

GWN780x Pro Switch Firmware Release Notes

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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 1.0.17.5 (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]
- Added MLD Matching Domain under MLD Snooping [MLD Matching Domain under MLD Snooping]
- 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.
- 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.

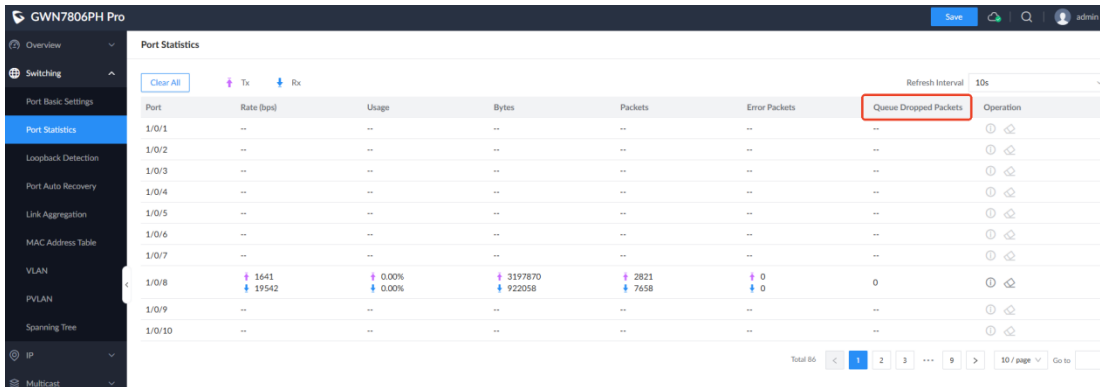
Port	Speed Mode
1/0/49-1/0/50	<input checked="" type="radio"/> 100Mbps/1000Mbps/10Gbps <input type="radio"/> 2.5Gbps/10Gbps
1/0/51-1/0/52	<input type="radio"/> 100Mbps/1000Mbps/10Gbps <input checked="" type="radio"/> 2.5Gbps/10Gbps
1/0/53-1/0/54	<input checked="" type="radio"/> 100Mbps/1000Mbps/10Gbps <input type="radio"/> 2.5Gbps/10Gbps

Cancel **OK**

Port Basic Settings > Edit Port

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

Queue packet loss statistics



The screenshot shows the 'Port Statistics' page in the GWN7806PH Pro interface. The 'Queue Dropped Packets' column is highlighted with a red box. The table displays statistics for ports 1/0/1 through 1/0/10. Port 1/0/8 shows significant activity with 1641 Tx and 19542 Rx packets, 0.00% usage, 3197870 bytes, 2821 packets, and 0 error packets. The 'Queue Dropped Packets' column shows 0 for all ports.

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	--	--	--	--	--	--	🔄 🗑️

Port Statistics

Clear All Tx Rx Refresh Interval 10s

Port	Rate (bps)	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	0	🔄
1/0/9	--	--	--	🔄
1/0/10	--	--	--	🔄

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

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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	FF:FF:FF:00:00:00	Grandstream	🗑️
00:74:AD:00:00:00	FF:FF:FF:00:00:00	Grandstream	🗑️
EC:74:D7:00:00:00	FF:FF:FF:00:00:00	Grandstream	🗑️
14:4C:FF:00:00:00	FF:FF:FF:00:00:00	Grandstream	🗑️
00:ED:8B:00:00:00	FF:FF:FF:00:00:00	3COM	🗑️
00:03:68:00:00:00	FF:FF:FF:00:00:00	Cisco	🗑️
00:ED:75:00:00:00	FF:FF:FF:00:00:00	Veritel	🗑️
00:00:1E:00:00:00	FF:FF:FF:00:00:00	Pingtel	🗑️
00:01:E3:00:00:00	FF:FF:FF:00:00:00	Siemens	🗑️
00:60:89:00:00:00	FF:FF:FF:00:00:00	NEC_Philips	🗑️
00:0F:E2:00:00:00	FF:FF:FF:00:00:00	H3C	🗑️
00:09:6E:00:00:00	FF:FF:FF:00:00:00	Avaya	🗑️
00:04:F2:00:00:00	FF:FF:FF:00:00:00	Polycom	🗑️
64:16:7F:00:00:00	FF:FF:FF:00:00:00	Polycom	🗑️
00:8B:83:00:00:00	FF:FF:FF: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

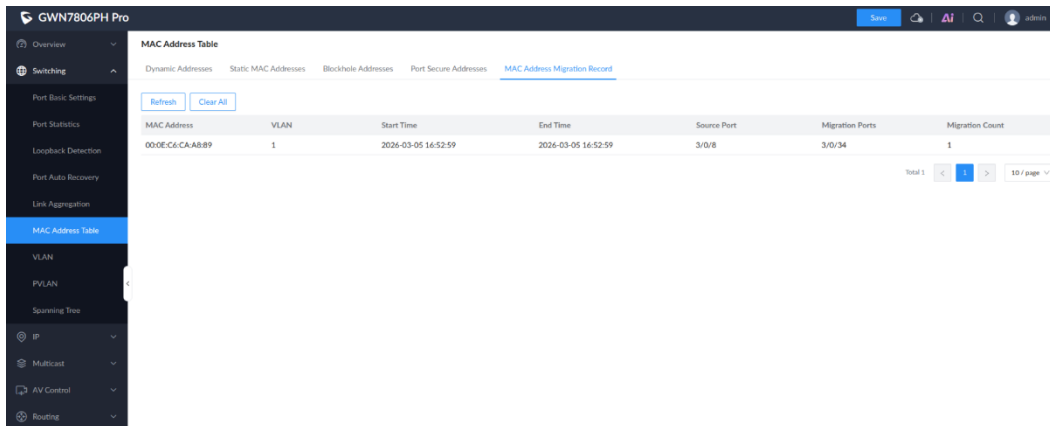
*Aging Time (s) Valid range is 0 and 60-1000000

MAC Address Hashing Algorithm

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

Cancel

MAC address migration record

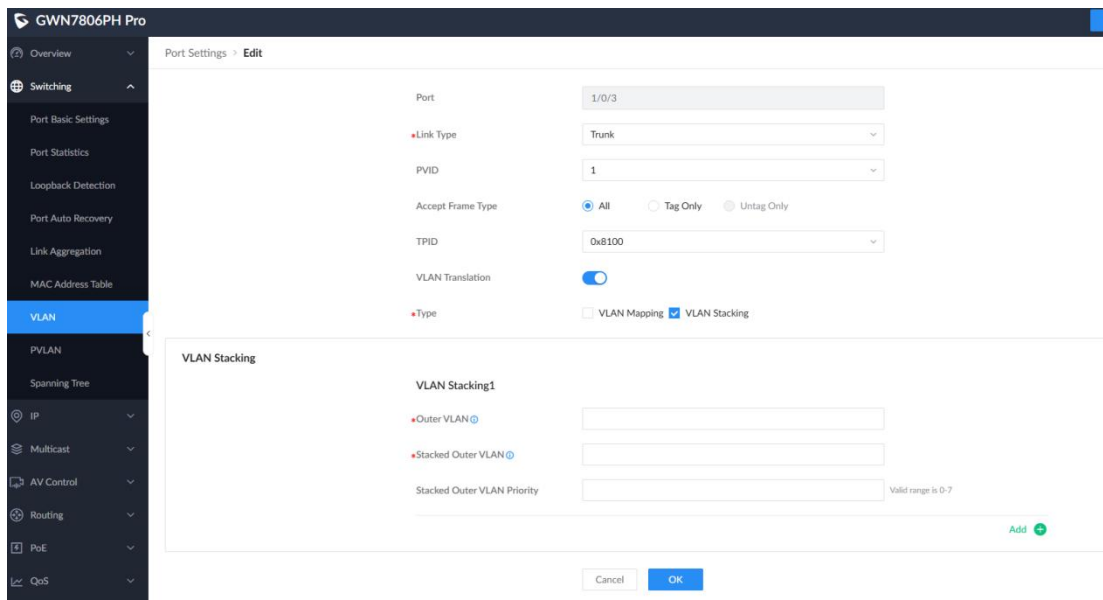


The screenshot shows the 'MAC Address Migration Record' page in the GWN7806PH Pro interface. The page includes a navigation sidebar on the left and a main content area with a table of migration records. The table has columns for MAC Address, VLAN, Start Time, End Time, Source Port, Migration Ports, and Migration Count. A single record is visible for MAC address 000EC6CA-A8B9 on VLAN 1, with migration ports 3/0/8 and 3/0/34, and a migration count of 1. The page also features 'Refresh' and 'Clear All' buttons at the top of the table area.

MAC Address	VLAN	Start Time	End Time	Source Port	Migration Ports	Migration Count
000EC6CA-A8B9	1	2026-03-05 16:52:59	2026-03-05 16:52:59	3/0/8	3/0/34	1

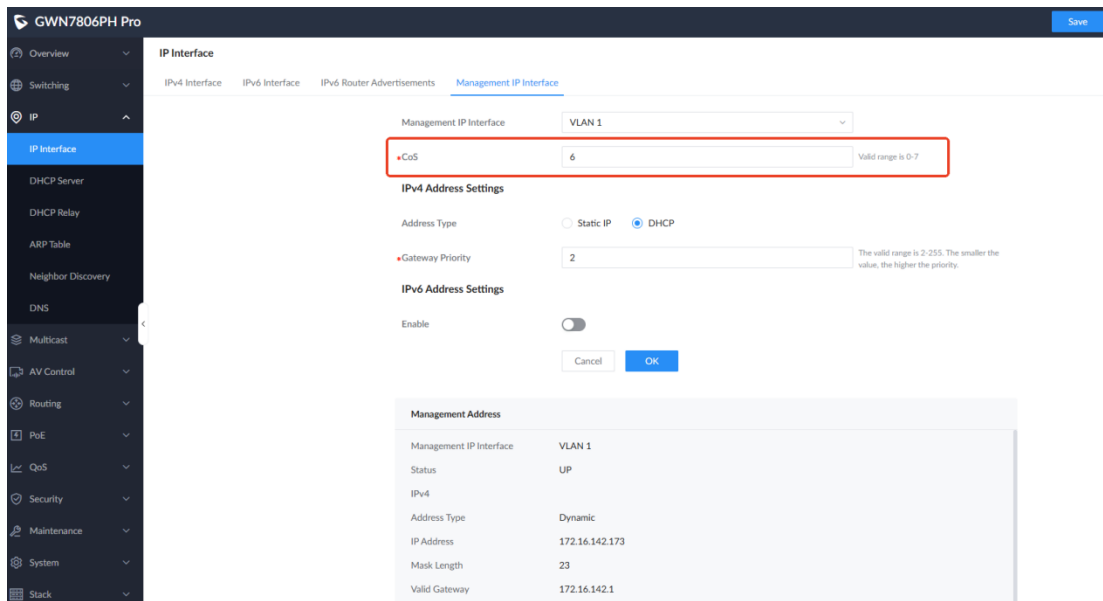
VLAN Stacking function

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 interface. The 'VLAN Stacking' section is expanded, showing configuration options for 'VLAN Stacking1'. The options include 'Outer VLAN', 'Stacked Outer VLAN', and 'Stacked Outer VLAN Priority'. The 'VLAN Stacking' checkbox is checked, and the 'Add' button is visible at the bottom right of the section. The overall page layout includes a navigation sidebar on the left and various configuration fields for the port settings.

CoS for management IP interface



Management IP Interface: VLAN 1

•CoS: 6 (Valid range is 0-7)

IP4 Address Settings

Address Type: Static IP DHCP

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

IP6 Address Settings

Enable:

Cancel OK

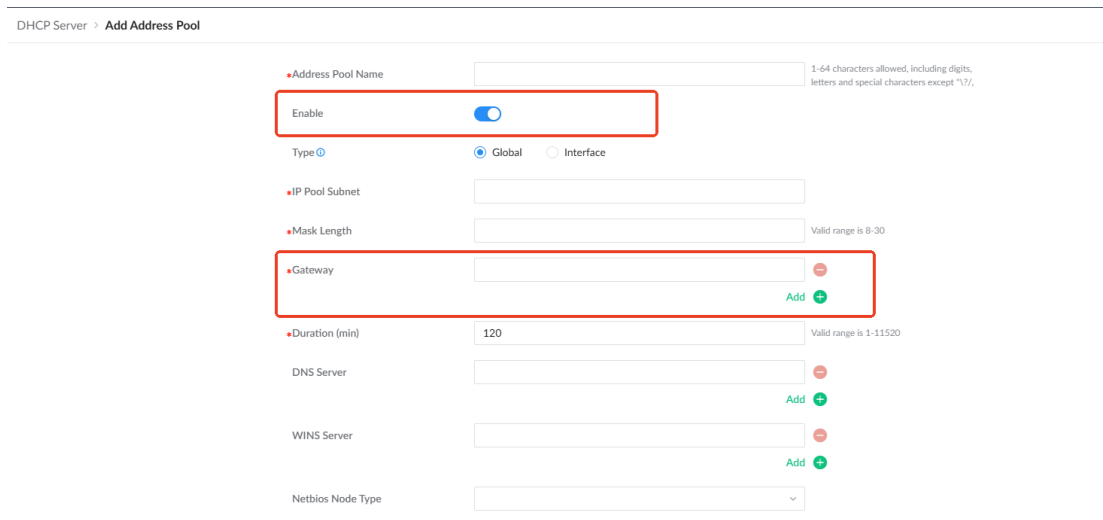
Management Address	
Management IP Interface	VLAN 1
Status	UP
IPv4	
Address Type	Dynamic
IP Address	172.16.142.173
Mask Length	23
Valid Gateway	172.16.142.1

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)

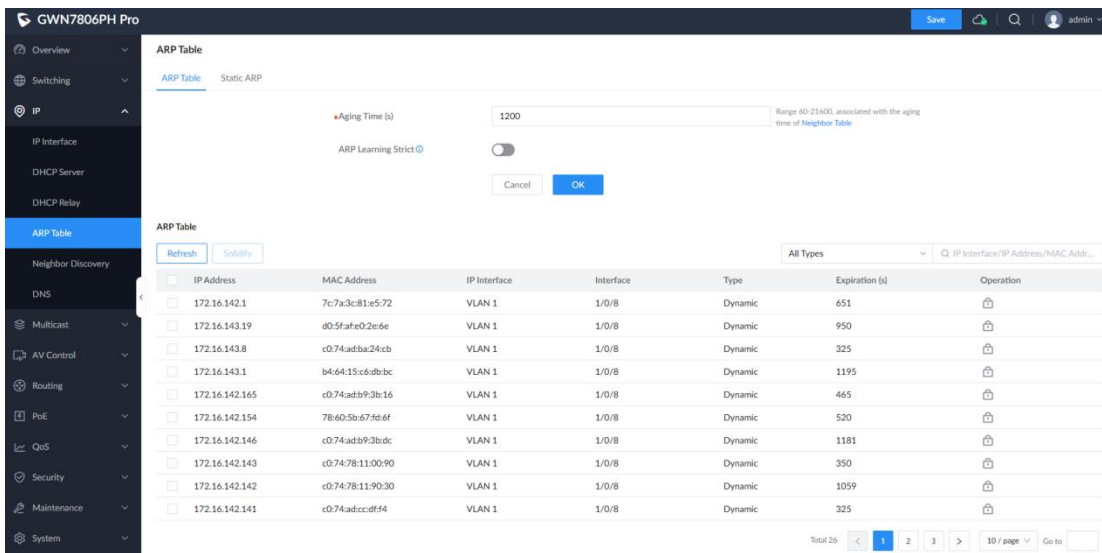
Type: ^

Option Content: 0-256 characters, and must be even

[Add](#) 

Optimize ARP/NDP

Divided into a configuration table and an effective table.



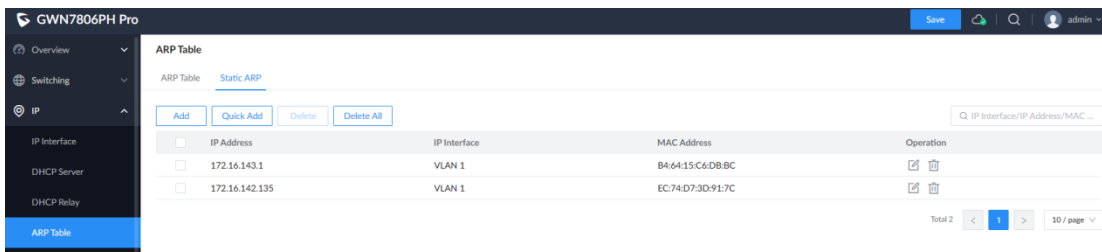
ARP Table

ARP Aging Time (s): Range 60-21600, associated with the aging time of Neighbor Table

ARP Learning Strict:

IP Address	MAC Address	IP Interface	Interface	Type	Expiration (s)	Operation
<input type="checkbox"/> 172.16.142.1	7c7a3c81e572	VLAN 1	1/0/8	Dynamic	651	
<input type="checkbox"/> 172.16.143.19	d05fafe02e6e	VLAN 1	1/0/8	Dynamic	950	
<input type="checkbox"/> 172.16.143.8	c074adb24cb	VLAN 1	1/0/8	Dynamic	325	
<input type="checkbox"/> 172.16.143.1	b46415c6dbbc	VLAN 1	1/0/8	Dynamic	1195	
<input type="checkbox"/> 172.16.142.165	c074adb93b16	VLAN 1	1/0/8	Dynamic	465	
<input type="checkbox"/> 172.16.142.154	78605b67fd6f	VLAN 1	1/0/8	Dynamic	520	
<input type="checkbox"/> 172.16.142.146	c074adb93bdc	VLAN 1	1/0/8	Dynamic	1181	
<input type="checkbox"/> 172.16.142.143	c07478110090	VLAN 1	1/0/8	Dynamic	350	
<input type="checkbox"/> 172.16.142.142	c07478119030	VLAN 1	1/0/8	Dynamic	1059	
<input type="checkbox"/> 172.16.142.141	c074adccdf44	VLAN 1	1/0/8	Dynamic	325	

Total 26 | 1 | 2 | 3 | 10 / page | Go to



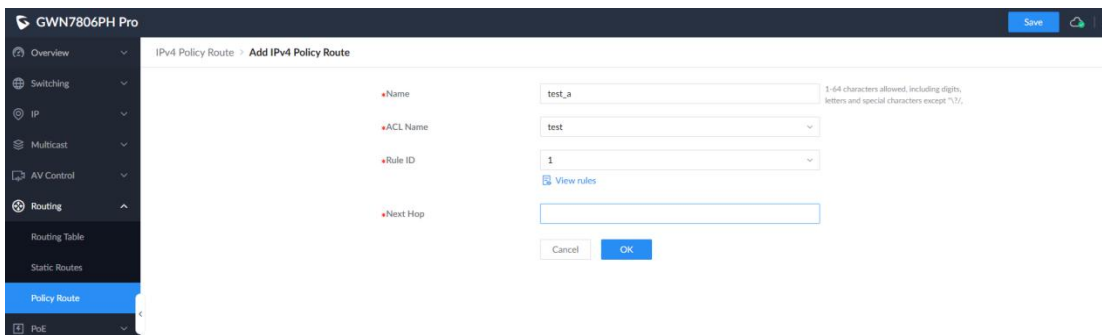
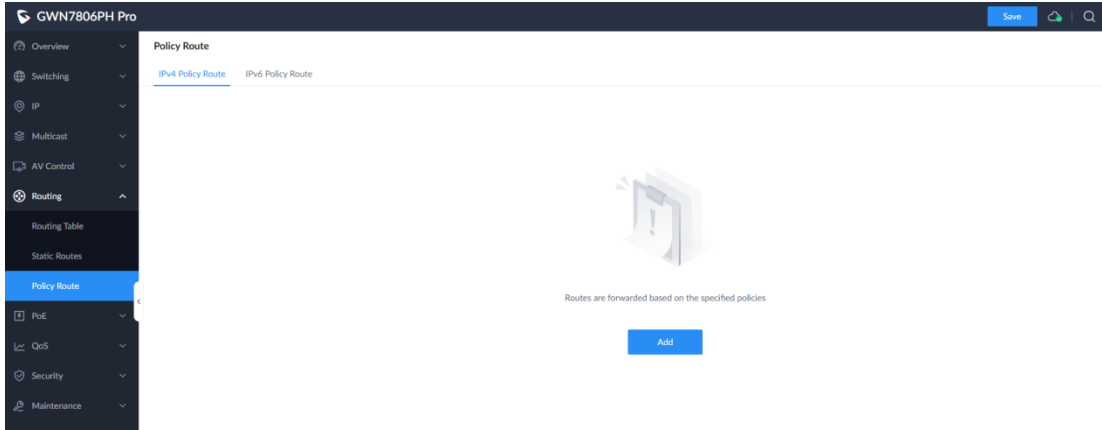
Static ARP

IP Address	IP Interface	MAC Address	Operation
<input type="checkbox"/> 172.16.143.1	VLAN 1	B46415C6DBBC	
<input type="checkbox"/> 172.16.142.135	VLAN 1	EC74D73D917C	

Total 2 | 1 | 10 / page

Policy Route

Routing forwarding according to user-defined policies.



Policy Route

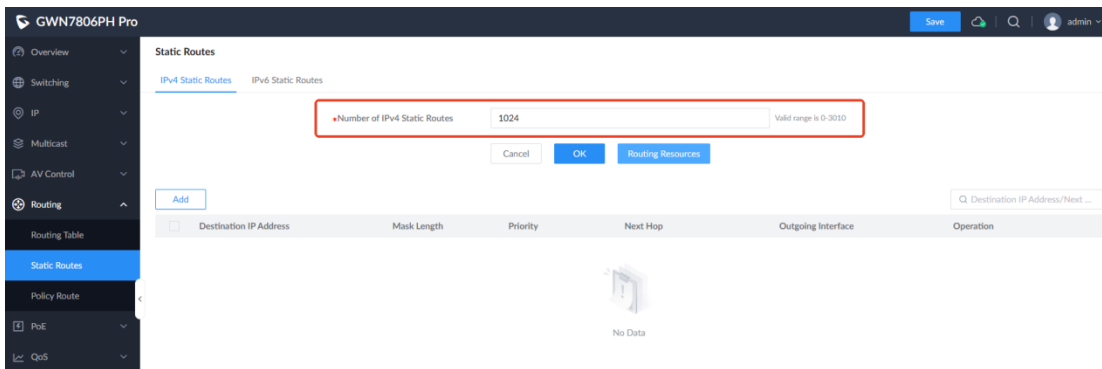
IPv4 Policy Route IPv6 Policy Route

[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



Static Routes

IPv4 Static Routes | IPv6 Static Routes

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.

MLD Matching Domain under MLD Snooping

GWN7801P Pro Save

MLD Snooping

Global Settings | Querier | Router Port | Multicast Address | Multicast Policy | Multicast Port

MLD Snooping

Matching Domain: FF XX :: XX XX : XX XX

Unknown Multicast Packet: Drop This option is associated with the same setting under IGMP Snooping.

Multicast Forward Mode: MAC-Based IP-Based

MLD Version: MLDv1 MLDv2

Report Suppression:



Cancel OK

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

Isolation Group

Undirectional 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
<input type="checkbox"/> 1/0/1	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/2	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/3	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/4	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/5	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/6	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/7	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/8	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/9	--	--	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1/0/10	--	--	<input type="checkbox"/> <input type="checkbox"/>

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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

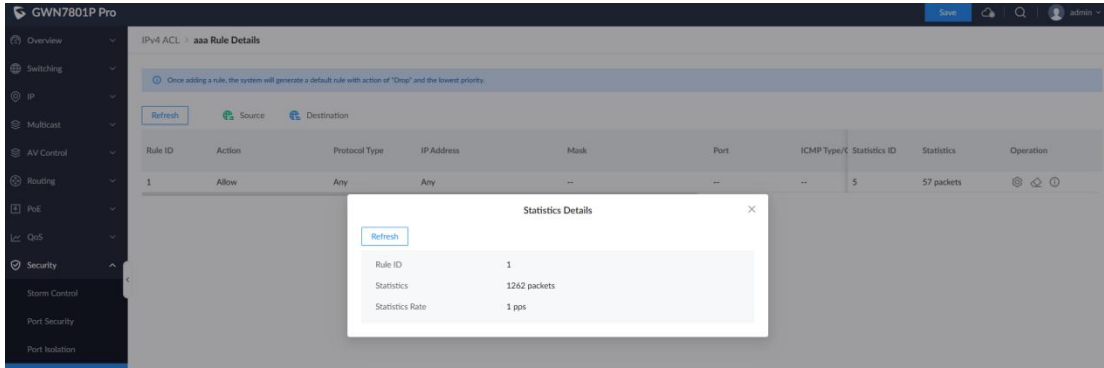
Unidirectional Isolation
 Click on port to select/unselect

Port

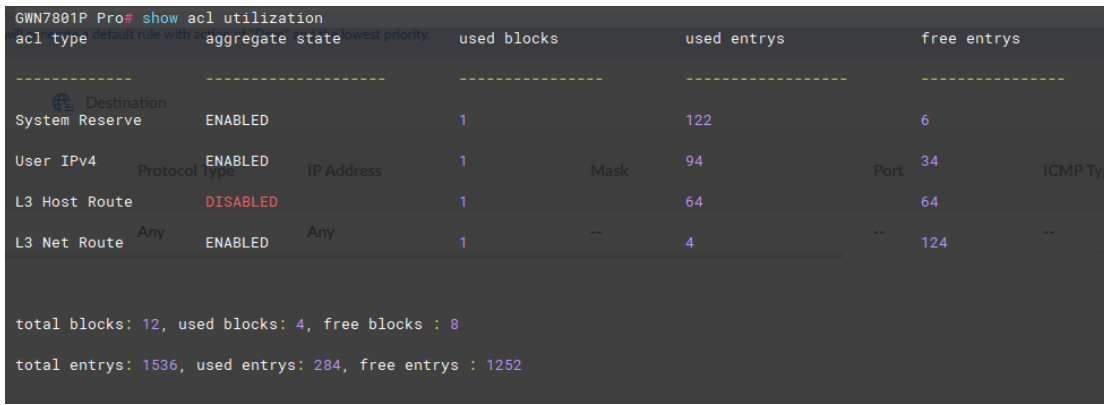
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

ACL advanced statistics settings

Added ACL statistics rate, and support refresh.

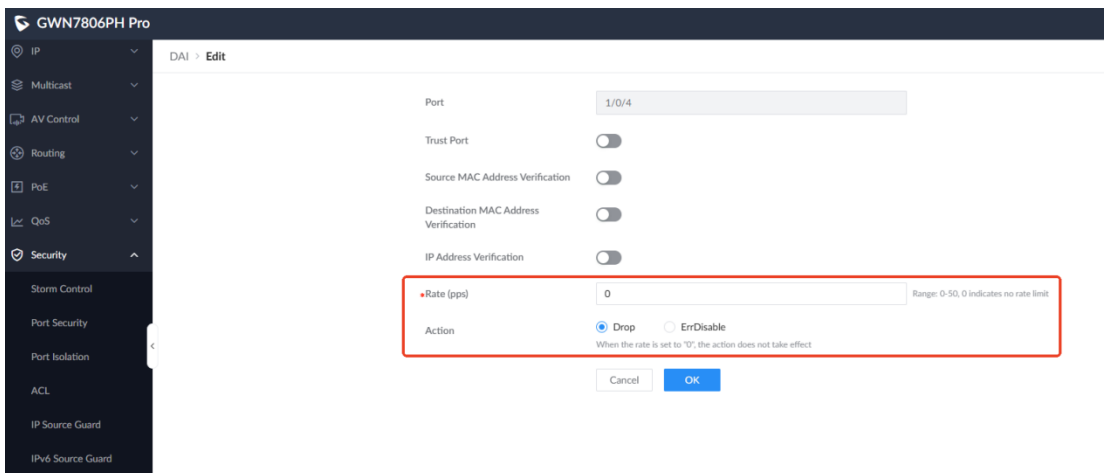


Add ACL utilization in CLI.



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
<input type="checkbox"/> 1/0/1	0	0	0	0	0	
<input type="checkbox"/> 1/0/2	0	0	0	0	0	
<input type="checkbox"/> 1/0/3	0	0	0	0	0	
<input type="checkbox"/> 1/0/4	0	0	0	0	0	
<input type="checkbox"/> 1/0/5	0	0	0	0	0	
<input type="checkbox"/> 1/0/6	0	0	0	0	0	
<input type="checkbox"/> 1/0/7	0	0	0	0	0	
<input type="checkbox"/> 1/0/8	0	0	0	0	0	
<input type="checkbox"/> 1/0/9	0	0	0	0	0	
<input type="checkbox"/> 1/0/10	0	0	0	0	0	

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

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
<input type="checkbox"/> 00:08:82:12:23:45	Wednesday	Force authentication	--	--	--	

Total 1 < 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
<input type="checkbox"/> 00:08:82:12:23:45	Wednesday	Force authentication	--	--	--	

Total 1 < 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

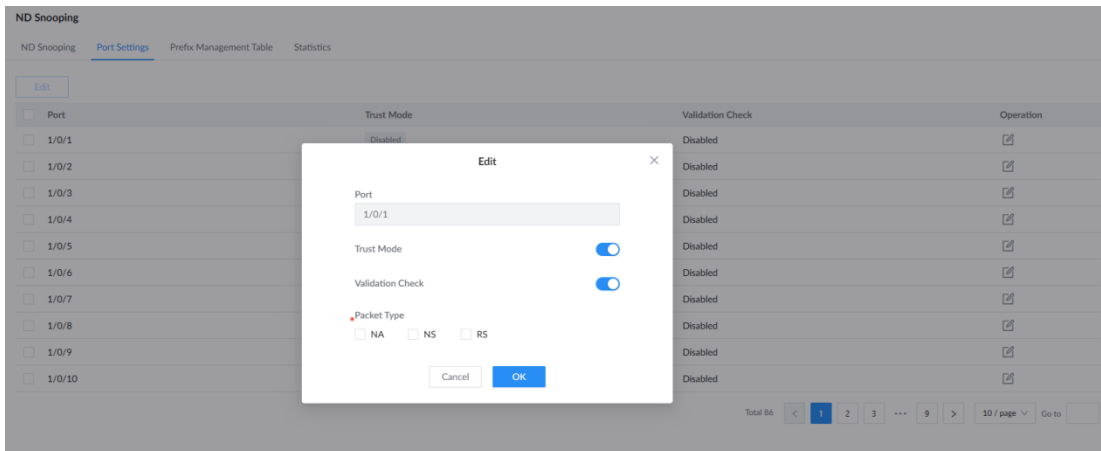
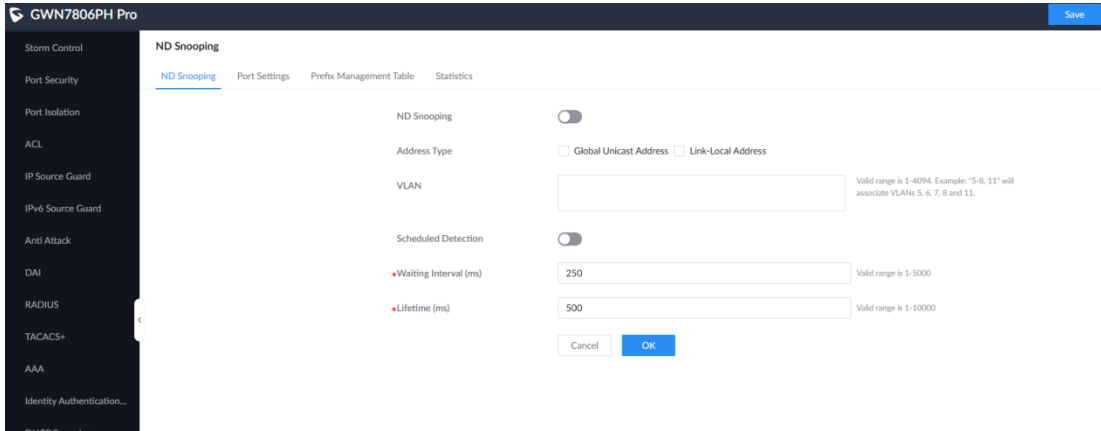
Reauthentication Time (s)
Valid range is 300-2147483647

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.



ND Snooping

ND Snooping Port Settings Prefix Management Table Statistics

Refresh Add Solidify Delete

IPv6 Address/Prefix Length	VLAN	Type	Lease Time (s)	Operation
<div style="border: 1px solid #ccc; padding: 10px; width: fit-content; margin: 0 auto;"> <p>Add ✕</p> <p>IPv6 Address <input type="text"/></p> <p>Prefix Length <input type="text"/> <small>Valid range is 1-128</small></p> <p>VLAN <input type="text"/> <small>Valid range is 1-4094</small></p> <p style="text-align: right;">Cancel OK</p> </div>				

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
<input type="checkbox"/> 1/0/1	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/2	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/3	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/4	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/5	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/6	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/7	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/8	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 1/0/9	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 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	<input type="checkbox"/>
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305192247_Upgrade.cfg	2026/03/05_19:22:47	3.61KB	<input type="checkbox"/>
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305181704_Upgrade.cfg	2026/03/05_18:17:04	3.61KB	<input type="checkbox"/>
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305180355_Upgrade.cfg	2026/03/05_18:03:55	3.62KB	<input type="checkbox"/>
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305174639_Upgrade.cfg	2026/03/05_17:46:39	3.55KB	<input type="checkbox"/>
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305164657_Upgrade.cfg	2026/03/05_16:46:57	3.58KB	<input type="checkbox"/>

Backup & Restore > **Scheduled Backup**

Scheduled Backup

*Backup Time

Support selects one configuration file to use when device reboots.

Backups

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	<input checked="" type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260306094604_Upgrade.cfg	2026/03/06_09:46:04	3.7KB	<input type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305181704_Upgrade.cfg	2026/03/05_18:17:04	3.61KB	<input type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305180355_Upgrade.cfg	2026/03/05_18:03:55	3.62KB	<input type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305174639_Upgrade.cfg	2026/03/05_17:46:39	3.55KB	<input type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305164657_Upgrade.cfg	2026/03/05_16:46:57	3.58KB	<input type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-4-01_20260305151205_Upgrade.cfg	2026/03/05_15:12:05	3.5KB	<input type="checkbox"/>	↓ ↺ 🗑
GWN7806PH_Pro_EC74D7A8C094_1-3-3-01_20260304160604_Upgrade.cfg	2026/03/04_16:06:04	3.3KB	<input type="checkbox"/>	↓ ↺ 🗑

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.

Switching

- IP
- Multicast
- AV Control
- Routing
- PoE
- QoS
- Security
- Maintenance
- Upgrade
- Diagnostics**
- Backup & Restore
- SNMP
- RMON
- LLDP/LLDP-MED

Diagnostics

Basic Settings

Storage Location Local PC TFTP Server

Capture Duration (Min)

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

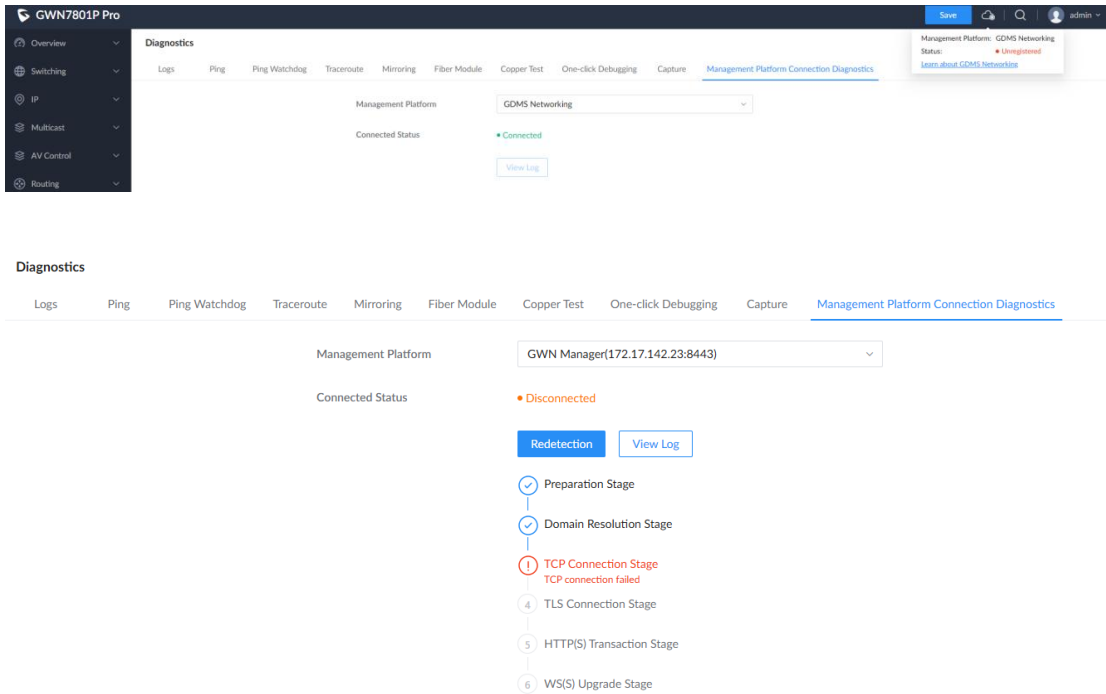
Source MAC Address

Destination MAC Address

Port

Optimized management platform connection diagnostics

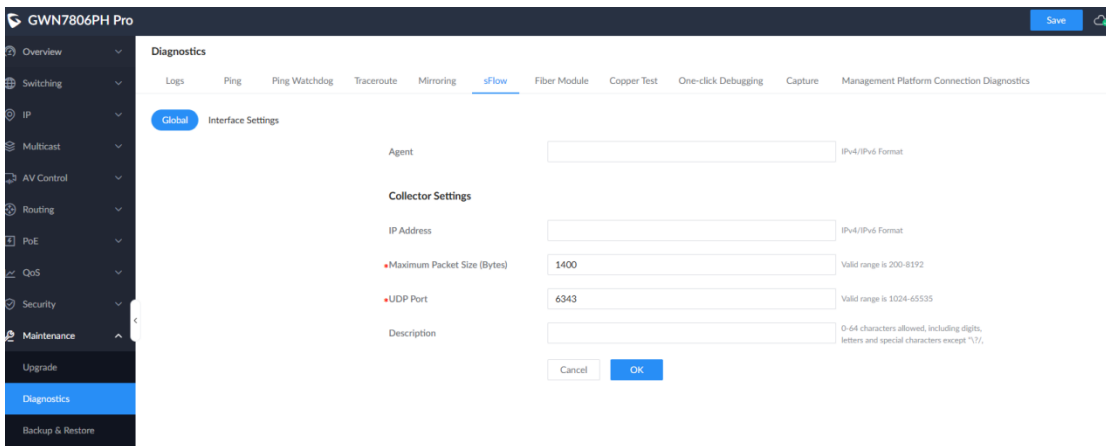
Display all link connection status, including GDMS Networking, GWN Manager and GWN routers.



sFlow function (For 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.



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)	
<input type="checkbox"/> 1/0/1	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/2	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/3	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/4	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/5	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/6	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/7	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/8	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 1/0/9	Disabled	--	--	--	Disabled	--	
<input type="checkbox"/> 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

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

[Reset](#)

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: | OID Subtree: +

Cancel OK Add +

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

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	<input type="checkbox"/>
CPU	<input type="checkbox"/>
Monitor	<input type="checkbox"/>
Port ErrDisable	<input type="checkbox"/>
MAC Address Notification	<input type="checkbox"/>
Port Security	<input type="checkbox"/>
PoE Power Supply	<input type="checkbox"/>
Logs	<input type="checkbox"/>
VLAN Creation	<input type="checkbox"/>
VLAN Deletion	<input type="checkbox"/>
Configuration Distribution	<input type="checkbox"/>
ARP Notification	<input type="checkbox"/>
Fiber Module Alert	<input type="checkbox"/>

Cancel OK

Alert

 Alert Settings Fiber Module Alert Statistics Scheduled Notification

 Device Uptime

Report Interval (s)

Valid range is 1-86400

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	<input checked="" type="checkbox"/>	Error	80 %	30	80 %	10
Memory Usage	<input checked="" type="checkbox"/>	Error	80 %	30	80 %	10
PoE Power	<input checked="" type="checkbox"/>	Error	80 %	30	80 %	10
Mac Address Exceeds Limit	<input checked="" type="checkbox"/>	Error	80 %	30	80 %	10
Temperature	<input checked="" type="checkbox"/>	Error	75 °C	30	75 °C	10
Fan Malfunction	<input checked="" type="checkbox"/>	Error	--	30	--	10
PoE Chip Malfunction	<input checked="" type="checkbox"/>	Error	--	30	--	10
Power Supply Malfunction	<input checked="" type="checkbox"/>	Error	--	30	--	10
ARP Limit Exceeded	<input checked="" type="checkbox"/>	Error	80 %	30	80 %	10

Alert

 Alert Settings Fiber Module Alert Statistics Scheduled Notification

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
<input type="checkbox"/> 1/0/49	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	<input type="checkbox"/>
<input type="checkbox"/> 1/0/50	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	<input type="checkbox"/>
<input type="checkbox"/> 1/0/51	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	<input type="checkbox"/>
<input type="checkbox"/> 1/0/52	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	<input type="checkbox"/>
<input type="checkbox"/> 1/0/53	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	<input type="checkbox"/>
<input type="checkbox"/> 1/0/54	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	<input type="checkbox"/>

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

Port:

Type	Alert Status	Log Level	Alert Difference	Alert Waiting Time (s)	Recovery Difference	Restore Waiting Time (s)
High Temperature Alert	<input checked="" type="checkbox"/>	Error	0 °C	30	0 °C	10
Low Temperature Alert	<input checked="" type="checkbox"/>	Error	0 °C	30	0 °C	10
Overvoltage Alert	<input checked="" type="checkbox"/>	Error	0 V	30	0 V	10
Undervoltage Alert	<input checked="" type="checkbox"/>	Error	0 V	30	0 V	10
High Tx Power Alert	<input checked="" type="checkbox"/>	Error	0 dBm	30	0 dBm	10
Low Tx Power Alert	<input checked="" type="checkbox"/>	Error	0 dBm	30	0 dBm	10
High Rx Power Alert	<input checked="" type="checkbox"/>	Error	0 dBm	30	0 dBm	10
Low Rx Power Alert	<input checked="" type="checkbox"/>	Error	0 dBm	30	0 dBm	10
High Bias Current Alert	<input checked="" type="checkbox"/>	Error	0 mA	30	0 mA	10
Low Bias Current Alert	<input checked="" type="checkbox"/>	Error	0 mA	30	0 mA	10

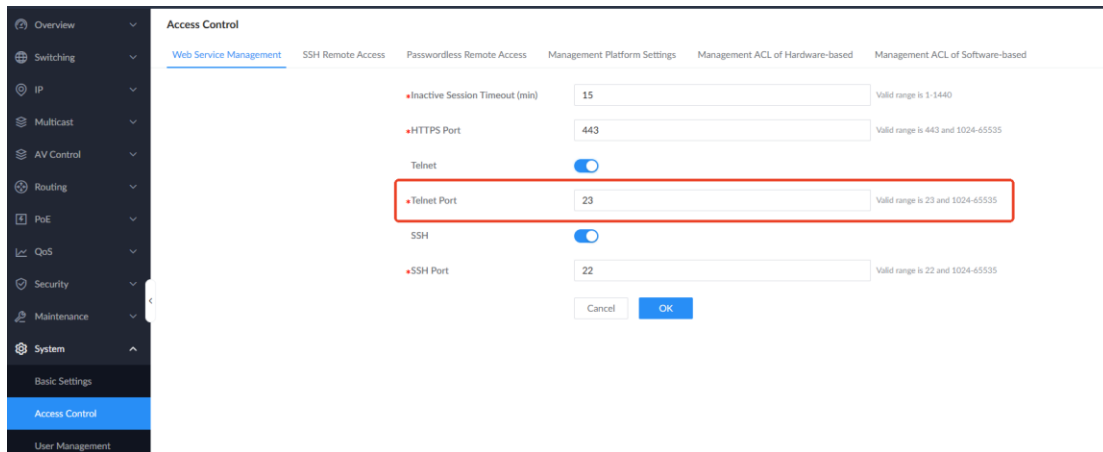
Alert

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

1/0/49

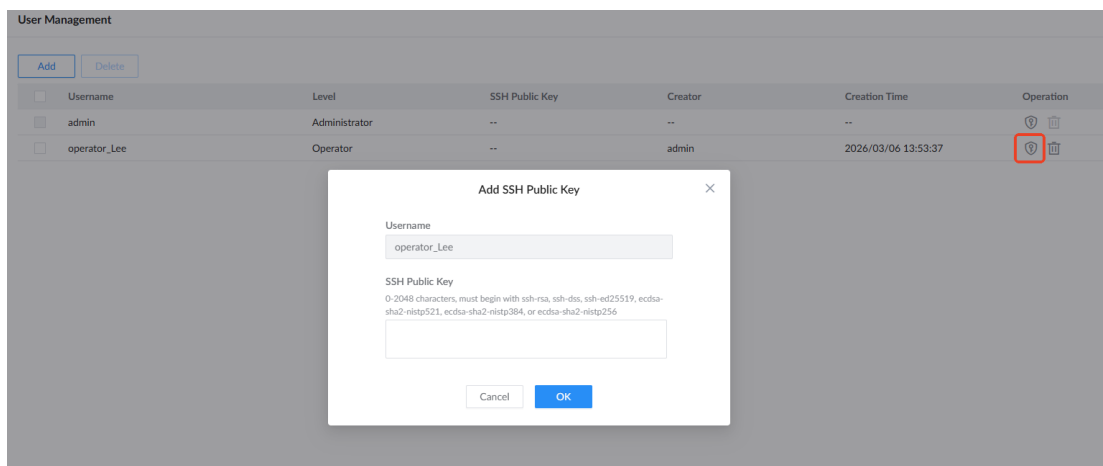
Type	Current Status	Last Alert Time	Last Alert Actual Value	Last Restore Time	Last restore Actual Value	Alert Times
High Temperature Alert	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Low Temperature Alert	normal	1970-01-01 08:00:00	0°C	1970-01-01 08:00:00	0°C	0
Overvoltage Alert	normal	1970-01-01 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

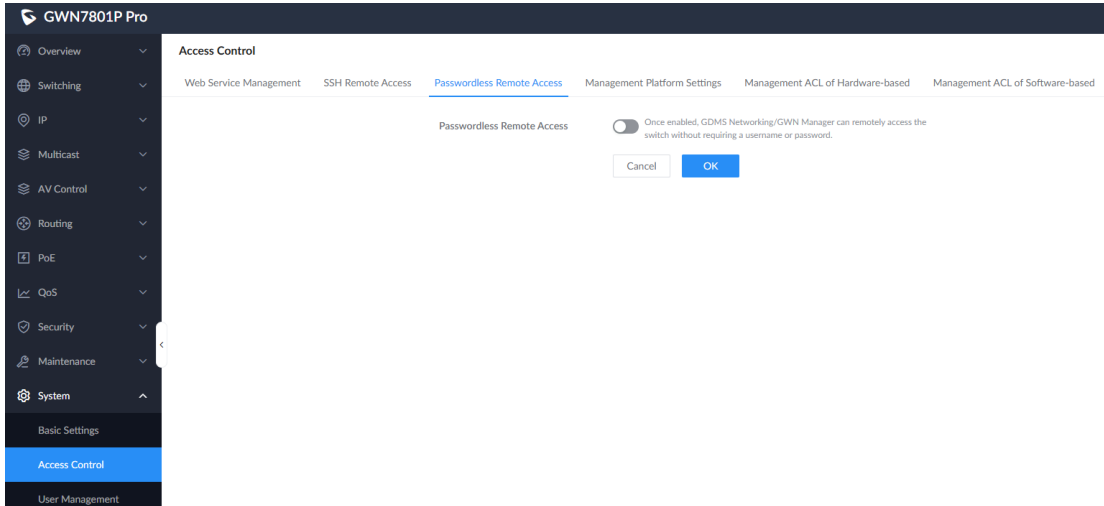


SSH public key for users

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



Support passwordless remote access for GDMs Networking and GWN Manager

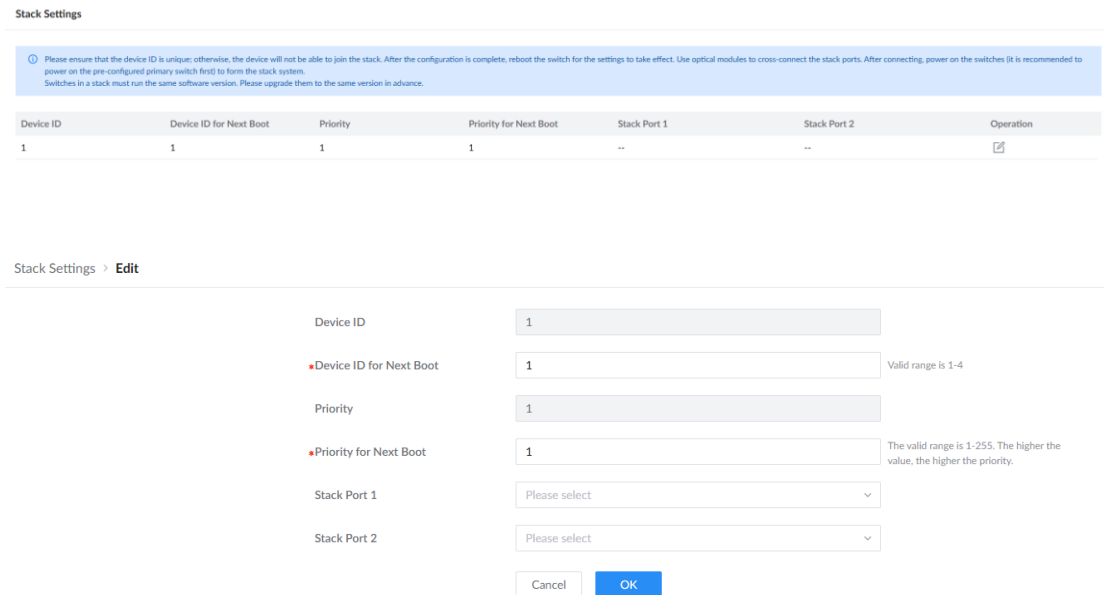


Add more features with stack.

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.



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

The device has 6 built-in templates, which are as follows:

Pro AV

Configuration Template

[Add](#)

Template	Description	Operation
Audio AES67	To connect IP Audio AES67 devices and their controller	<input checked="" type="checkbox"/> <input type="checkbox"/>
Audio Dante	To connect IP Audio Dante devices and their controller	<input checked="" type="checkbox"/> <input type="checkbox"/>
Video NDI4	To connect NDI Version 4 (mTCP) video devices and cameras.	<input checked="" type="checkbox"/> <input type="checkbox"/>
Video NDI5 with Dante-Q-Sys or AES67 audio	To connect NDI Version 5 (RUDP) video devices and cameras. Audio Dante, Q-SYS or AES67 is supported at the same time in the same VLAN.	<input checked="" type="checkbox"/> <input type="checkbox"/>
Video with AES67 audio	To connect IP Video devices and their controller. Audio AES67 supported at the same time in the same VLAN. Supported devices include NVX, AMX, ZeeVee, Aurora, Kramer, Atlona, LibAV, Visionary, Wyrestorm, Extron NAV, Dante Video, SDVoE & etc.	<input checked="" type="checkbox"/> <input type="checkbox"/>
Video with Dante audio	To connect IP Video devices and their controller. Audio Dante supported at the same time in the same VLAN. Supported devices include NVX, AMX, ZeeVee, Aurora, Kramer, Atlona, LibAV, Visionary, Wyrestorm, Extron NAV, Dante Video, SDVoE & etc.	<input checked="" type="checkbox"/> <input type="checkbox"/>

Users can add more customized templates using the “Add” button:

X

Add Template

***Template**
 1-64 characters, including digits, letters and special characters except
 "\?/,

Description
 0-256 characters, including digits, letters and special characters except
 "\?/,

Multicast

It is recommended to enable multicast, otherwise it may cause network congestion and affect usage.

E2E TC

Cancel
OK


(2) Pro AV port-level configuration

In the port application template, integrate VLAN switching technology, multicast technology, stream classification technology, etc., and generate a configuration file, then the configuration will take effect.

Configuration > Add Configured Profile

Click port to change the member type


Tagged Untagged



LAG

Click port to change the member type

Tagged Untagged



Configured Profiles

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

Template

VLAN ID

Valid range is 1-4094

Color

Pro AV

Configuration Template



Port



LAG



Configured Profiles

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: 6dcf890d01d3e857c42f856d2bfееec0
- GWN 7806PH/PL Pro Firmware file name: gwn7806fw.bin
MD5 checksum: 2f3c77e0b00bd1748e71727d88e29e59

CHANGES/ENHANCEMENT

- This is the initial firmware for GWN780x Pro models.