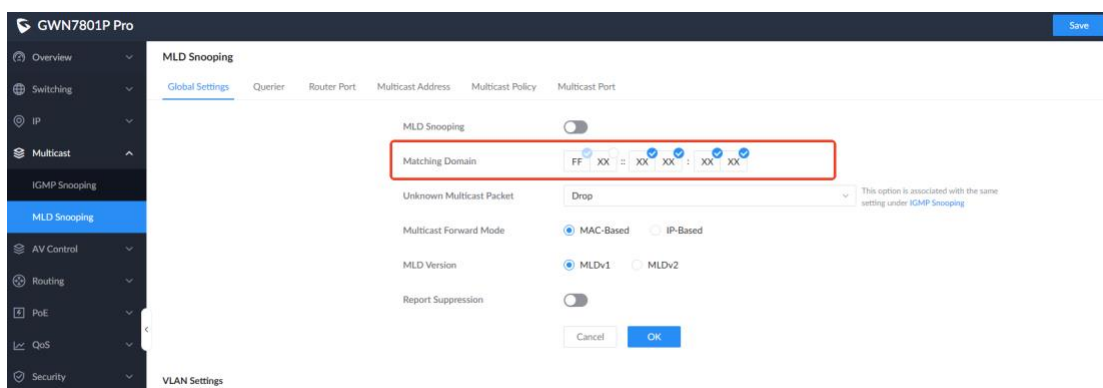
Total 1 [<](#) [1](#) [>](#) 10 / page

User-customized static route specification





MLD Matching Domain under MLD Snooping (GWN7801P Pro, GWN7802P Pro, GWN7803 Pro Only)



Optimize Port Isolation function

Support multiple isolation groups.

Support unidirectional isolation and bidirectional isolation,

- Unidirectional isolation: The isolation group interface stops sending data to the unidirectionally isolated interface.
- Bidirectional isolation: Neither interface sends data to the other.

GWN7806PH Pro Save admin

Port Isolation

Isolation Mode

☒ Layer 2 isolated, Layer 3 communication

☐ Both Layer 2 and Layer 3 are isolated

Cancel OK

Isolation Group

Clear Configuration

Unidirectional Isolation: The isolation group interface stops sending data to the unidirectionally isolated interface. Bidirectional isolation: Neither interface sends data to the other.

Interface	Bidirectional Isolation	Unidirectional Isolation	Operation
☐ 1/0/1	--	--	✓ ✕
☐ 1/0/2	--	--	✓ ✕
☐ 1/0/3	--	--	✓ ✕
☐ 1/0/4	--	--	✓ ✕
☐ 1/0/5	--	--	✓ ✕
☐ 1/0/6	--	--	✓ ✕
☐ 1/0/7	--	--	✓ ✕
☐ 1/0/8	--	--	✓ ✕
☐ 1/0/9	--	--	✓ ✕
☐ 1/0/10	--	--	✓ ✕

Total 86 < 1 2 3 ... 9 > 10 / page Go to

GWN7806PH Pro Save admin

Port Isolation **Edit Isolation Group**

Port 1/0/4

Bidirectional Isolation
Click on port to select/unselect

Port

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49

LAG

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31

Unidirectional Isolation
Click on port to select/unselect

Port

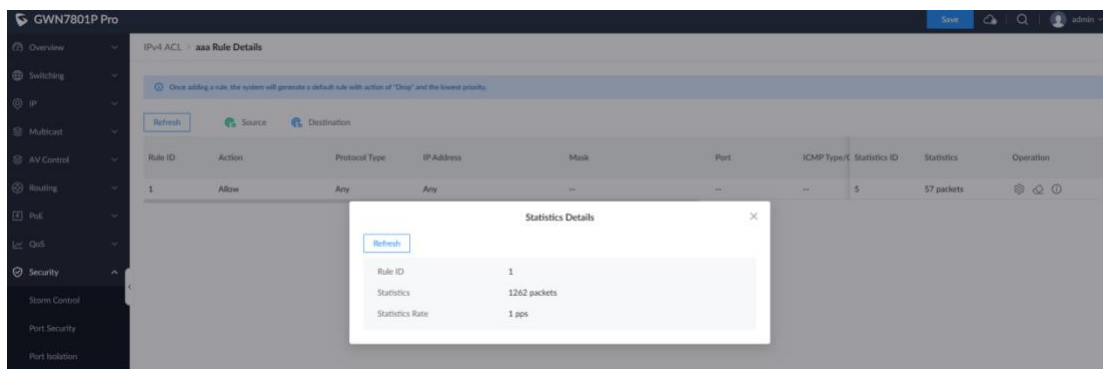
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31

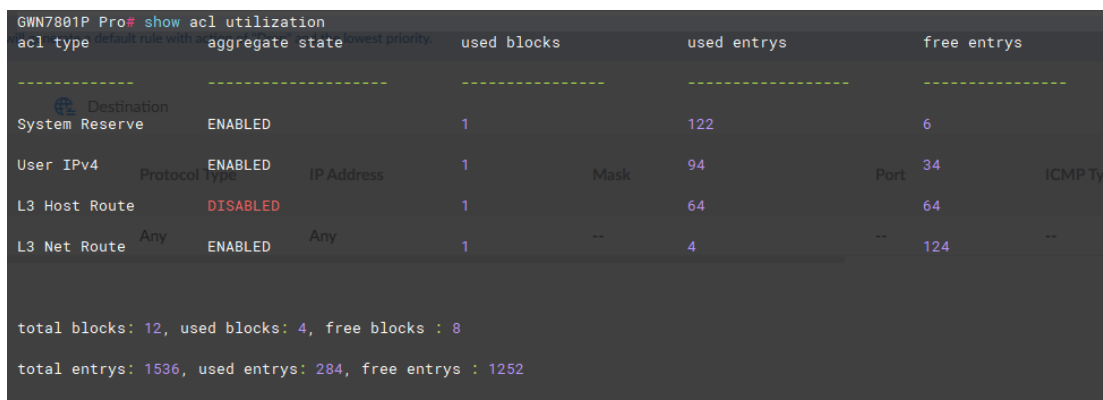
Cancel OK

ACL advanced statistics settings

Added ACL statistics rate, and support refresh.

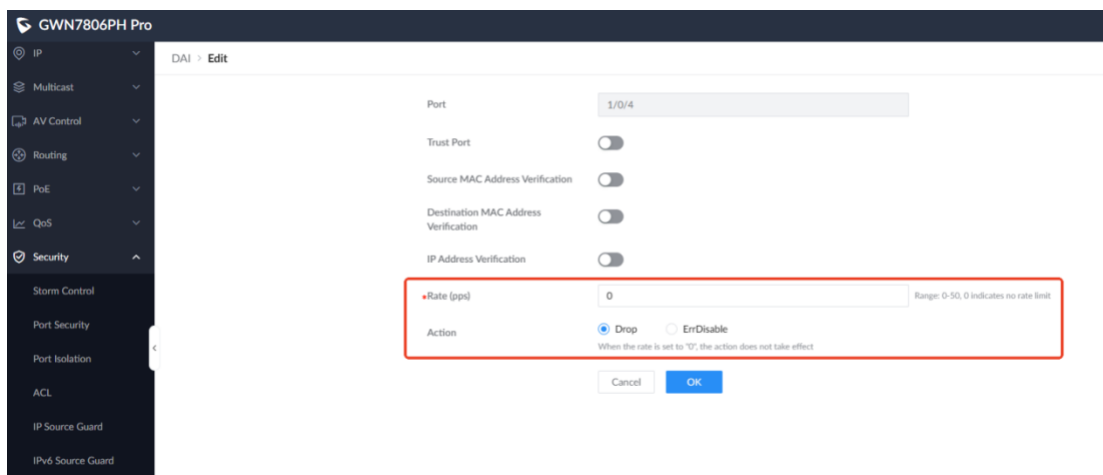


Add ACL utilization in CLI.



Support drop packets when rate is non-0 and counter dropped packets.

When port rate is set to 0, support drop packets or errdisable port. And, add rate-limited dropped packets statistics under Statistics.



GWN7806PH Pro

DAI

Clear Refresh

Port	Destination MAC Address Verification Failures	Source IP Address Verification Failures	Destination IP Address Verification Failures	IP-MAC Verification Failures	Rate-limited Dropped Packets	Operation
☐ 1/0/1	0	0	0	0	0	
☐ 1/0/2	0	0	0	0	0	
☐ 1/0/3	0	0	0	0	0	
☐ 1/0/4	0	0	0	0	0	
☐ 1/0/5	0	0	0	0	0	
☐ 1/0/6	0	0	0	0	0	
☐ 1/0/7	0	0	0	0	0	
☐ 1/0/8	0	0	0	0	0	
☐ 1/0/9	0	0	0	0	0	
☐ 1/0/10	0	0	0	0	0	

Total 10 / page 10

Optimize Identity Authentication Management

Added import/export local user of MAC-based.

Identity Authentication Management

Port Mode Port Authentication Sessions Local User of MAC-based

Add Delete Delete All Import Export

MAC Address	Name	Port Control	VLAN	Reauthentication Time (s)	Inactive Time (s)	Operation
☐ 00:08:82:12:23:45	Wednesday	Force authentication	--	--	--	

Total 1

Import

Upload CSV File

Select file to upload

[Reference Template](#)

Cancel OK

Added name description for local user of MAC-based.

Identity Authentication Management

Port Mode Port Authentication Sessions Local User of MAC-based

Add Delete Delete All Import Export

MAC Address	Name	Port Control	VLAN	Reauthentication Time (s)	Inactive Time (s)	Operation
☐ 00:08:82:12:23:45	Wednesday	Force authentication	--	--	--	

Total 1

Add Local User of MAC-based

The MAC address of local user must be a unicast one.

MAC Address: 00 : 08 : 82 : 23 : 45 : 67

Name: 0-32 characters allowed, including digits, letters and special characters except "/,/.
Emily

Port Control: ☒ Force authentication ☐ Force unauthentication

VLAN: Valid range is 1-4094

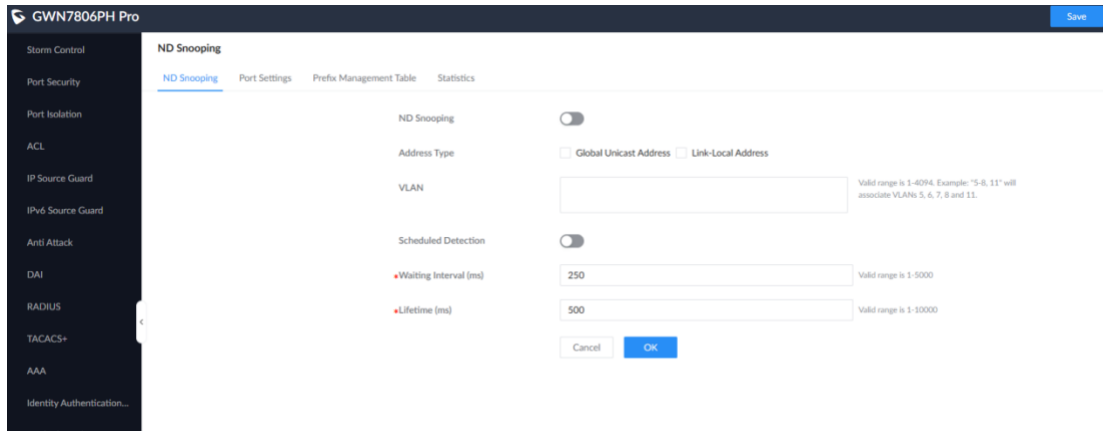
Reauthentication Time (s): Valid range is 300-2147483647

Inactive Time (s): Valid range is 60-65535

Cancel OK

ND Snooping

The Network Address Translation (NAT) Snooping function serves as a security mechanism that establishes a legitimate mapping of IPv6 addresses and ports. By collaborating with features such as NAT Inspection and IPv6 Source Guard, it ensures the authenticity of packets, thereby mitigating potential attacks associated with the Network Address Translation (NAT) protocol, including address spoofing and gateway impersonation.



GWN7806PH Pro Save

Storm Control

Port Security

Port Isolation

ACL

IP Source Guard

IPv6 Source Guard

Anti Attack

DHCP

RADIUS

TACACS+

AAA

Identity Authentication...

ND Snooping

ND Snooping ☒

Address Type ☐ Global Unicast Address ☐ Link-Local Address

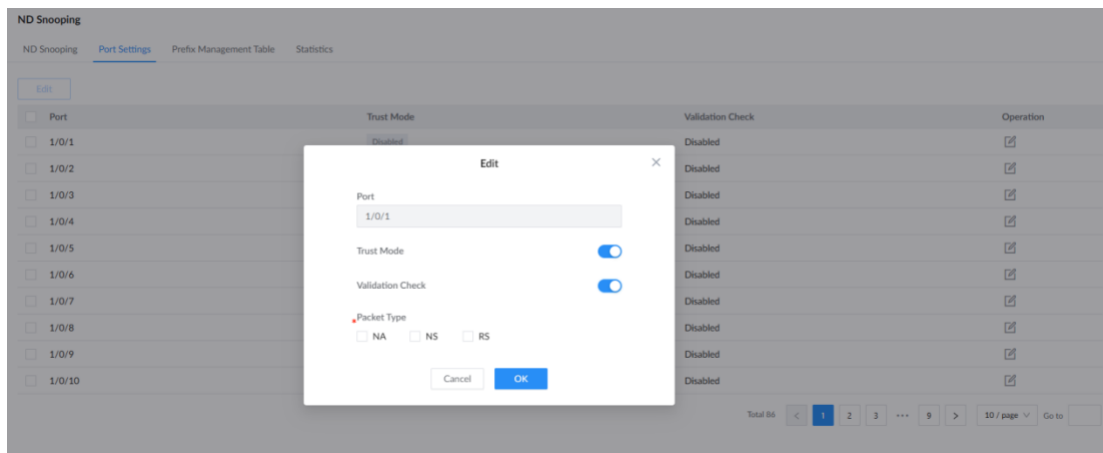
VLAN Valid range is 1-4094. Example: "5-8, 11" will associate VLANs 5, 6, 7, 8 and 11.

Scheduled Detection ☒

Waiting Interval (ms) Valid range is 1-10000

Lifetime (ms) Valid range is 1-10000

Cancel OK



ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Edit

Port	Trust Mode	Validation Check	Operation
☐ 1/0/1	Disabled	Disabled	☒
☐ 1/0/2	Disabled	Disabled	☒
☐ 1/0/3	Disabled	Disabled	☒
☐ 1/0/4	Disabled	Disabled	☒
☐ 1/0/5	Disabled	Disabled	☒
☐ 1/0/6	Disabled	Disabled	☒
☐ 1/0/7	Disabled	Disabled	☒
☐ 1/0/8	Disabled	Disabled	☒
☐ 1/0/9	Disabled	Disabled	☒
☐ 1/0/10	Disabled	Disabled	☒

Edit

Port

Trust Mode ☒

Validation Check ☒

Packet Type ☐ NA ☐ NS ☐ RS

Cancel OK

Total 06 < 1 2 3 ... 9 > 10 / page Go to

ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Refresh Add Solidify Delete

IPv6 Address/Prefix Length	VLAN	Type	Lease Time (s)	Operation
Add IPv6 Address Prefix Length Valid range is 1-128 VLAN Valid range is 1-4094 Cancel OK				

ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Clear Refresh

Port	Total Rx Packets	NS Packets	NA Packets	RS Packets	RA Packets	Other Packets	Tx Packets	Dropped Packets	Operation
☐ 1/0/1	0	0	0	0	0	0	0	0	
☐ 1/0/2	0	0	0	0	0	0	0	0	
☐ 1/0/3	0	0	0	0	0	0	0	0	
☐ 1/0/4	0	0	0	0	0	0	0	0	
☐ 1/0/5	0	0	0	0	0	0	0	0	
☐ 1/0/6	0	0	0	0	0	0	0	0	
☐ 1/0/7	0	0	0	0	0	0	0	0	
☐ 1/0/8	0	0	0	0	0	0	0	0	
☐ 1/0/9	0	0	0	0	0	0	0	0	
☐ 1/0/10	0	0	0	0	0	0	0	0	

Total 86 < 1 2 3 ... 9 > 10 / page Go to

Auto Backup

Added auto backup function. Select the backup time, and the switch will automatically back the running configuration file.

GWN7806PH Pro

Backup & Restore

Factory Reset

After factory reset, all settings on the switch will be restored to factory default. It is recommended to back up the current configuration before factory resetting.

Factory Reset

Restore Configuration

Switch configuration can be restored by importing a configuration file. If restoration fails, a hard reset to factory settings may be necessary. To hard reset, hold down the RESET button on the front of switch for five seconds and let go.

Upload Configuration File

Backups

Back Up Running Configurations Back Up Saved Configurations Import **Scheduled Backup (Off)**

Name	Date	Size	Restore Configuration
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260306094604_Upgrade.cfg	2026/03/06_09:46:04	3.7KB	
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305192247_Upgrade.cfg	2026/03/05_19:22:47	3.61KB	
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305181704_Upgrade.cfg	2026/03/05_18:17:04	3.61KB	
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305180355_Upgrade.cfg	2026/03/05_18:03:55	3.62KB	
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305174639_Upgrade.cfg	2026/03/05_17:46:39	3.55KB	
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305164657_Upgrade.cfg	2026/03/05_16:46:57	3.58KB	

Backup & Restore > Scheduled Backup

Scheduled Backup



Backup Time

Sunday Morning_10:00

Cancel

OK

Support selects one configuration file to use when device reboots.

Backups

[Back Up Running Configurations](#)
[Back Up Saved Configurations](#)
[Import](#)
[Scheduled Backup \(OFF\)](#)

Name	Date	Size	Restore Configuration on Reboot	Operation
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305192247_Upgrade.cfg	2026/03/05_19:22:47	3.61KB	☒	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260306094604_Upgrade.cfg	2026/03/06_09:46:04	3.7KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305181704_Upgrade.cfg	2026/03/05_18:17:04	3.61KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305180355_Upgrade.cfg	2026/03/05_18:03:55	3.62KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305174639_Upgrade.cfg	2026/03/05_17:46:39	3.55KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305164657_Upgrade.cfg	2026/03/05_16:46:57	3.58KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305151205_Upgrade.cfg	2026/03/05_15:12:05	3.5KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-3-01_20260304160604_Upgrade.cfg	2026/03/04_16:06:04	3.3KB	☐	Download Refresh Delete

Capture function

This feature is now supported in all Pro models.

Select local PC and TFTP server to save capture file.

By setting the capture time, the switch can automatically capture matching packets within the specified time.

Switching

IP

Multicast

AV Control

Routing

PoE

QoS

Security

Maintenance

Upgrade

Diagnostics

Backup & Restore

SNMP

RMON

LLDP/LLDP-MED

Diagnostics

Logs Ping Ping Watchdog Traceroute Mirroring Fiber Module Copper Test One-click Debugging **Capture** Management Platform Connection Diagnostics

Basic Settings

Storage Location ☒ Local PC ☐ TFTP Server

Capture Duration (Min) 30

Format ☒ pcap ☐ tar

If capturing packets for an extended period, it is recommended to choose the tar format for segmented packet capture file generation.

Packet Matching

VLAN

Source MAC Address

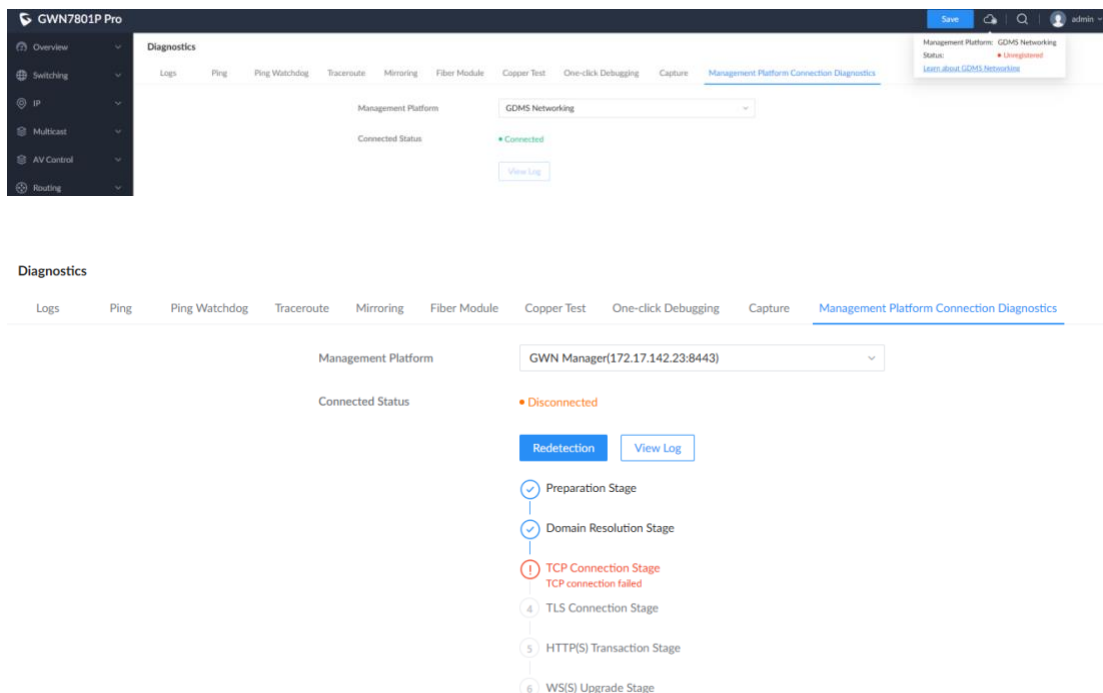
Destination MAC Address

Port

Start Capturing

Optimized management platform connection diagnostics

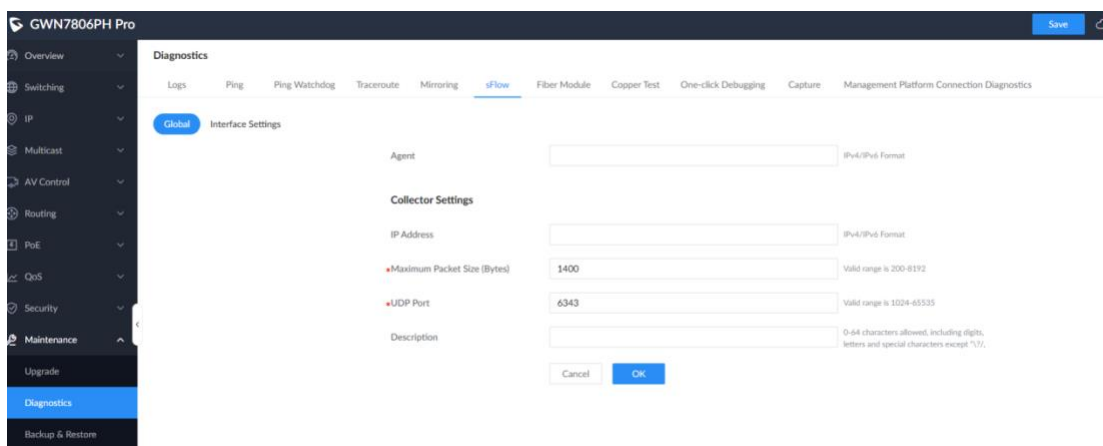
Display all link connection status, including GDMS Networking, GWN Manager and GWN routers.



sFlow function

This feature is only supported in GWN7806 PH/PL Pro.

sFlow function is a network monitoring technology that encapsulates traffic monitoring information into data messages through random sampling and application-layer data extraction, and sends them to a central analyzer in real-time, thereby providing complete visualization and performance analysis of the entire network traffic.



Diagnostics

 Logs Ping Ping Watchdog Traceroute Mirroring **sFlow** Fiber Module Copper Test One-click Debugging Capture Management Platform Connection Diagnostics

 Global **Interface Settings**

Edit

☐ Port	Flow Sampling				Counter Sampling		Operation
	Status	Sampling Direction	Maximum Packet Size (Bytes)	Sampling Rate	Status	Sampling Interval (s)	
☐ 1/0/1	Disabled	--	--	--	Disabled	--	
☐ 1/0/2	Disabled	--	--	--	Disabled	--	
☐ 1/0/3	Disabled	--	--	--	Disabled	--	
☐ 1/0/4	Disabled	--	--	--	Disabled	--	
☐ 1/0/5	Disabled	--	--	--	Disabled	--	
☐ 1/0/6	Disabled	--	--	--	Disabled	--	
☐ 1/0/7	Disabled	--	--	--	Disabled	--	
☐ 1/0/8	Disabled	--	--	--	Disabled	--	
☐ 1/0/9	Disabled	--	--	--	Disabled	--	
☐ 1/0/10	Disabled	--	--	--	Disabled	--	

Total 54 < 1 2 3 ... 6 > 10 / page Go to

 Interface Settings > **Edit Port**

Port

Flow Sampling
 ☒

Sampling Direction
 ☒ Ingress & Egress
 ☐ Ingress
 ☐ Egress

•Maximum Packet Size (Bytes)

Valid range is 128-256

•Sampling Rate

Valid range is 256-65535

Counter Sampling
 ☒

•Sampling Interval (s)

Valid range is 2-3600

Cancel

Optimize SNMP function

Support configure SNMP version when SNMP feature is enabled.

SNMP
☒

•SNMP Version
 ☒ SNMPv1/SNMPv2c
 ☒ SNMPv3

•Local Engine ID

2-56 characters. Value must be an even number and in hexadecimal format.

Reset

Cancel

Remote Engine ID

Support grouped settings for type and OID subtree, and also support setting multiple groups.

View Management > **Add View**

View

1-32 characters allowed, including digits, letters and special characters except ^,/,.

Type & OID Subtree

Type

Included

OID Subtree ⓘ

Add

Cancel

OK

Add AES for encryption mode under User Management.

 User Management > **Add User**

User

1-32 characters allowed, including digits, letters and special characters except ^,/,.

Group

group3

Security Level

AuthPri

Authentication Mode

☒ MD5
 ☐ SHA

Authentication Password

8-32 characters allowed, including digits, letters and special characters except ^,/,.

Encryption Mode

☒ DES
 ☐ AES

Encryption Password

8-32 characters allowed, including digits, letters and special characters except ^,/,.

Cancel

OK

Support more Trap information.

SNMP

Global Settings

View Management

Group Management

Community Management

User Management

Notification Management

Trap Event

STP Bridge

☐

CPU

☐

Monitor ⓘ

☐

Port ErrDisable

☐

MAC Address Notification

☐

Port Security

☐

PoE Power Supply

☐

Logs

☐

VLAN Creation

☐

VLAN Deletion

☐

Configuration Distribution

☐

ARP Notification

☐

Fiber Module Alert

☐

Cancel

OK

Alert

Alert Settings Fiber Module Alert Statistics Scheduled Notification

Device Uptime



Report Interval (s)

300

Valid range is 1-86400

Cancel

OK

Added more alert

Add ARP alert.

Alert

Alert Settings Fiber Module Alert Statistics Scheduled Notification

Type	Alert Status	Log Level	Alert Threshold	Alert Waiting Time (s)	Restore Threshold	Restore Waiting Time (s)
CPU Usage	☒	Error	80 %	30	80 %	10
Memory Usage	☒	Error	80 %	30	80 %	10
PoE Power	☒	Error	80 %	30	80 %	10
Mac Address Exceeds Limit	☒	Error	80 %	30	80 %	10
Temperature	☒	Error	75 °C	30	75 °C	10
Fan Malfunction	☒	Error	--	30	--	10
PoE Chip Malfunction	☒	Error	--	30	--	10
Power Supply Malfunction	☒	Error	--	30	--	10
ARP Limit Exceeded	☒	Error	80 %	30	80 %	10

Cancel

OK

Alert

Alert Settings Fiber Module Alert Statistics Scheduled Notification

Refresh

Device

Type	Current Status	Last Alert Time	Last Alert Actual Value	Last Restore Time	Last restore Actual Value	Alert Times
CPU Usage	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
Memory Usage	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
PoE Power	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
Mac Address Exceeds Limit	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
Temperature	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Fan Malfunction	normal	1970-01-01 08:00:00	--	1970-01-01 08:00:00	--	0
PoE Chip Malfunction	normal	1970-01-01 08:00:00	--	1970-01-01 08:00:00	--	0
Power Supply Malfunction	normal	1970-01-01 08:00:00	--	1970-01-01 08:00:00	--	0
ARP Limit Exceeded	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0

Add fiber module alert.

Alert

 Alert Settings **Fiber Module Alert** Statistics Scheduled Notification

Edit

Port	High Temperature Alert	Low Temperature Alert	Overvoltage Alert	Undervoltage Alert	High Tx Power Alert	Low Tx Power Alert	High Rx Power Alert	Low Rx	Operation
☐ 1/0/49	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/50	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/51	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/52	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/53	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/54	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒

Fiber Module Alert > Edit Port

Port 1/0/49

Type	Alert Status	Log Level	Alert Difference	Alert Waiting Time (s)	Recovery Difference	Restore Waiting Time (s)
High Temperature Alert	☒	Error ▾	0 °C	30	0 °C	10
Low Temperature Alert	☒	Error ▾	0 °C	30	0 °C	10
Overvoltage Alert	☒	Error ▾	0 V	30	0 V	10
Undervoltage Alert	☒	Error ▾	0 V	30	0 V	10
High Tx Power Alert	☒	Error ▾	0 dBm	30	0 dBm	10
Low Tx Power Alert	☒	Error ▾	0 dBm	30	0 dBm	10
High Rx Power Alert	☒	Error ▾	0 dBm	30	0 dBm	10
Low Rx Power Alert	☒	Error ▾	0 dBm	30	0 dBm	10
High Bias Current Alert	☒	Error ▾	0 mA	30	0 mA	10
Low Bias Current Alert	☒	Error ▾	0 mA	30	0 mA	10

Cancel **OK**

Alert

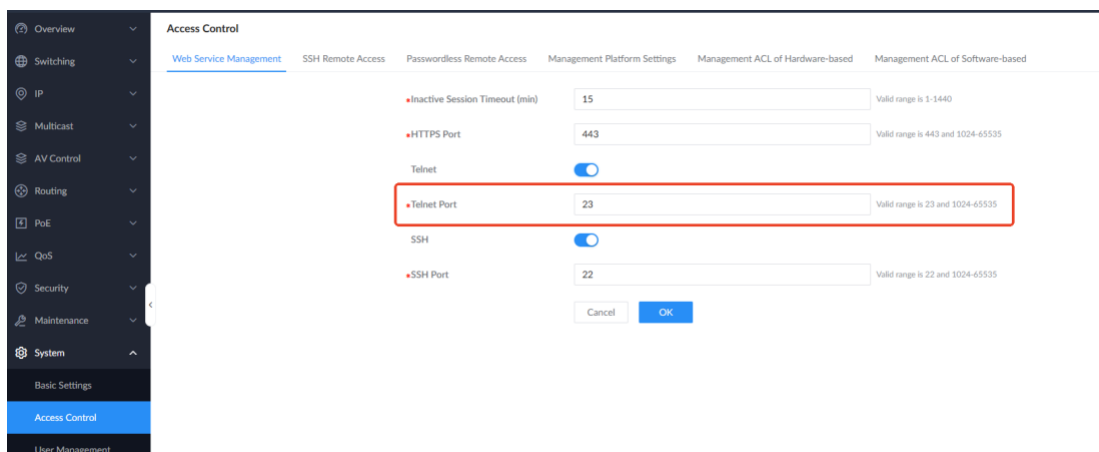
 Alert Settings Fiber Module Alert **Statistics** Scheduled Notification

Refresh

1/0/49 ▾

Type	Current Status	Last Alert Time	Last Alert Actual Value	Last Restore Time	Last restore Actual Value	Alert Times
High Temperature Alert	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Low Temperature Alert	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Overvoltage Alert	normal	1970-01-01 08:00:00	0V	1970-01-01 08:00:00	0V	0
Undervoltage Alert	normal	1970-01-01 08:00:00	0V	1970-01-01 08:00:00	0V	0
High Tx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
Low Tx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
High Rx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
Low Rx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
High Bias Current Alert	normal	1970-01-01 08:00:00	0mA	1970-01-01 08:00:00	0mA	0
Low Bias Current Alert	normal	1970-01-01 08:00:00	0mA	1970-01-01 08:00:00	0mA	0

Port configuration for Telnet



Access Control

Web Service Management | SSH Remote Access | Passwordless Remote Access | Management Platform Settings | Management ACL of Hardware-based | Management ACL of Software-based

Inactive Session Timeout (min): 15 (Valid range is 1-1440)

HTTPS Port: 443 (Valid range is 443 and 1024-65535)

Telnet: ☒

Telnet Port: 23 (Valid range is 23 and 1024-65535)

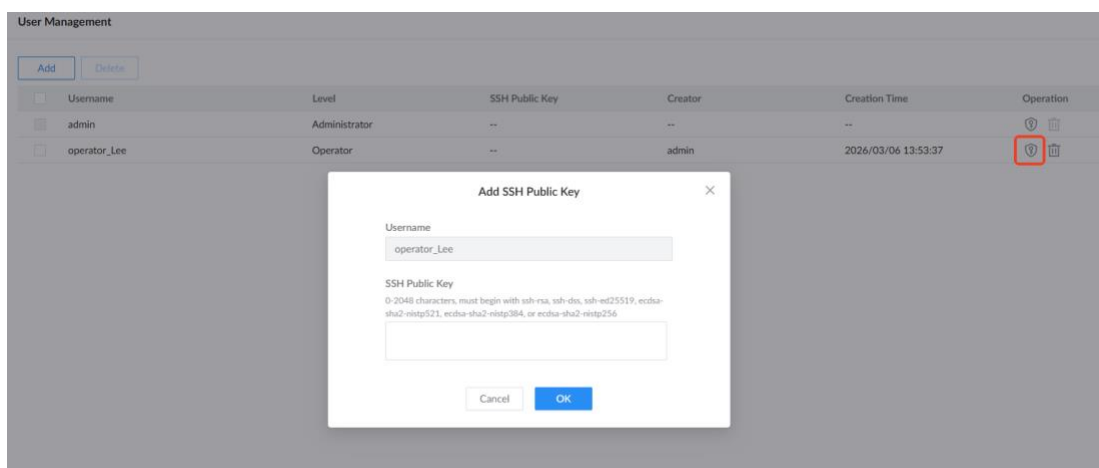
SSH: ☒

SSH Port: 22 (Valid range is 22 and 1024-65535)

Cancel OK

SSH public key for users

Once SSH public key is configured, you can use it to sign in the switch.



User Management

Add Delete

Username	Level	SSH Public Key	Creator	Creation Time	Operation
admin	Administrator	--	--	--	
operator_lee	Operator	--	admin	2026/03/06 13:53:37	

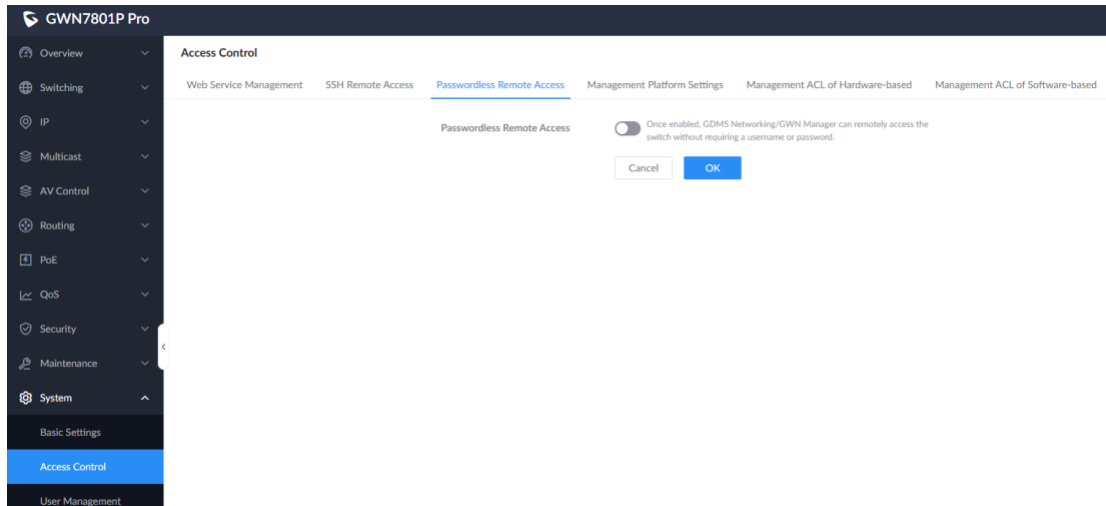
Add SSH Public Key

Username: operator_lee

SSH Public Key
 0-2048 characters, must begin with ssh-rsa, ssh-dss, ssh-ed25519, ecdsa-sha2-nistp521, ecdsa-sha2-nistp384, or ecdsa-sha2-nistp256

Cancel OK

Support passwordless remote access for GDMS Networking and GWN Manager



Add more features with stack.

Support more device features when stacking, including multicast, SNMP, RMON, identity authentication management, and ACL.

Add stack settings for stacking members.

Once stacking is established, every member switch can be configured its stacking settings.

Stack Settings

ⓘ Please ensure that the device ID is unique; otherwise, the device will not be able to join the stack. After the configuration is complete, reboot the switch for the settings to take effect. Use optical modules to cross-connect the stack ports. After connecting, power on the switches. It is recommended to power on the pre-configured primary switch first to form the stack system. Switches in a stack must run the same software version. Please upgrade them to the same version in advance.

Device ID	Device ID for Next Boot	Priority	Priority for Next Boot	Stack Port 1	Stack Port 2	Operation
1	1	1	1	--	--	

Stack Settings > [Edit](#)

Device ID

1

Device ID for Next Boot

1

Valid range is 1-4

Priority

1

Priority for Next Boot

1

The valid range is 1-255. The higher the value, the higher the priority.

Stack Port 1

Please select

Stack Port 2

Please select

Cancel

OK

FIRMWARE VERSION 1.0.17.5 (GWN7806 PH/PL Pro Only)

PRODUCT NAME

GWN7806PH Pro, GWN7806PL Pro

DATE

4/15/2026

FIRMWARE FILE INFORMATION

- GWN 7806PH/PL Pro Firmware file name: gwn7806profw.bin
MD5 checksum: a525ca8288046af45e1addec7613b276

CHANGES/ENHANCEMENT

- Added support for 2.5Gbps SFP+ modules [SFP+ supports 2.5Gbps]
- Added queue packet loss statistics under Port Statistics [**Queue packet loss statistics**]
- Added support for more Grandstream OUI for Voice VLAN [**More Grandstream OUI for Voice VLAN**]
- Added MAC Address Hashing Algorithm for MAC Address [MAC Address Hashing Algorithm]
- Added MAC address migration record [MAC address migration record]
- Added VLAN Stacking function [VLAN Stacking function]
- Added CoS for management IP interface [CoS for management IP interface]
- Optimized address pool settings of DHCP server [Optimize address pool settings of DHCP server]
- Optimized ARP/NDP [Optimize ARP/NDP]
- Added Policy Route function [Policy Route]
- Added user-customized static route specification [**User-customized static route specification**]
- Optimized port security function
- Optimized Port Isolation function [Optimize Port Isolation function]
- Optimized ACL advanced statistics settings [ACL advanced statistics settings]
- Added ACL utilization in CLI [ACL advanced statistics settings]
- Support drop packets when rate is non-0 and counter dropped packets [Support drop packets when rate is non-0 and counter dropped packets.]
- Optimized Identity Authentication Management [Optimize Identity Authentication Management]
- Added ND Snooping [ND Snooping]
- Added auto backup function [Auto Backup]
- Added support to use one configuration file when device reboots
- Added capture function for GWN7806 PH/PL Pro only [Capture function]
- Optimized management platform connection diagnostics [Optimized management platform connection diagnostics]
- Added sFlow function [sFlow function]

- Optimized SNMP function [Optimize SNMP function]
- Added more alert [Added more alert]
- Added port configuration for Telnet [**Port configuration for Telnet**]
- Added SSH public key for users [SSH public key for users]
- Support passwordless remote access for GDMS Networking and GWN Manager [Support passwordless remote access for GDMS Networking and GWN Manager]
- Added more features with Stack [Add more features with stack.]
- Added Stack settings for Stacking members [Add stack settings for stacking members.]
- Increased the limit of "Max Number of Allowed MAC Addresses" to 2000.
- Added filtering option (pip) in CLI.
- Fixed an issue that Auto Voice VLAN fails after provisioning voice VLAN through GWN Cloud.
- Fixed an issue that Incorrect Timezone Offset When Syncing Time from GDMS Cloud.
- Added more VLAN IP interfaces (up to 512).
- Fixed internal bugs.

NEW FEATURE OVERVIEW

SFP+ supports 2.5Gbps

To use SFP+ 2.5Gbps, first set SFP+ speed mode to 2.5Gbps/10Gbps, reboot the device, then configure the speed of SFP+ to 2.5Gbps.

Port Basic Settings

Port Basic Settings Port Group SFP+ Speed Mode

 The speed mode will take effect after saving and rebooting the device.

Port	Speed Mode
1/0/49-1/0/50	☒ 100Mbps/1000Mbps/10Gbps ☐ 2.5Gbps/10Gbps
1/0/51-1/0/52	☐ 100Mbps/1000Mbps/10Gbps ☒ 2.5Gbps/10Gbps
1/0/53-1/0/54	☒ 100Mbps/1000Mbps/10Gbps ☐ 2.5Gbps/10Gbps

Cancel

OK

Port Basic Settings > **Edit Port**

Port	1/0/51
Port Type	SFP+
Description	0-128 characters allowed, including digits, letters and special characters except "\/,"
Port Enable	☒ Enable ☐ Disabled
Scheduled enabled	None
Auto Detect	☐
Speed	2.5Gbps
Duplex Mode	☒ Full
Jumbo Frame	9216 Valid range is 1518-12288
Flow Control	☒ Disabled ☐ Enabled Flow Control setting will not take effect if Duplex Mode is set to "Half".
Cancel OK	

Queue packet loss statistics

GWN7806PH Pro

Overview

Switching

Port Basic Settings

Port Statistics

Loopback Detection

Port Auto Recovery

Link Aggregation

MAC Address Table

VLAN

PVLAN

Spanning Tree

IP

Multicast

Save

Port Statistics

Clear All

Tx

Rx

Refresh Interval: 10s

Port	Rate (bps)	Usage	Bytes	Packets	Error Packets	Queue Dropped Packets	Operation
1/0/1	--	--	--	--	--	--	
1/0/2	--	--	--	--	--	--	
1/0/3	--	--	--	--	--	--	
1/0/4	--	--	--	--	--	--	
1/0/5	--	--	--	--	--	--	
1/0/6	--	--	--	--	--	--	
1/0/7	--	--	--	--	--	--	
1/0/8	1641 19542	0.00% 0.00%	3197870 922058	2821 7658	0 0	0	
1/0/9	--	--	--	--	--	--	
1/0/10	--	--	--	--	--	--	

Total 10

<

1

2

3

...

9

>

10 / page

Go to

Port Statistics

Clear All Tx Rx Refresh Interval 10s

Port	Rate (bps)	TX	Rx	Queue	Queue Dropped Packets	Operation
1/0/1	--					
1/0/2	--					
1/0/3	--					
1/0/4	--					
1/0/5	--					
1/0/6	--					
1/0/7	--					
1/0/8	132052 89094				0	
1/0/9	--					
1/0/10	--					

Total 86 1 2 3 ... 9 10 / page Go to

Port: 1/0/8

TX_egressQueue2SentPktsRT	0
TX_egressQueue3SentPktsRT	0
TX_egressQueue4SentPktsRT	0
TX_egressQueue5SentPktsRT	0
TX_egressQueue6SentPktsRT	18
TX_egressQueue7SentPktsRT	3504
TX_egressQueue0DropSentPktsRT	0
TX_egressQueue1DropSentPktsRT	0
TX_egressQueue2DropSentPktsRT	0
TX_egressQueue3DropSentPktsRT	0
TX_egressQueue4DropSentPktsRT	0
TX_egressQueue5DropSentPktsRT	0
TX_egressQueue6DropSentPktsRT	0
TX_egressQueue7DropSentPktsRT	0

More Grandstream OUI for Voice VLAN

GWN7801P Pro Save

Overview Switching Port Basic Settings Port Statistics Loopback Detection Port Auto Recovery Link Aggregation MAC Address Table **VLAN** Spanning Tree IP Multicast AV Control Routing PoE QoS

VLAN Port Settings Port Members Voice VLAN **OUI** MAC VLAN Protocol VLAN

Add Delete

OUI Address	Mask	Description	Operation
00:08:82:00:00:00	FFFF:FF:00:00:00:00	Grandstream	
C0:74:AD:00:00:00	FFFF:FF:00:00:00:00	Grandstream	
EC:74:D7:00:00:00	FFFF:FF:00:00:00:00	Grandstream	
14:4C:FF:00:00:00	FFFF:FF:00:00:00:00	Grandstream	
00:ED:8B:00:00:00	FFFF:FF:00:00:00:00	3COM	
00:03:4B:00:00:00	FFFF:FF:00:00:00:00	Cisco	
00:ED:75:00:00:00	FFFF:FF:00:00:00:00	Vertel	
00:00:1E:00:00:00	FFFF:FF:00:00:00:00	Pingtel	
00:01:E3:00:00:00	FFFF:FF:00:00:00:00	Siemens	
00:60:89:00:00:00	FFFF:FF:00:00:00:00	NEC_Philips	
00:0F:E2:00:00:00	FFFF:FF:00:00:00:00	H3C	
00:09:6E:00:00:00	FFFF:FF:00:00:00:00	Avaya	
00:04:F2:00:00:00	FFFF:FF:00:00:00:00	Polycm	
64:16:7F:00:00:00	FFFF:FF:00:00:00:00	Polycm	
00:8B:83:00:00:00	FFFF:FF:00:00:00:00	Cisco	

MAC Address Hashing Algorithm

MAC Address Table

Dynamic Addresses Static MAC Addresses Blockhole Addresses Port Secure Addresses MAC Address Migration Record

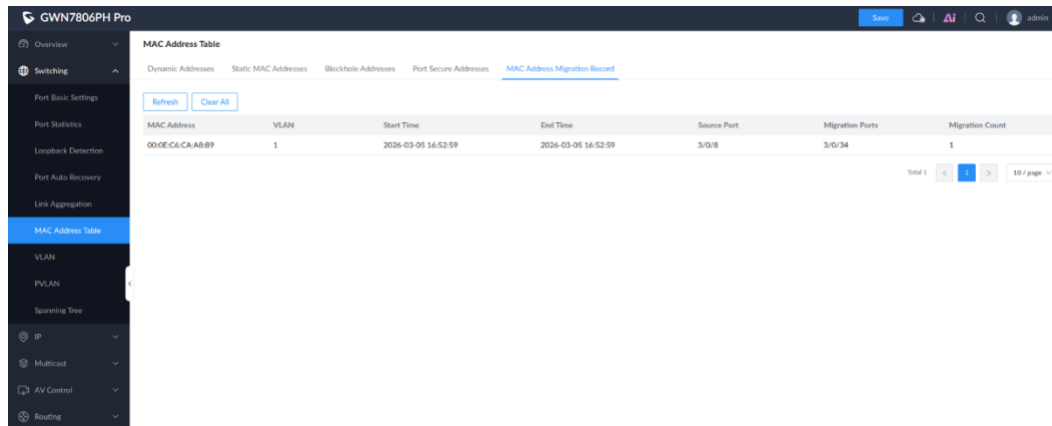
• Aging Time (s) 300 Valid range is 0 and 60-1000000

MAC Address Hashing Algorithm Mode 1

Changing the mode will affect the MAC address table functionality. Please reboot the device now for the changes to take effect.

Cancel OK

MAC address migration record (GWN7806PH/PL Pro Only)

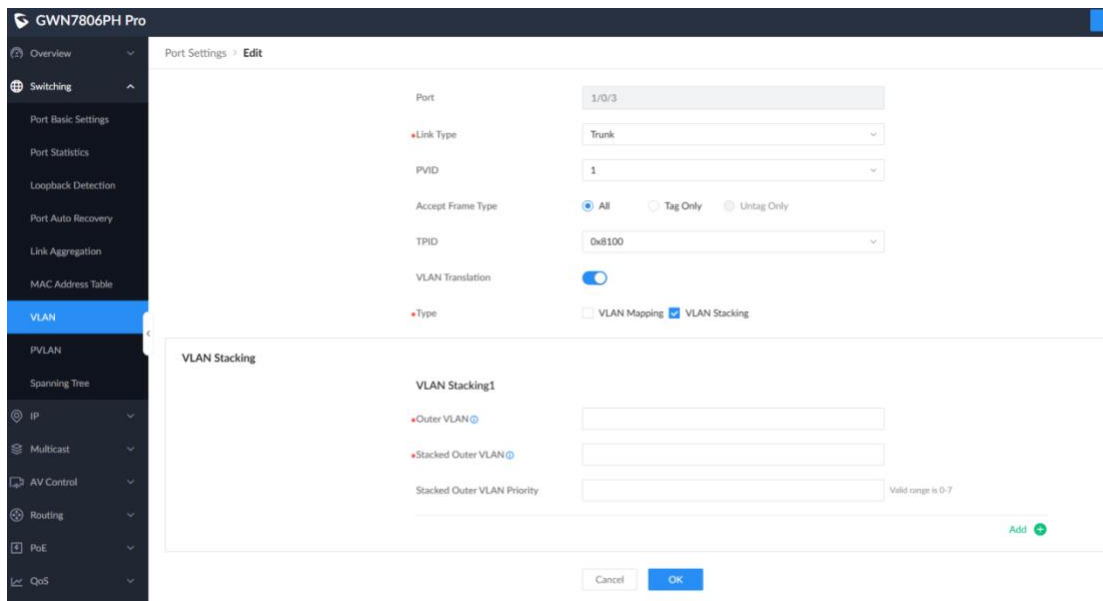


The screenshot shows the 'MAC Address Migration Record' page in the GWN7806PH Pro web interface. The left sidebar contains navigation options: Overview, Switching, Port Basic Settings, Port Statistics, Loopback Detection, Port Auto Recovery, Link Aggregation, MAC Address Table (selected), VLAN, PVLAN, Spanning Tree, IP, Multicast, AV Control, and Routing. The main content area has tabs for Dynamic Addresses, Static MAC Addresses, Blackhole Addresses, Port Secure Addresses, and MAC Address Migration Record (selected). Below the tabs are 'Refresh' and 'Clear All' buttons. A table displays migration records with columns: MAC Address, VLAN, Start Time, End Time, Source Port, Migration Ports, and Migration Count. The table contains one record for MAC address 00:0E:C6:CA:A8:B9 on VLAN 1, with start and end times of 2026-03-05 16:52:59, source port 3/0/18, migration ports 3/0/34, and a migration count of 1. A pagination bar at the bottom indicates 'Total 1' and '10 / page'.

MAC Address	VLAN	Start Time	End Time	Source Port	Migration Ports	Migration Count
00:0E:C6:CA:A8:B9	1	2026-03-05 16:52:59	2026-03-05 16:52:59	3/0/18	3/0/34	1

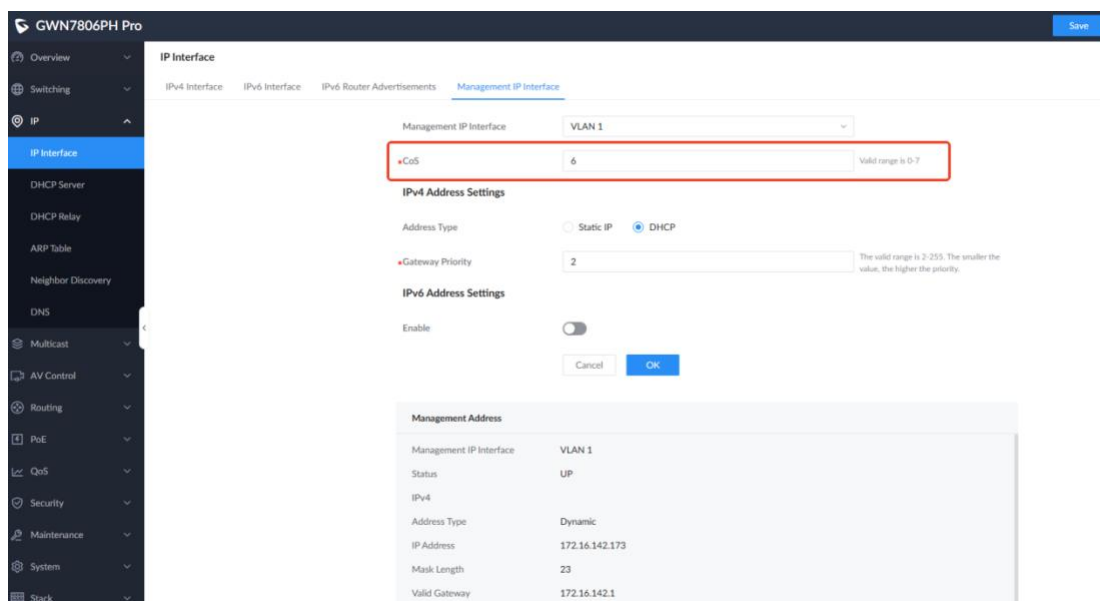
VLAN Stacking function

The primary function of VLAN Stacking is to encapsulate the user's private VLAN tag within the public VLAN tag of the carrier's network during transmission. This solution addresses two critical issues: first, it expands the number of available VLANs, surpassing the limit of 4096; and second, it establishes Layer 2 isolation for user traffic, ensuring that traffic originating from different users remains isolated within the carrier's network while still enabling transmission across various geographic locations.



The screenshot shows the 'Port Settings - Edit' page in the GWN7806PH Pro web interface. The left sidebar is the same as the previous screenshot. The main content area shows configuration options for a port (1/0/3). The 'Link Type' is set to 'Trunk', 'PVID' is 1, 'Accept Frame Type' is 'All', and 'TPID' is '0x8100'. The 'VLAN Translation' toggle is turned on. Under the 'Type' section, 'VLAN Mapping' is unchecked and 'VLAN Stacking' is checked. Below this, the 'VLAN Stacking' section is expanded, showing 'VLAN Stacking1' with fields for 'Outer VLAN' (empty), 'Stacked Outer VLAN' (empty), and 'Stacked Outer VLAN Priority' (empty). A note indicates 'Valid range is 0-7'. There is an 'Add' button with a green plus icon. At the bottom are 'Cancel' and 'OK' buttons.

CoS for management IP interface



GWN7806PH Pro Save

IP Interface

Management IP Interface: VLAN 1

• CoS: 6 Valid range is 0-7

IPv4 Address Settings

Address Type: ☐ Static IP ☒ DHCP

• Gateway Priority: 2 The valid range is 2-255. The smaller the value, the higher the priority.

IPv6 Address Settings

Enable: ☐

Cancel OK

Management Address	
Management IP Interface	VLAN 1
Status	UP
IPv4	
Address Type	Dynamic
IP Address	172.16.142.173
Mask Length	23
Valid Gateway	172.16.142.1

Optimize address pool settings of DHCP server

Implement support for enabling and disabling DHCP for each address pool.

Add a gateway for the global address pool.

Optimize DHCP option settings.

DHCP Server > Add Address Pool

• Address Pool Name: 1-64 characters allowed, including digits, letters and special characters except "\/;

Enable: ☒

Type: ☒ Global ☐ Interface

• IP Pool Subnet:

• Mask Length: Valid range is 8-30

• Gateway: Add +

• Duration (min): 120 Valid range is 1-11520

DNS Server: Add +

WINS Server: Add +

Netbios Node Type:

DHCP Option1

DHCP Option The range is 2-254 (excluding 50-54, 56, 58, 59, 61 and 82)

Type ^

Option Content 0-256 characters, and must be even

[Add](#) 

Optimize ARP/NDP

Divided into a configuration table and an effective table.

GWN7806PH Pro Save   admin

ARP Table

ARP Table Static ARP

*Aging Time (s) Range 60-21400, associated with the aging time of Neighbor Table

ARP Learning Strict ☐

Cancel OK

ARP Table

Refresh Validity

All Types Q IP Interface/IP Address/MAC Add...

IP Address	MAC Address	IP Interface	Interface	Type	Expiration (s)	Operation
☐ 172.16.142.1	7c7a3c81e572	VLAN 1	1/0/8	Dynamic	651	
☐ 172.16.143.19	d05fafe02e6e	VLAN 1	1/0/8	Dynamic	950	
☐ 172.16.143.8	c074adba24cb	VLAN 1	1/0/8	Dynamic	325	
☐ 172.16.143.1	b46415cd8dbbc	VLAN 1	1/0/8	Dynamic	1195	
☐ 172.16.142.165	c074adb93b16	VLAN 1	1/0/8	Dynamic	465	
☐ 172.16.142.154	78605b67f66f	VLAN 1	1/0/8	Dynamic	520	
☐ 172.16.142.146	c074adb93bdc	VLAN 1	1/0/8	Dynamic	1181	
☐ 172.16.142.143	c07478110090	VLAN 1	1/0/8	Dynamic	350	
☐ 172.16.142.142	c07478119030	VLAN 1	1/0/8	Dynamic	1059	
☐ 172.16.142.141	c074adccdf44	VLAN 1	1/0/8	Dynamic	325	

Total 26 < 1 2 3 > 10 / page Go to

GWN7806PH Pro Save   admin

ARP Table

ARP Table Static ARP

Add Quick Add Delete Delete All

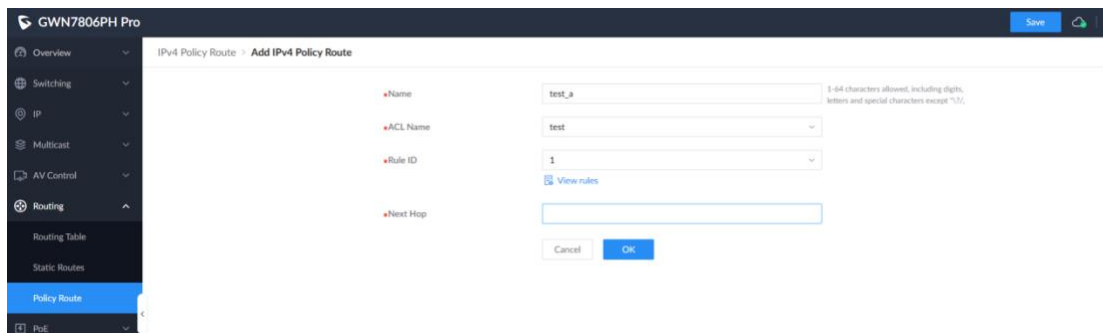
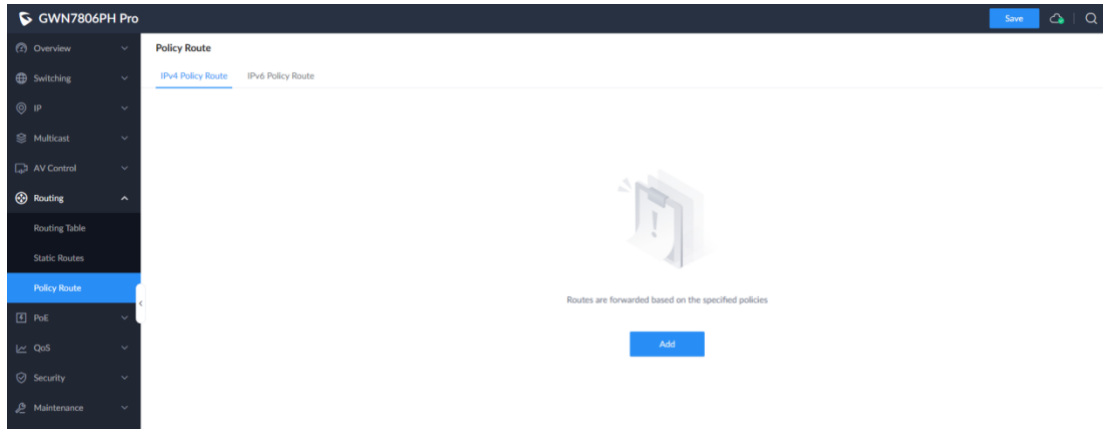
Q IP Interface/IP Address/MAC ...

IP Address	IP Interface	MAC Address	Operation
☐ 172.16.143.1	VLAN 1	B46415C6DB8C	 
☐ 172.16.142.135	VLAN 1	EC74D73D917C	 

Total 2 < 1 > 10 / page

Policy Route

Routing forwarding according to user-defined policies.



Policy Route

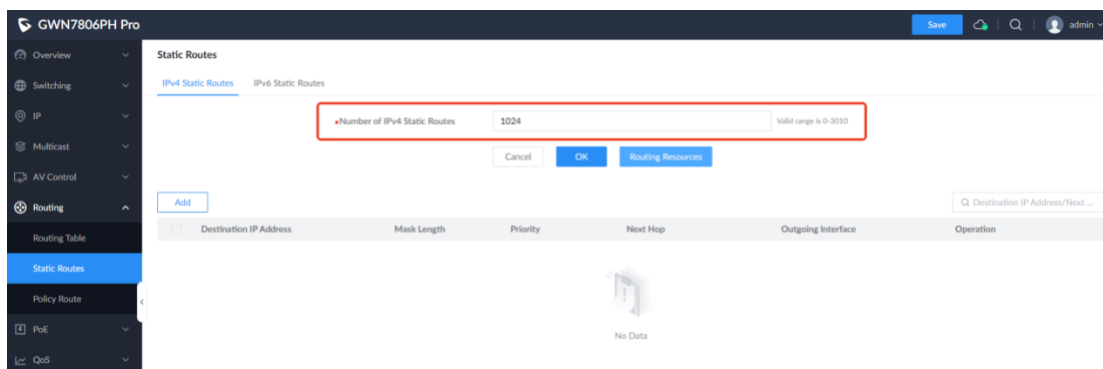
IPv4 Policy Route IPv6 Policy Route

[Add](#) [Delete](#)

Name	Status	ACL Name	Rule ID	Next Hop	Operation
test_a	Disabled	test	1	172.16.142.34	Edit Delete

Total 1 [1](#) / page

User-customized static route specification



Static Routes

IPv4 Static Routes IPv6 Static Routes

[Add](#)

☐ Destination IP Address

Routing Resources

Unicast routing statistics information distribution:

Routing-Name	Attribute	IPv4	IPv6	Multiple
Hardware	Read-Only	2562	2563	0
Default	Read-Only	1	1	0
Direct	Read-Only	32/0	33/0	0/0
Static	Read-Write	0	0	0

Summary:

IPv4 Current Direct Routing 1, IPv6 Current Direct Routing 1.
 IPv4 left Static Routing 1024, IPv6 left Static Routing 1024, Multiple 0.
 Dynamically adjust the maximum value : IPv4 Unicast Routing 3010, IPv6 Unicast Routing 3010, Multiple 0.

Codes: Attribute
 Read-Only: This type of route cannot be modified.
 Read-Write: This type of routing can modify the specification size.

Codes: Multiple
 = 0: Indicates independent dependency relationship between IPv4 and IPv6 routing entries.

Optimize Port Isolation function

Support multiple isolation groups.

Support unidirectional isolation and bidirectional isolation,

- Unidirectional isolation: The isolation group interface stops sending data to the unidirectionally isolated interface.
- Bidirectional isolation: Neither interface sends data to the other.

GWN7806PH Pro

Save

IP Multicast AV Control Routing P2P QoS Security

Storm Control Port Security **Port Isolation** ACL IP Source Guard IPv6 Source Guard Anti Attack DMZ RADIUS TACACS+

Port Isolation

Isolation Mode

☒ Layer 2 isolated, Layer 3 communication

☐ Both Layer 2 and Layer 3 are isolated

[Cancel](#) [Ok](#)

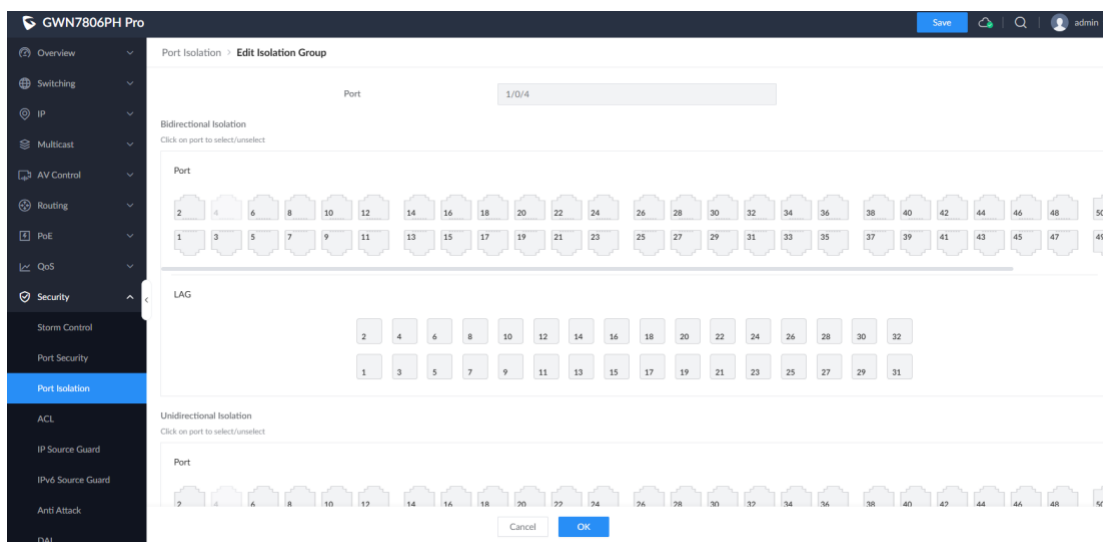
Isolation Group

Unidirectional isolation: The isolation group interface stops sending data to the unidirectionally isolated interface. Bidirectional isolation: Neither interface sends data to the other.

[Clear Configuration](#)

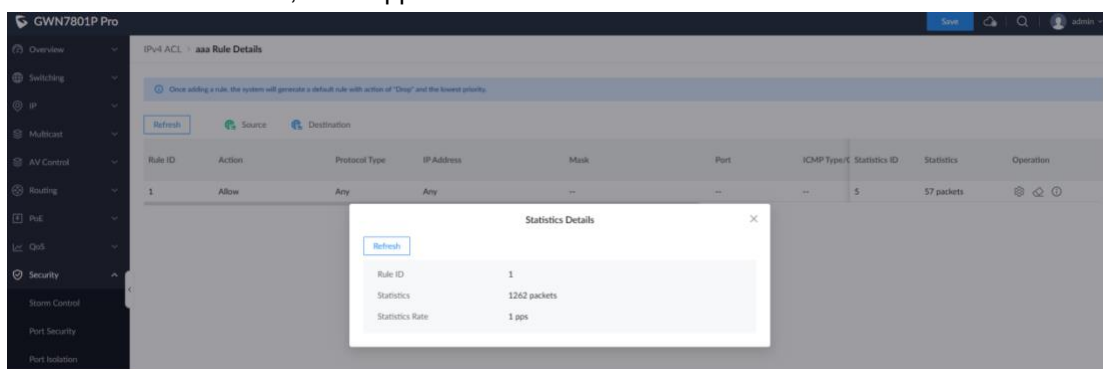
Interface	Bidirectional Isolation	Unidirectional Isolation	Operation
☐ 1/0/1	--	--	✓ ✕
☐ 1/0/2	--	--	✓ ✕
☐ 1/0/3	--	--	✓ ✕
☐ 1/0/4	--	--	✓ ✕
☐ 1/0/5	--	--	✓ ✕
☐ 1/0/6	--	--	✓ ✕
☐ 1/0/7	--	--	✓ ✕
☐ 1/0/8	--	--	✓ ✕
☐ 1/0/9	--	--	✓ ✕
☐ 1/0/10	--	--	✓ ✕

Total 10 < 1 2 3 ... 9 > 10 / page Go to



ACL advanced statistics settings

Added ACL statistics rate, and support refresh.

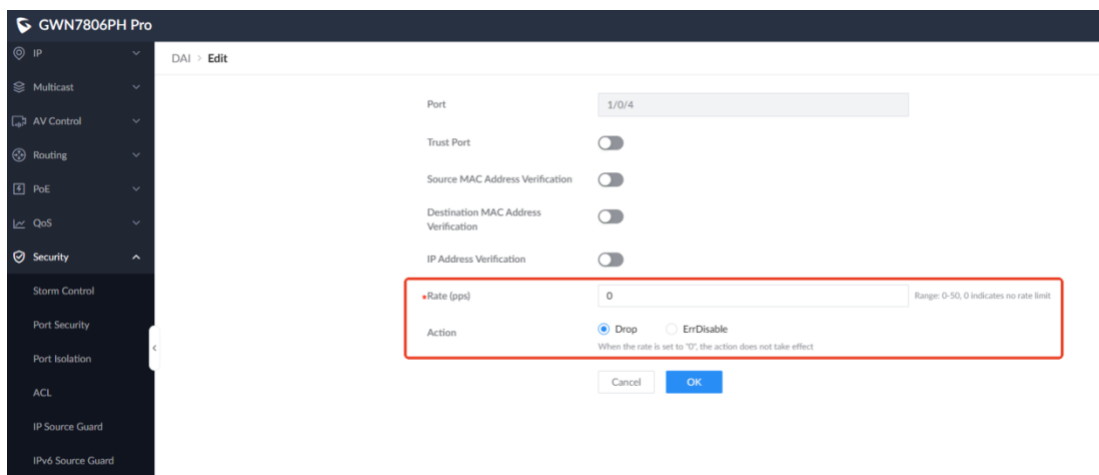
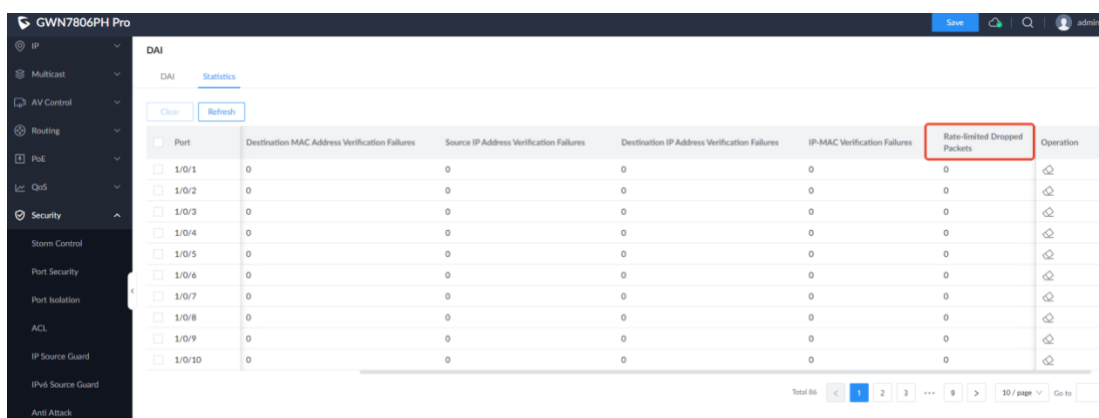


Add ACL utilization in CLI.



Support drop packets when rate is non-0 and counter dropped packets.

When port rate is set to 0, support drop packets or errdisable port. And, add rate-limited dropped packets statistics under Statistics.

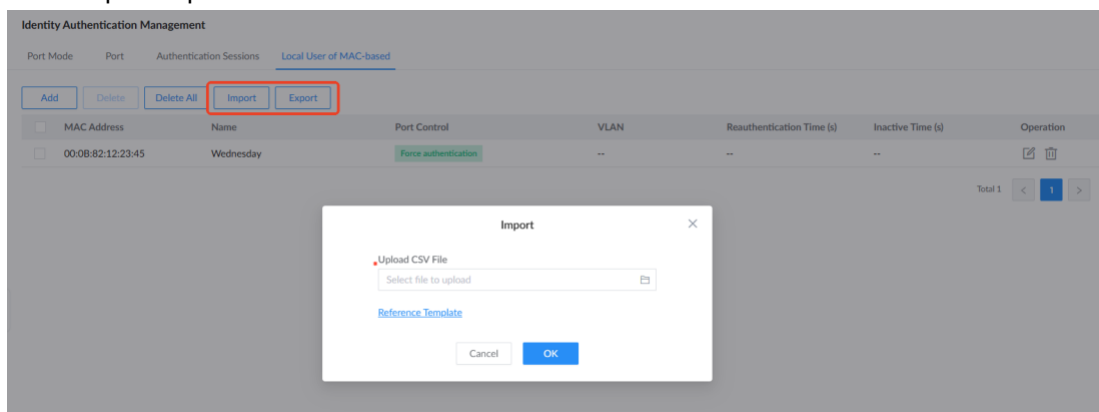



The screenshot shows the 'DAI > Statistics' page. It features a table with columns for 'Port', 'Destination MAC Address Verification Failures', 'Source IP Address Verification Failures', 'Destination IP Address Verification Failures', 'IP-MAC Verification Failures', 'Rate-limited Dropped Packets', and 'Operation'. The 'Rate-limited Dropped Packets' column is highlighted with a red box. The table shows data for ports 1/0/1 through 1/0/10, all with 0 failures and 0 rate-limited dropped packets. The 'Operation' column contains icons for each port. The bottom of the page shows a pagination bar with 'Total 10' and a 'Go to' field.

Port	Destination MAC Address Verification Failures	Source IP Address Verification Failures	Destination IP Address Verification Failures	IP-MAC Verification Failures	Rate-limited Dropped Packets	Operation
1/0/1	0	0	0	0	0	
1/0/2	0	0	0	0	0	
1/0/3	0	0	0	0	0	
1/0/4	0	0	0	0	0	
1/0/5	0	0	0	0	0	
1/0/6	0	0	0	0	0	
1/0/7	0	0	0	0	0	
1/0/8	0	0	0	0	0	
1/0/9	0	0	0	0	0	
1/0/10	0	0	0	0	0	

Optimize Identity Authentication Management

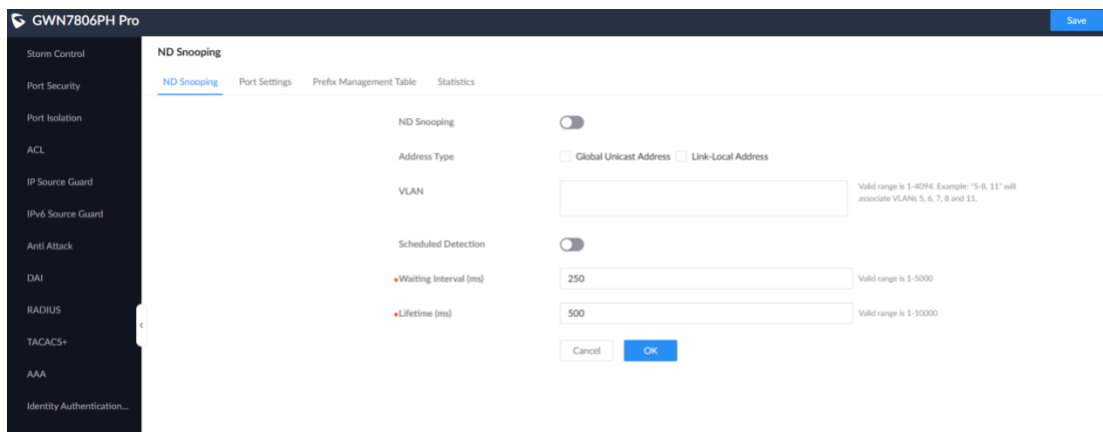
Added import/export local user of MAC-based.



Added name description for local user of MAC-based.

ND Snooping

The Network Address Translation (NAT) Snooping function serves as a security mechanism that establishes a legitimate mapping of IPv6 addresses and ports. By collaborating with features such as NAT Inspection and IPv6 Source Guard, it ensures the authenticity of packets, thereby mitigating potential attacks associated with the Network Address Translation (NAT) protocol, including address spoofing and gateway impersonation.



GRANDSTREAM NETWORKS

GWN780x Pro Firmware Release Notes

Page 48

ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Edit

Port	Trust Mode	Validation Check	Operation
☐ 1/0/1	Disabled	Disabled	
☐ 1/0/2	Disabled	Disabled	
☐ 1/0/3	Disabled	Disabled	
☐ 1/0/4	Disabled	Disabled	
☐ 1/0/5	Disabled	Disabled	
☐ 1/0/6	Disabled	Disabled	
☐ 1/0/7	Disabled	Disabled	
☐ 1/0/8	Disabled	Disabled	
☐ 1/0/9	Disabled	Disabled	
☐ 1/0/10	Disabled	Disabled	

Port: 1/0/1

Trust Mode: ☒

Validation Check: ☒

Packet Type: ☐ NA ☐ NS ☐ RS

Cancel OK

Total 86 < 1 2 3 ... 9 > 10 / page Go to

ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Refresh Add Modify Delete

IPv6 Address/Prefix Length	VLAN	Type	Lease Time (s)	Operation
----------------------------	------	------	----------------	-----------

IPv6 Address

Prefix Length: Valid range is 1-128

VLAN: Valid range is 1-4094

Cancel OK

ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Clear Refresh

Port	Total Rx Packets	NS Packets	NA Packets	RS Packets	RA Packets	Other Packets	Tx Packets	Dropped Packets	Operation
☐ 1/0/1	0	0	0	0	0	0	0	0	
☐ 1/0/2	0	0	0	0	0	0	0	0	
☐ 1/0/3	0	0	0	0	0	0	0	0	
☐ 1/0/4	0	0	0	0	0	0	0	0	
☐ 1/0/5	0	0	0	0	0	0	0	0	
☐ 1/0/6	0	0	0	0	0	0	0	0	
☐ 1/0/7	0	0	0	0	0	0	0	0	
☐ 1/0/8	0	0	0	0	0	0	0	0	
☐ 1/0/9	0	0	0	0	0	0	0	0	
☐ 1/0/10	0	0	0	0	0	0	0	0	

Total 86 < 1 2 3 ... 9 > 10 / page Go to

Auto Backup

Added auto backup function. Select the backup time, and the switch will automatically back the running configuration file.

GWN7806PH Pro

Backup & Restore

Factory Reset
 After factory reset, all settings on the switch will be restored to factory default. It is recommended to back up the current configuration before factory resetting.
[Factory Reset](#)

Restore Configuration
 Switch configuration can be restored by importing a configuration file. If restoration fails, a hard reset to factory settings may be necessary. To hard reset, hold down the RESET button on the front of switch for five seconds and let go.
[Upload Configuration File](#)

Backups

[Back Up Running Configurations](#) [Back Up Saved Configurations](#) [Import](#) [Scheduled Backup \(Off\)](#)

Name	Date	Size	Restore Configuration
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260306094604_Upgrade.cfg	2026/03/06_09:46:04	3.7KB	☐
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305192247_Upgrade.cfg	2026/03/05_19:22:47	3.61KB	☐
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305181704_Upgrade.cfg	2026/03/05_18:17:04	3.61KB	☐
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305180355_Upgrade.cfg	2026/03/05_18:03:55	3.62KB	☐
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305174639_Upgrade.cfg	2026/03/05_17:46:39	3.55KB	☐
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305164657_Upgrade.cfg	2026/03/05_16:46:57	3.58KB	☐

Backup & Restore > Scheduled Backup

Scheduled Backup



Backup Time

Sunday Morning_10:00

Cancel

OK

Support selects one configuration file to use when device reboots.

Backups

[Back Up Running Configurations](#) [Back Up Saved Configurations](#) [Import](#) [Scheduled Backup \(Off\)](#)

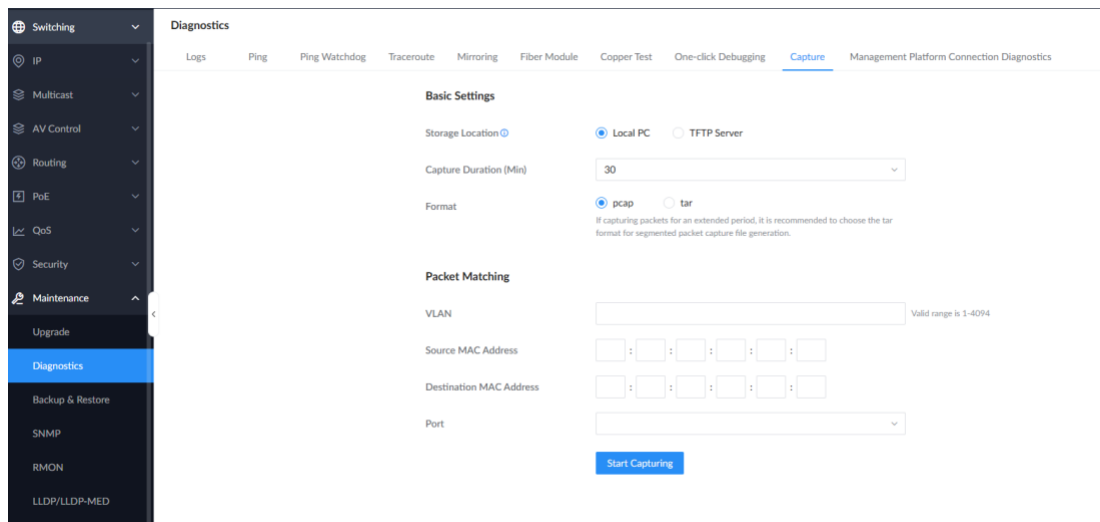
Name	Date	Size	Restore Configuration on Reboot	Operation
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305192247_Upgrade.cfg	2026/03/05_19:22:47	3.61KB	☒	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260306094604_Upgrade.cfg	2026/03/06_09:46:04	3.7KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305181704_Upgrade.cfg	2026/03/05_18:17:04	3.61KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305180355_Upgrade.cfg	2026/03/05_18:03:55	3.62KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305174639_Upgrade.cfg	2026/03/05_17:46:39	3.55KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305164657_Upgrade.cfg	2026/03/05_16:46:57	3.58KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305151205_Upgrade.cfg	2026/03/05_15:12:05	3.5KB	☐	Download Refresh Delete
GWN7806PH_Pro_EC74D7A8C094_1-3-3-01_20260304160604_Upgrade.cfg	2026/03/04_16:06:04	3.3KB	☐	Download Refresh Delete

Capture function (GWN7806 PH/PL Pro Only)

This feature is only supported in GWN7806 PH/PL Pro.

Select local PC and TFTP server to save capture file.

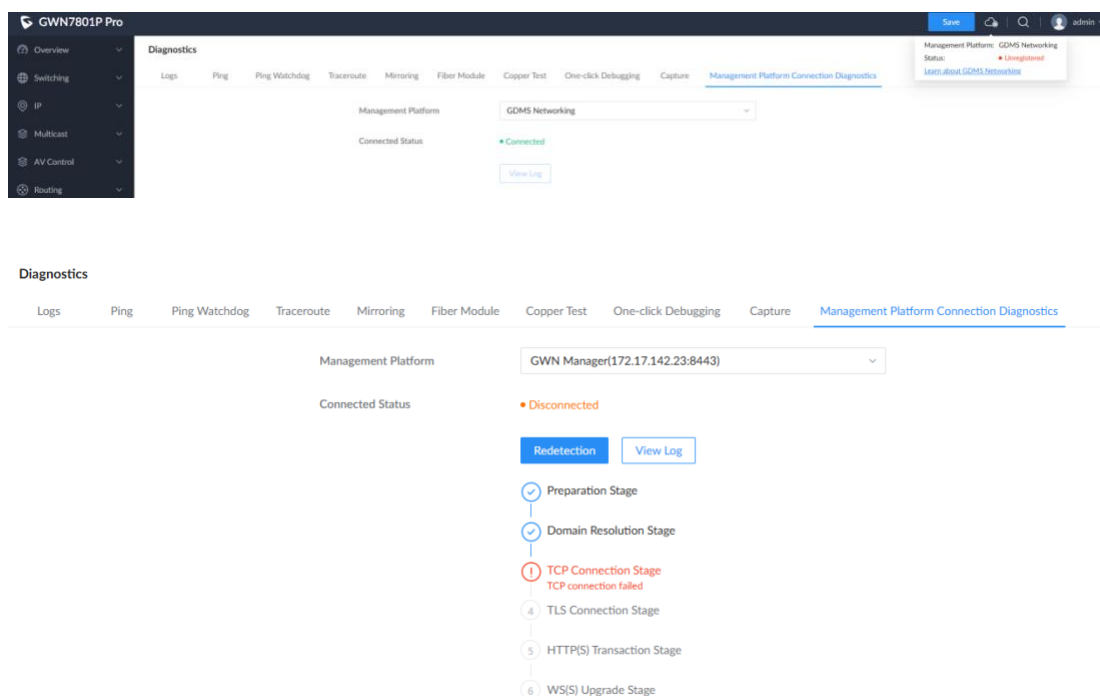
By setting the capture time, the switch can automatically capture matching packets within the specified time.



The screenshot shows the 'Diagnostics' menu on the left sidebar, with 'Capture' selected. The main panel displays the 'Capture' configuration page under 'Diagnostics'. It includes sections for 'Basic Settings' (Storage Location, Capture Duration, Format) and 'Packet Matching' (VLAN, Source MAC Address, Destination MAC Address, Port). A 'Start Capturing' button is at the bottom.

Optimized management platform connection diagnostics

Display all link connection status, including GDMS Networking, GWN Manager and GWN routers.



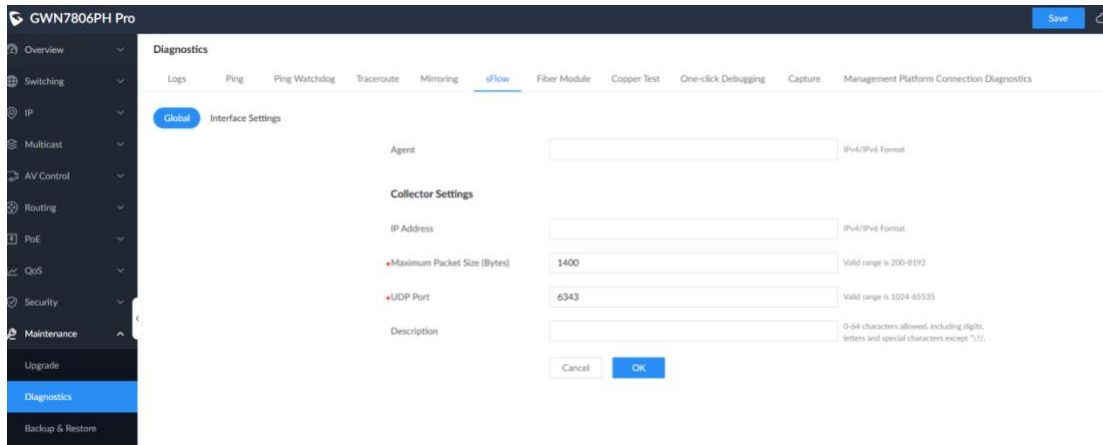
The screenshot shows the 'Management Platform Connection Diagnostics' page. It displays the 'Management Platform' as 'GDMS Networking' and the 'Connected Status' as 'Connected'. A 'View Log' button is present. Below this, a detailed status for 'GWN Manager(172.17.142.23:8443)' is shown as 'Disconnected'. A 'Redetection' button and a 'View Log' button are provided. A vertical timeline of connection stages is shown: Preparation Stage, Domain Resolution Stage, TCP Connection Stage (marked as failed), TLS Connection Stage, HTTP(S) Transaction Stage, and WS(S) Upgrade Stage.

sFlow function (GWN7806 PH/PL Pro Only)

This feature is only supported in GWN7806 PH/PL Pro.

sFlow function is a network monitoring technology that encapsulates traffic monitoring information into data

messages through random sampling and application-layer data extraction, and sends them to a central analyzer in real-time, thereby providing complete visualization and performance analysis of the entire network traffic.



GWN7806PH Pro Save

Diagnostics

Logs Ping Ping Watchdog Traceroute Mirroring **sFlow** Fiber Module Copper Test One-click Debugging Capture Management Platform Connection Diagnostics

Global **Interface Settings**

Agent IPv4/IPv6 Format

Collector Settings

IP Address IPv4/IPv6 Format

Maximum Packet Size (Bytes) Valid range is 200-8192

UDP Port Valid range is 1024-65535

Description 0-64 characters allowed, including digits, letters and special characters except '\'.

Diagnostics

Logs Ping Ping Watchdog Traceroute Mirroring **sFlow** Fiber Module Copper Test One-click Debugging Capture Management Platform Connection Diagnostics

Global **Interface Settings**

Port	Flow Sampling				Counter Sampling		Operation
	Status	Sampling Direction	Maximum Packet Size (Bytes)	Sampling Rate	Status	Sampling Interval (s)	
☐ 1/0/1	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/2	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/3	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/4	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/5	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/6	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/7	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/8	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/9	Disabled	--	--	--	Disabled	--	Edit
☐ 1/0/10	Disabled	--	--	--	Disabled	--	Edit

Total 54 < 1 2 3 ... 6 > 10 / page

Interface Settings > **Edit Port**

Port

Flow Sampling ☒

Sampling Direction ☒ Ingress & Egress ☐ Ingress ☐ Egress

Maximum Packet Size (Bytes) Valid range is 128-256

Sampling Rate Valid range is 256-65535

Counter Sampling ☒

Sampling Interval (s) Valid range is 2-3600

Optimize SNMP function

Support configure SNMP version when SNMP feature is enabled.

SNMP

Global Settings View Management Group Management Community Management User Management Notification Management Trap Event

SNMP ☒

SNMP Version ☒ SNMPv1/SNMPv2c ☒ SNMPv3

Local Engine ID 8000a59d ec74d7a8c094
 2-56 characters. Value must be an even number and in hexadecimal format.
[Reset](#)

[Cancel](#) [OK](#)

Remote Engine ID

Support grouped settings for type and OID subtree, and also support setting multiple groups.

View Management > Add View

View 1-32 characters allowed, including digits, letters and special characters except "\/|,;

Type & OID Subtree

Type Included

OID Subtree

[Add](#)

[Cancel](#) [OK](#)

Add AES for encryption mode under User Management.

User Management > Add User

User 1-32 characters allowed, including digits, letters and special characters except "\/|,;

Group group3

Security Level

AuthPri

Authentication Mode ☒ MD5 ☐ SHA

Authentication Password 8-32 characters allowed, including digits, letters and special characters except "\/|,;

Encryption Mode ☒ DES ☐ AES

Encryption Password 8-32 characters allowed, including digits, letters and special characters except "\/|,;

[Cancel](#) [OK](#)

Support more Trap information.

SNMP

Global Settings View Management Group Management Community Management User Management Notification Management Trap Event

STP Bridge	☐
CPU	☐
Monitor ⓘ	☐
Port ErrDisable	☐
MAC Address Notification	☐
Port Security	☐
PoE Power Supply	☐
Logs	☐
VLAN Creation	☐
VLAN Deletion	☐
Configuration Distribution	☐
ARP Notification	☐
Fiber Module Alert	☐

Cancel OK

Alert

Alert Settings Fiber Module Alert Statistics Scheduled Notification

Device Uptime ☒

Report Interval (s) Valid range is 1-86400

Cancel OK

Added more alert

Add ARP alert.

Alert

[Alert Settings](#)
[Fiber Module Alert](#)
[Statistics](#)
[Scheduled Notification](#)

Type	Alert Status	Log Level	Alert Threshold	Alert Waiting Time (s)	Restore Threshold	Restore Waiting Time (s)
CPU Usage	☒	Error	80 %	30	80 %	10
Memory Usage	☒	Error	80 %	30	80 %	10
PoE Power	☒	Error	80 %	30	80 %	10
Mac Address Exceeds Limit	☒	Error	80 %	30	80 %	10
Temperature	☒	Error	75 °C	30	75 °C	10
Fan Malfunction	☒	Error	--	30	--	10
PoE Chip Malfunction	☒	Error	--	30	--	10
Power Supply Malfunction	☒	Error	--	30	--	10
ARP Limit Exceeded	☒	Error	80 %	30	80 %	10

Alert

[Alert Settings](#)
[Fiber Module Alert](#)
[Statistics](#)
[Scheduled Notification](#)

Device

Type	Current Status	Last Alert Time	Last Alert Actual Value	Last Restore Time	Last restore Actual Value	Alert Times
CPU Usage	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
Memory Usage	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
PoE Power	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
Mac Address Exceeds Limit	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0
Temperature	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Fan Malfunction	normal	1970-01-01 08:00:00	--	1970-01-01 08:00:00	--	0
PoE Chip Malfunction	normal	1970-01-01 08:00:00	--	1970-01-01 08:00:00	--	0
Power Supply Malfunction	normal	1970-01-01 08:00:00	--	1970-01-01 08:00:00	--	0
ARP Limit Exceeded	normal	1970-01-01 08:00:00	0%	1970-01-01 08:00:00	0%	0

Add fiber module alert.

Alert

[Alert Settings](#)
[Fiber Module Alert](#)
[Statistics](#)
[Scheduled Notification](#)

Port	High Temperature Alert	Low Temperature Alert	Overvoltage Alert	Undervoltage Alert	High Tx Power Alert	Low Tx Power Alert	High Rx Power Alert	Low Rx Power Alert	Operation
☐ 1/0/49	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/50	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/51	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/52	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/53	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒
☐ 1/0/54	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	☒

[Fiber Module Alert](#) > [Edit Port](#)

Port 1/0/49

Type	Alert Status	Log Level	Alert Difference	Alert Waiting Time (s)	Recovery Difference	Restore Waiting Time (s)
High Temperature Alert	☒	Error	0 °C	30	0 °C	10
Low Temperature Alert	☒	Error	0 °C	30	0 °C	10
Overvoltage Alert	☒	Error	0 V	30	0 V	10
Undervoltage Alert	☒	Error	0 V	30	0 V	10
High Tx Power Alert	☒	Error	0 dBm	30	0 dBm	10
Low Tx Power Alert	☒	Error	0 dBm	30	0 dBm	10
High Rx Power Alert	☒	Error	0 dBm	30	0 dBm	10
Low Rx Power Alert	☒	Error	0 dBm	30	0 dBm	10
High Bias Current Alert	☒	Error	0 mA	30	0 mA	10
Low Bias Current Alert	☒	Error	0 mA	30	0 mA	10

Cancel OK

Alert

[Alert Settings](#) [Fiber Module Alert](#) [Statistics](#) [Scheduled Notification](#)

Refresh
1/0/49

Type	Current Status	Last Alert Time	Last Alert Actual Value	Last Restore Time	Last restore Actual Value	Alert Times
High Temperature Alert	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Low Temperature Alert	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Overvoltage Alert	normal	1970-01-01 08:00:00	0V	1970-01-01 08:00:00	0V	0
Undervoltage Alert	normal	1970-01-01 08:00:00	0V	1970-01-01 08:00:00	0V	0
High Tx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
Low Tx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
High Rx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
Low Rx Power Alert	normal	1970-01-01 08:00:00	0dBm	1970-01-01 08:00:00	0dBm	0
High Bias Current Alert	normal	1970-01-01 08:00:00	0mA	1970-01-01 08:00:00	0mA	0
Low Bias Current Alert	normal	1970-01-01 08:00:00	0mA	1970-01-01 08:00:00	0mA	0

Port configuration for Telnet

- Overview
- Switching
- IP
- Multicast
- AV Control
- Routing
- PoE
- QoS
- Security
- Maintenance
- System
- Basic Settings
- Access Control
- User Management

Access Control

[Web Service Management](#)
[SSH Remote Access](#)
[Passwordless Remote Access](#)
[Management Platform Settings](#)
[Management ACL of Hardware-based](#)
[Management ACL of Software-based](#)

Inactive Session Timeout (min)

Valid range is 1-1440

HTTPS Port

Valid range is 443 and 1024-65535

Telnet
☒

Telnet Port

Valid range is 23 and 1024-65535

SSH
☒

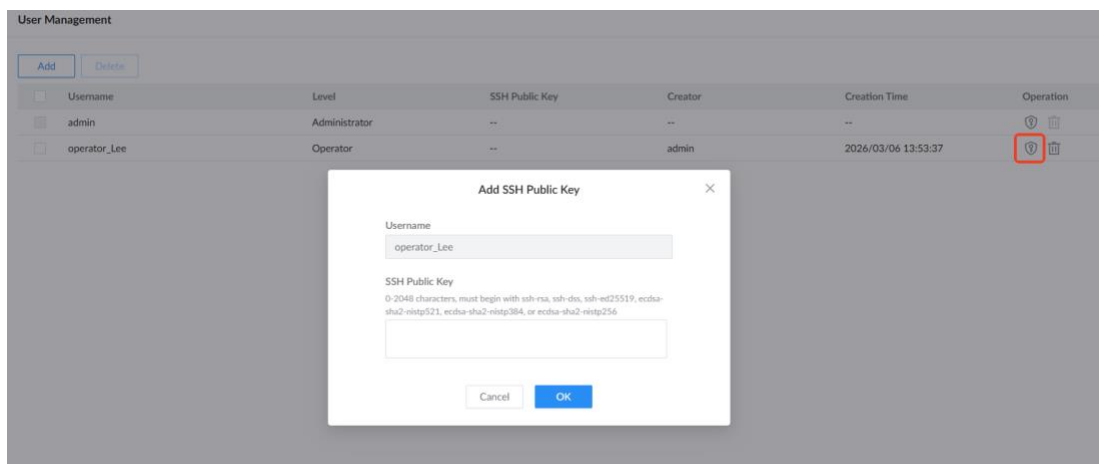
SSH Port

Valid range is 22 and 1024-65535

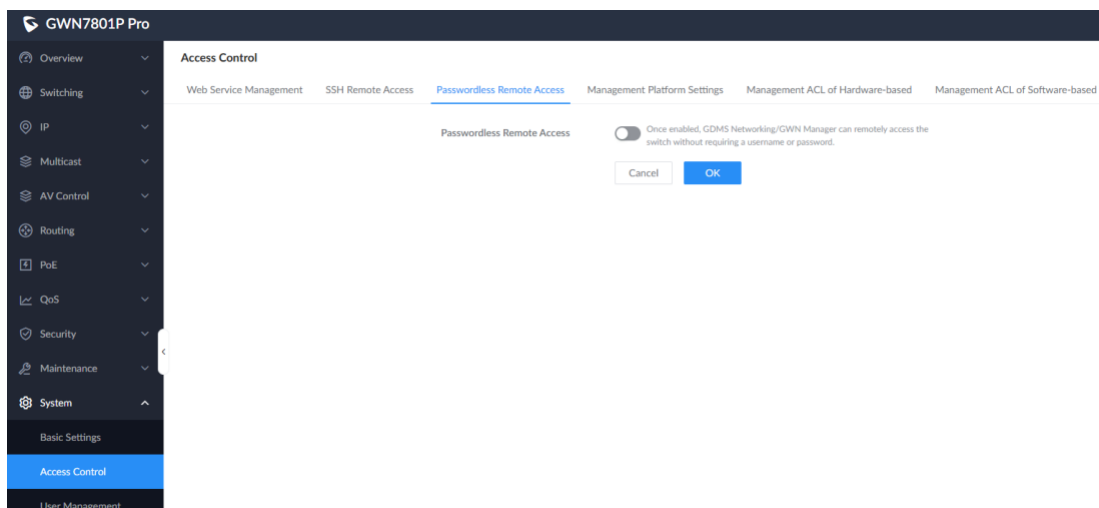
Cancel OK

SSH public key for users

Once SSH public key is configured, you can use it to sign in the switch.



Support passwordless remote access for GDMS Networking and GWN Manager



Add more features with stack.

Support more features when stacking, including multicast, SNMP, RMON, identity authentication management, and ACL.

Add stack settings for stacking members.

Once stacking is established, every member switch can be configured its stacking settings.

Stack Settings

ⓘ Please ensure that the device ID is unique; otherwise, the device will not be able to join the stack. After the configuration is complete, reboot the switch for the settings to take effect. Use optical modules to cross-connect the stack ports. After connecting, power on the switches (it is recommended to power on the pre-configured primary switch first) to form the stack system. Switches in a stack must run the same software version. Please upgrade them to the same version in advance.

Device ID	Device ID for Next Boot	Priority	Priority for Next Boot	Stack Port 1	Stack Port 2	Operation
1	1	1	1	--	--	

Stack Settings > Edit

Device ID	1	
•Device ID for Next Boot	1	Valid range is 1-4
Priority	1	
•Priority for Next Boot	1	The valid range is 1-255. The higher the value, the higher the priority.
Stack Port 1	Please select	
Stack Port 2	Please select	
	Cancel OK	

FIRMWARE VERSION 1.0.15.219

PRODUCT NAME

GWN7801P Pro,
GWN7802P Pro,
GWN7803 Pro, GWN7803PL Pro, GWN7803PH Pro,
GWN7806PH Pro, GWN7806PL Pro

DATE

1/15/2026

FIRMWARE FILE INFORMATION

- GWN7801P/02P/03PH/03PL/03 Pro Firmware file name: gwn780xprofw.bin
MD5 checksum: c60da7b45a75bf9485540a94de1fd98c
- GWN 7806PH/PL Pro Firmware file name: gwn7806fw.bin
MD5 checksum: 20af2f18c58c3d249353b50e39b78cba

CHANGES/ENHANCEMENT

- Added support for Pro AV and IEEE 1588 PTP.
- Fixed internal bugs.

NEW FEATURE OVERVIEW

- **Pro AV**

The GWN78xx series switches feature professional AV functions and, in combination with the QoS mechanism, ensure the priority transmission of critical AV signals.

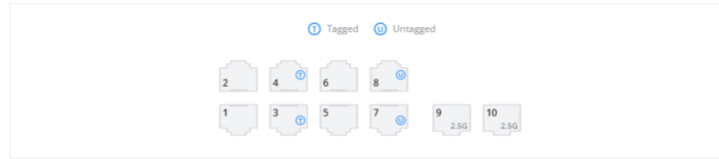
1. With a visual graphical interface, each port can be configured with professional AV functions, greatly simplifying deployment and management.
2. Compatible with AES67, Dante, and NDI, preset solutions for different scenarios can be applied with one-click, lowering the usage threshold.
3. Accurately and quickly identify AV streams and prioritize their processing, while supporting multi-channel concurrent transmission.

Configuration:

(1) Pro AV template settings

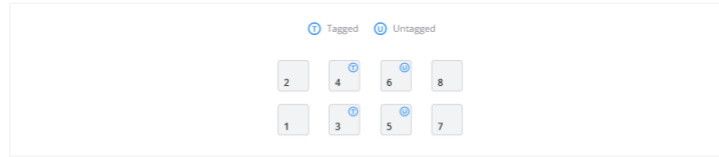
Configuration > Add Configured Profile

Click port to change the member type



LAG

Click port to change the member type



Configured Profiles

Conf_Room

1-64 characters, including digits, letters and special characters except '\/'

Template

Video NDIS with Dante.Q-Sys or AES67 audio

VLAN ID

22

Valid range is 1-4094

Color

#EA0793

Cancel

OK

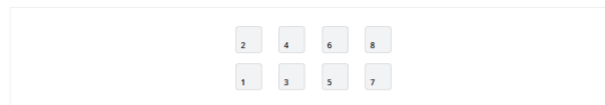
Pro AV

Configuration Template

Port



LAG



Configured Profiles

Add

Configured Profiles	Template	VLAN ID	IP Address	Num. of Ports	Operation
■ Conf_Room	Video NDIS with Dante.Q-Sys or AES67 audio	22	--	4	  

FIRMWARE VERSION 1.0.15.211

PRODUCT NAME

GWN7801P Pro,
GWN7802P Pro,
GWN7803 Pro, GWN7803PL Pro, GWN7803PH Pro,
GWN7806PH Pro, GWN7806PL Pro

DATE

11/11/2025

FIRMWARE FILE INFORMATION

- GWN7801P/02P/03PH/03PL/03 Pro Firmware file name: gwn780xprofw.bin
MD5 checksum: 6dcf890d01d3e857c42f856d2bfeec0
- GWN 7806PH/PL Pro Firmware file name: gwn7806fw.bin
MD5 checksum: 2f3c77e0b00bd1748e71727d88e29e59

CHANGES/ENHANCEMENT

- This is the initial firmware for GWN780x Pro models.