

GWN78xx 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.
GWN78XX	1.0.15.x	Cannot downgrade to 1.0.13.x or lower firmware version.
GWN78XX	1.0.13.6	Combined all GWN78xx switches model firmware release together since 1.0.13.6. For 1.0.9.15 and previous firmware release notes, please visit: https://www.grandstream.com/support/firmware

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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

(GWN7801(P)/02(P)/03(P)/06(P) Only)

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)

DATE

10/01/2026

FIRMWARE FILE INFORMATION

- GWN7801(P)/02(P)/03(P) Firmware file name: gwn780xfw.bin
MD5 checksum: fc094e468752716a409e718e32a5bfe3
- GWN7806(P) Firmware file name: gwn7806fw.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.
- 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.
- Fixed internal bugs.

FIRMWARE VERSION 1.0.17.12 (GWN7801(P)/02(P)/03(P) Only)

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P)

DATE

08/27/2026

FIRMWARE FILE INFORMATION

- GWN7801(P)/02(P)/03(P) Firmware file name: gwn780xfw.bin
MD5 checksum: 6b84ec8fb21d63d22b8e7221c1e83f71

CHANGES/ENHANCEMENT

- Added support for multiple RADIUS servers.
- Added support for RADIUS authorization and accounting function in AAA.
- Added support for multiple TACACS+ servers.
- Added support for TACACS+ authorization and accounting function in AAA.
- Removed SSH remote access and add remote support in diagnostics.
- Added HTTPS TLS version settings.
- Added more Grandstream OUI for Voice VLAN
- Added MAC Address Hashing Algorithm for MAC Address
- Optimized address pool settings of DHCP server
- Optimized ARP/NDP
- Added user-customized static route specification
- Added MLD Matching Domain under MLD Snooping
- Optimized port security function
- Optimized Port Isolation function
- Optimized ACL advanced statistics settings
- Added ACL utilization in CLI
- Supported drop packets when rate is non-0 and counter dropped packets in DAI
- Optimized Identity Authentication Management
- Added ND Snooping
- Added auto backup function
- Supported use one configuration file when device reboots
- Optimized management platform connection diagnostics
- Optimized SNMP function

- Added more alert
- Added port configuration for Telnet
- Added SSH public key for users
- Support passwordless remote access for GDMS Networking and GWN Manager
- Updated the total PoE power from 120W to 130W for GWN7801P and GWN7801P Pro.
- Fixed firmware version 1.0.17.11 compatibility issue with GWN7802 and GWN7803 hardware version 1.5A and older, which may cause some ports stop working. (GWN7801(P), GWN7802P, GWN7803P are not impacted).
- Fixed an issue where LAG/LACP Does not work using 10Gtek SFP-P0.42M.
- Fixed internal bugs.

FIRMWARE VERSION 1.0.17.11 (GWN7806(P) Only)

PRODUCT NAME

GWN7806(P)

DATE

07/08/2026

FIRMWARE FILE INFORMATION

- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: 9073c32ff88f26c2a9588efc3913743b

CHANGES/ENHANCEMENT

- 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. [**TACACS+ Multiple Server**]
- Removed SSH remote access and add remote support in diagnostics. [**Remote Support**]
- Added HTTPS TLS version settings. [**HTTPS TLS Version Configuration**]
- Fixed internal bugs.

NEW FEATURE OVERVIEW

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

Add

Delete

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

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+

AddDelete

☐	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

49

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)

5

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

default

default

default

default

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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Routing

QoS

Security

Storm Control

Port Security

Port Isolation

ACL

IP Source Guard

IPv6 Source Guard

Anti Attack

DAI

RADIUS

TACACS+

AAA

AAA

Login Authentication Session Session Accounting

Console

Telnet

SSH

HTTPS

default

default

default

default

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	✎ ✖

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 "/";

Method 1

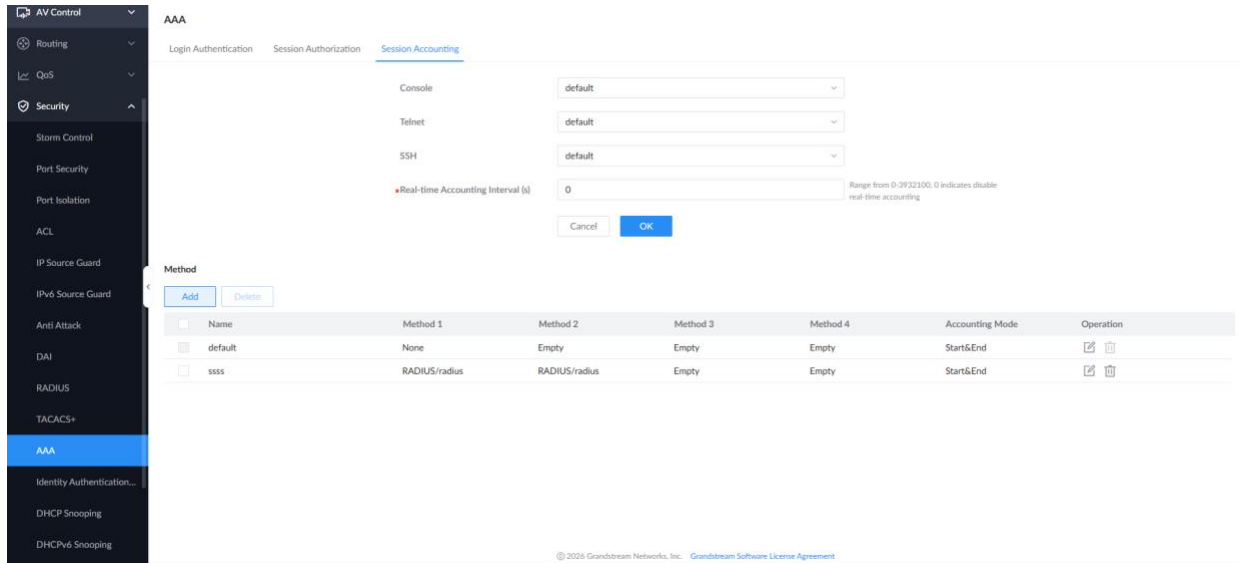
Method 2

Method 3

... ..

Cancel **OK**

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AAA

Login Authentication Session Authorization **Session Accounting**

Console default

Telnet default

SSH default

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

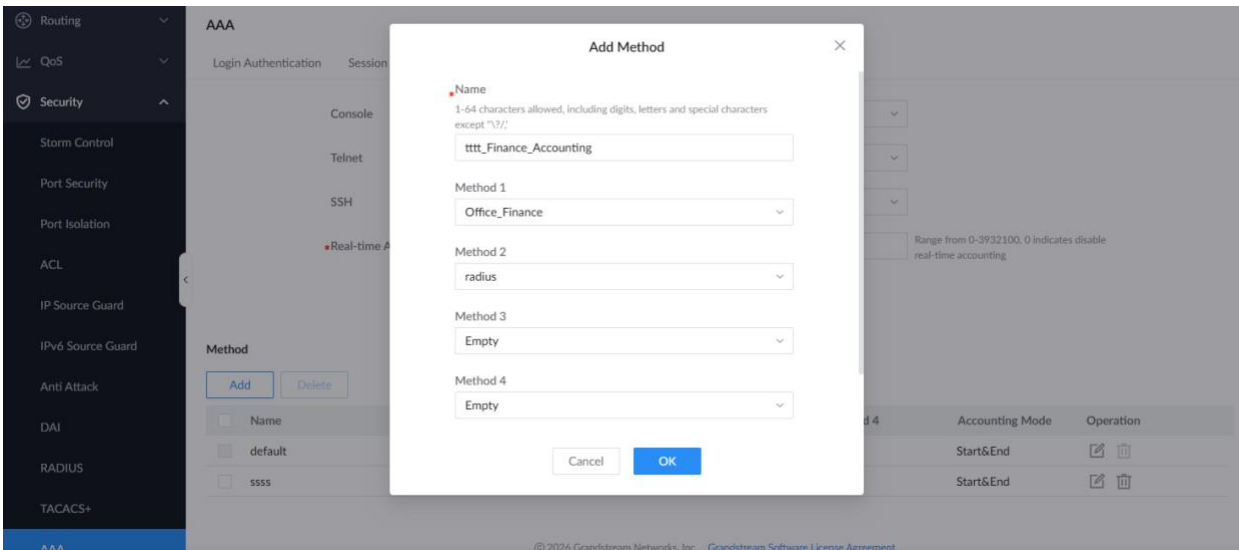
Cancel OK

Method

Add Delete

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

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

Method 4
Empty

Cancel OK

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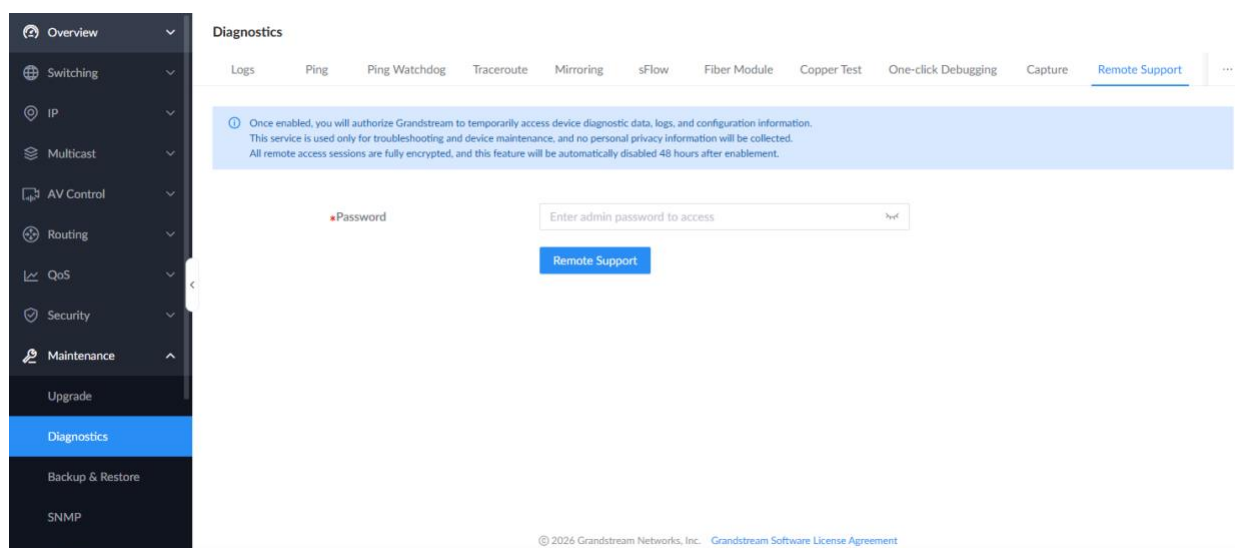
The support details are as follows:

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

HTTPS	√	√	×	×	×
-------	---	---	---	---	---

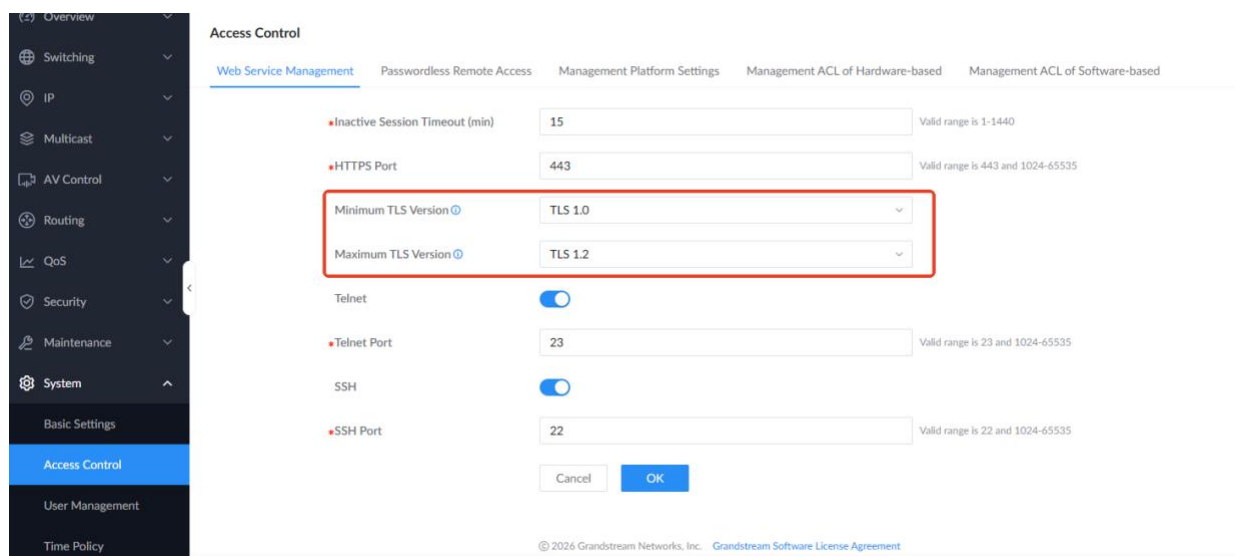
Remote Support

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



HTTPS TLS Version Configuration

Added configuration for TLS encryption versions for HTTPS web access.



FIRMWARE VERSION 1.0.17.6 (GWN7806(P) Only)

PRODUCT NAME

GWN7806(P)

DATE

06/02/2026

FIRMWARE FILE INFORMATION

- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: 6ac976904645b262af890c48e15e868d

CHANGES/ENHANCEMENT

- Increased the maximum supported number of multicast to 512.
- Fixed internal bugs.

FIRMWARE VERSION 1.0.17.5 (GWN7806(P) Only)

PRODUCT NAME

GWN7806(P)

DATE

04/15/2026

FIRMWARE FILE INFORMATION

- GWN7806(P) Firmware file name: gwn7806fw.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 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	☒ 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

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 ☐ Half	
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									
Port Statistics									
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 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	Polycorn	
64:16:7F:00:00:00	FFFF:FF:00:00:00:00	Polycorn	
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

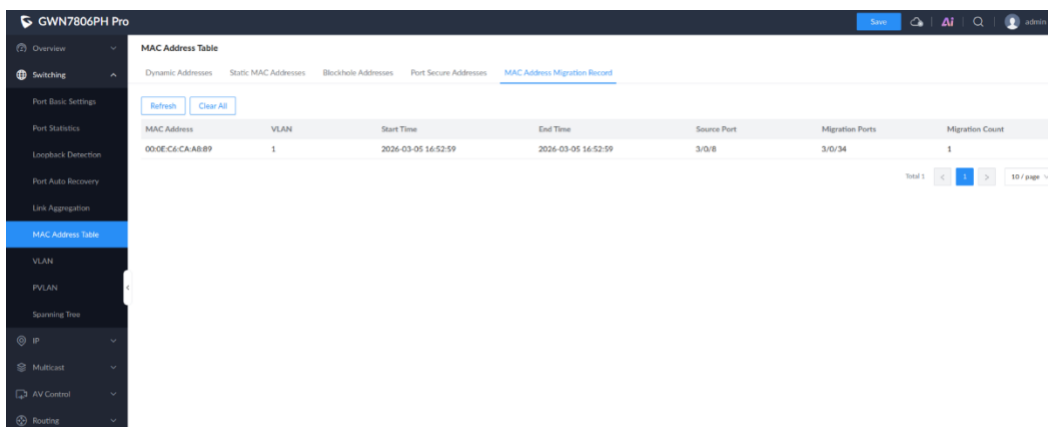
• Aging Time (s) 300 Valid range is 0 and 60-1000000

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

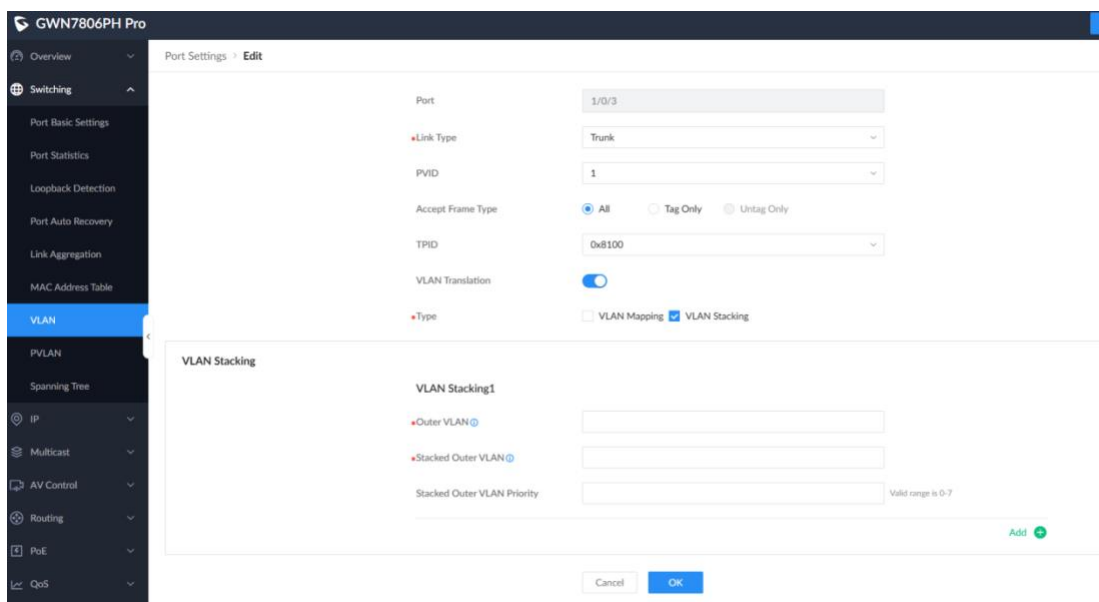


The screenshot shows the 'MAC Address Migration Record' page in the GWN7806PH Pro web interface. The left sidebar contains navigation options: Overview, Switching, Port Basic Settings, Port Statistics, Loopback Detection, Port Auto Recovery, Link Aggregation, MAC Address Table (selected), VLAN, PVLAN, 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. One record is shown for MAC 00:0E:C6:CA:A8:B9 on VLAN 1, with start and end times of 2026-03-05 16:52:59 and source port 3/0/18. The migration ports are 3/0/34 and the count is 1. A pagination bar at the bottom indicates '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	2026-03-05 16:52:59	2026-03-05 16:52:59	3/0/18	3/0/34	1

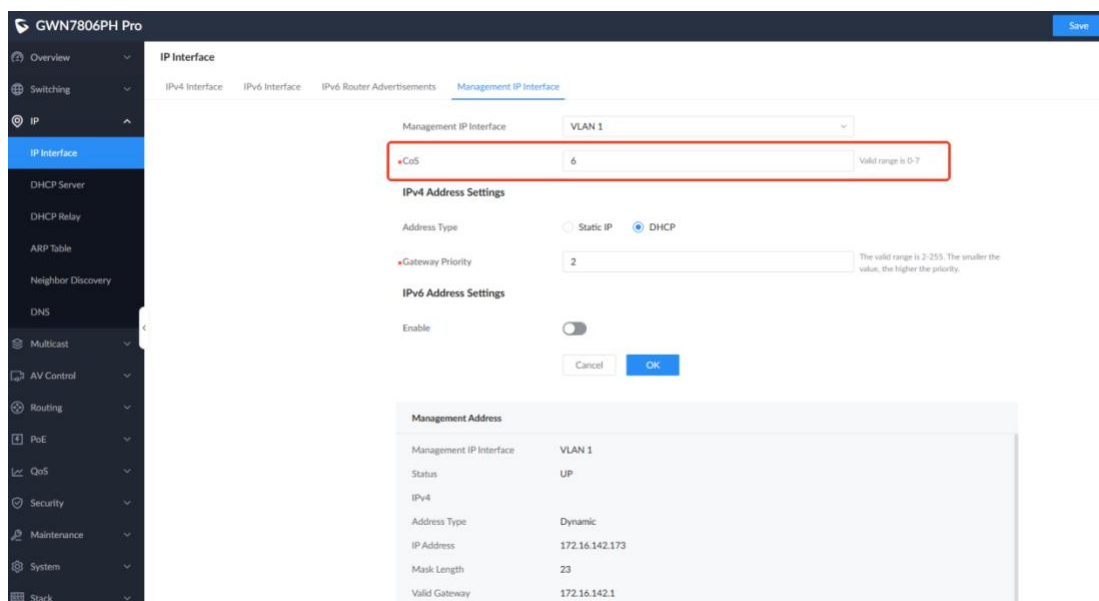
VLAN Stacking function

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 'VLAN Stacking' configuration page in the GWN7806PH Pro web interface. The left sidebar is the same as the previous screenshot, with 'VLAN' selected. The main content area has a 'Port Settings' tab and an 'Edit' button. The configuration fields include: Port (1/0/3), Link Type (Trunk), PVID (1), Accept Frame Type (All selected, Tag Only and Untag Only unselected), TPID (0x8100), VLAN Translation (enabled), and Type (VLAN Mapping unselected, VLAN Stacking selected). Below these is the 'VLAN Stacking' section with fields for VLAN Stacking1, Outer VLAN (with a help icon), Stacked Outer VLAN (with a help icon), and Stacked Outer VLAN Priority. A note states 'Valid range is 0-7'. There are 'Cancel' and 'OK' buttons at the bottom.

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	7c7a3c81:e5:72	VLAN 1	1/0/8	Dynamic	651	 
☐ 172.16.143.19	d0:5fafe0:2e:6e	VLAN 1	1/0/8	Dynamic	950	 
☐ 172.16.143.8	c0:74:ad:ba:24:cb	VLAN 1	1/0/8	Dynamic	325	 
☐ 172.16.143.1	b4:64:15:c6:db:bc	VLAN 1	1/0/8	Dynamic	1195	 
☐ 172.16.142.165	c0:74:ad:b9:3b:16	VLAN 1	1/0/8	Dynamic	465	 
☐ 172.16.142.154	78:60:5b:67:fd:6f	VLAN 1	1/0/8	Dynamic	520	 
☐ 172.16.142.146	c0:74:ad:b9:3b:dc	VLAN 1	1/0/8	Dynamic	1181	 
☐ 172.16.142.143	c0:74:78:11:00:90	VLAN 1	1/0/8	Dynamic	350	 
☐ 172.16.142.142	c0:74:78:11:90:30	VLAN 1	1/0/8	Dynamic	1059	 
☐ 172.16.142.141	c0:74:ad:cc:ff:44	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

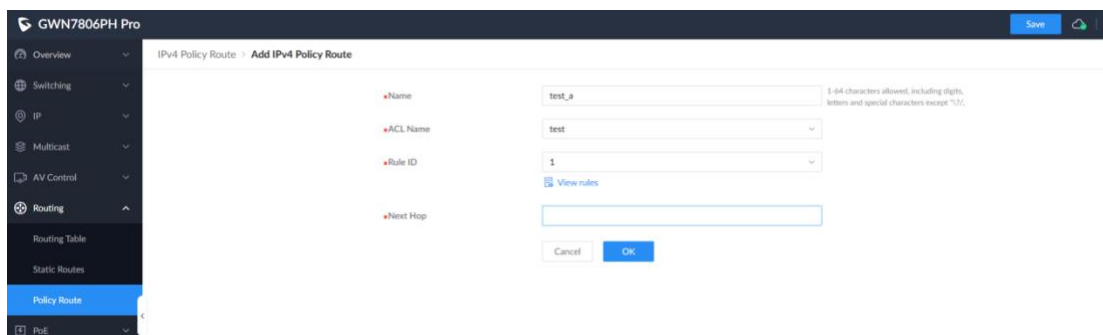
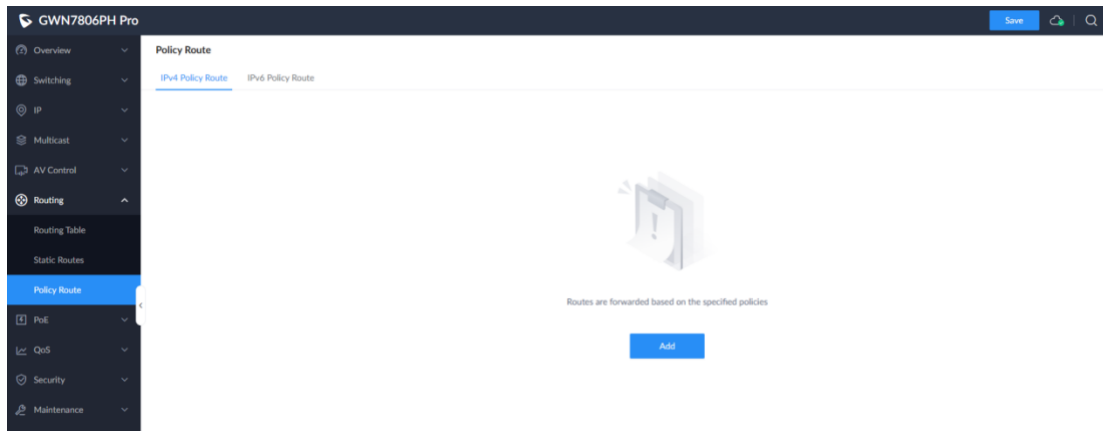
Q IP Interface/IP Address/MAC ...

IP Address	IP Interface	MAC Address	Operation
☐ 172.16.143.1	VLAN 1	B4:64:15:C6:DB:BC	 
☐ 172.16.142.135	VLAN 1	EC:74:D7:3D:91:7C	 

Total 2 < 1 > 10 / page

Policy Route

Routing forwarding according to user-defined policies.



Policy Route

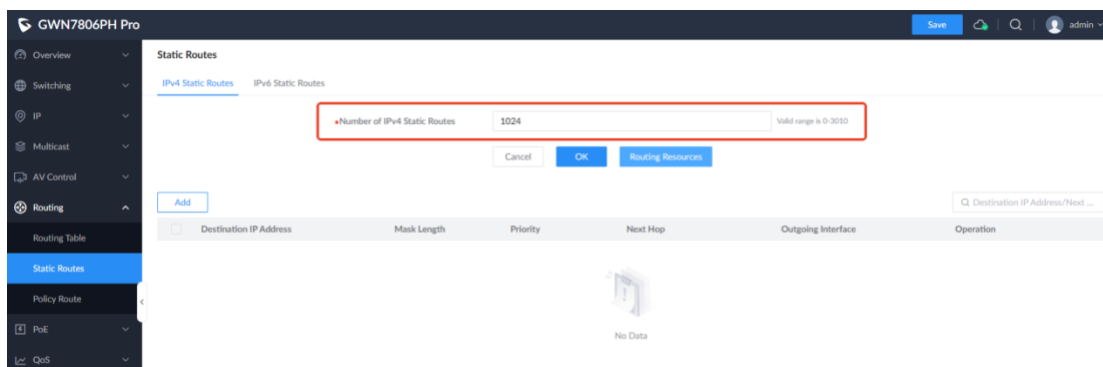
IPv4 Policy Route IPv6 Policy Route

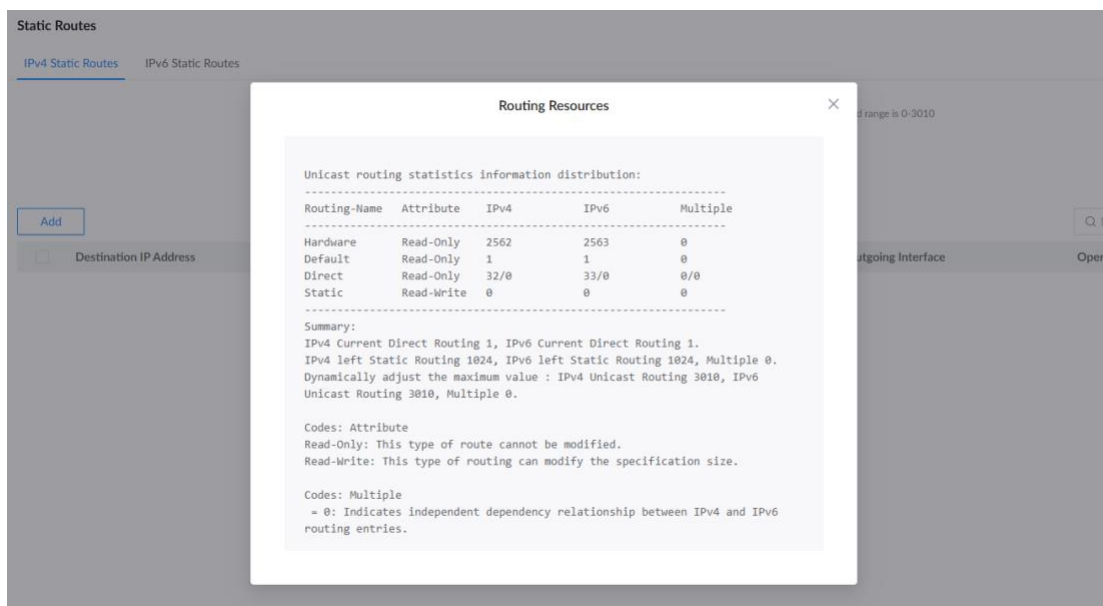
[Add](#) [Delete](#)

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

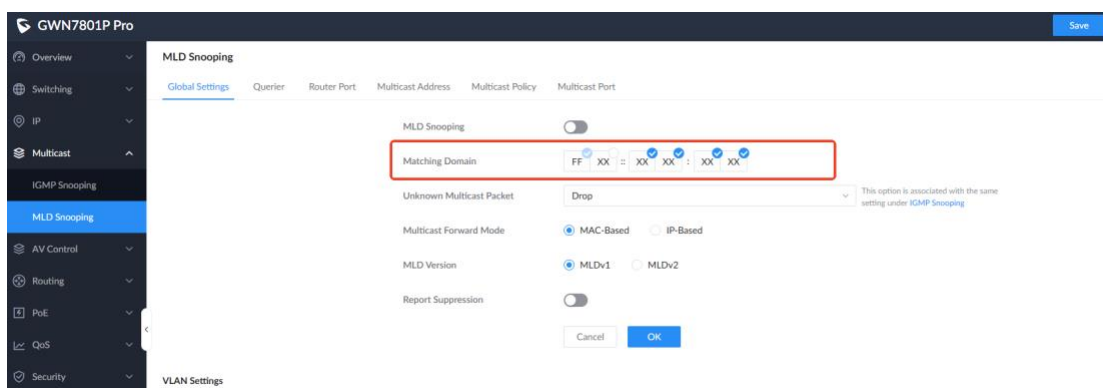
Total 1 [1](#) / page

User-customized static route specification





MLD Matching Domain under MLD Snooping



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

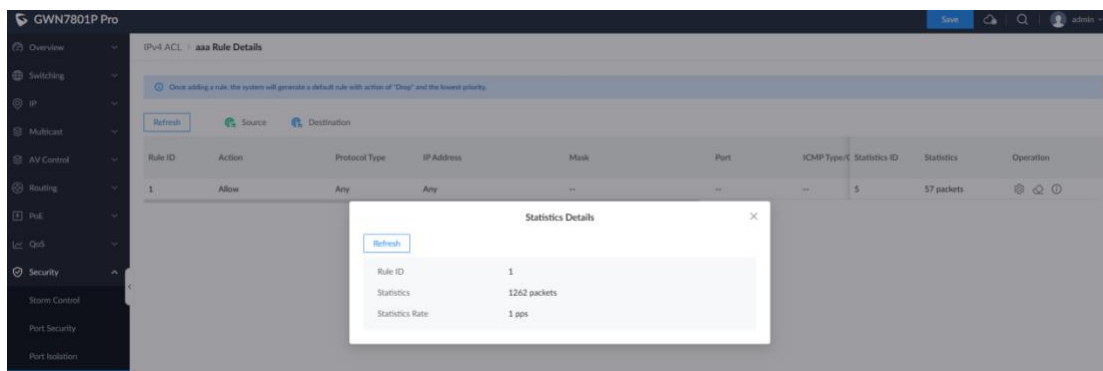
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

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

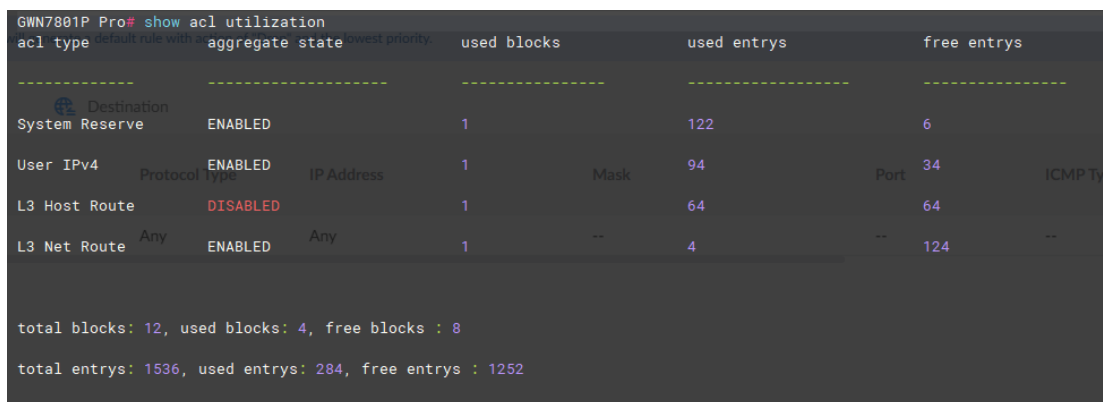
Cancel OK

ACL advanced statistics settings

Added ACL statistics rate, and support refresh.

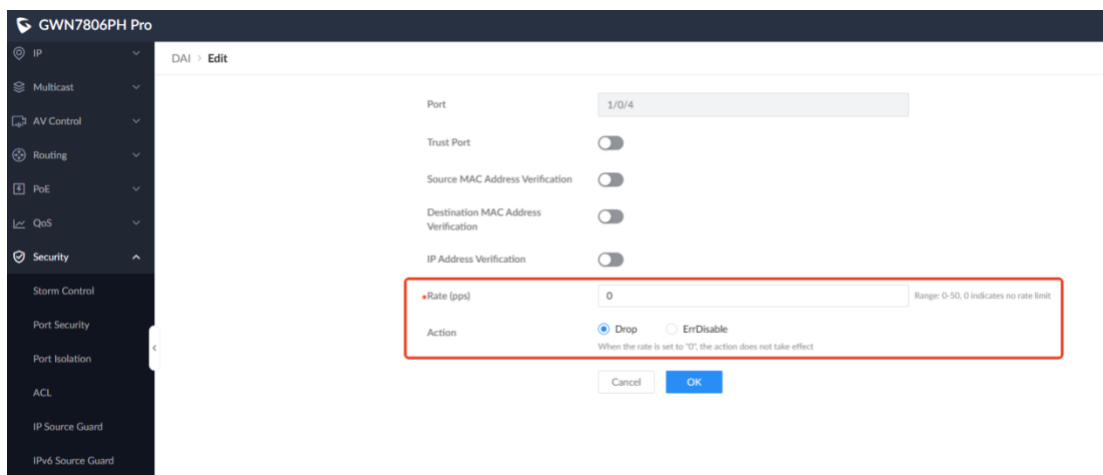


Add ACL utilization in CLI.



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	--	--	--	

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

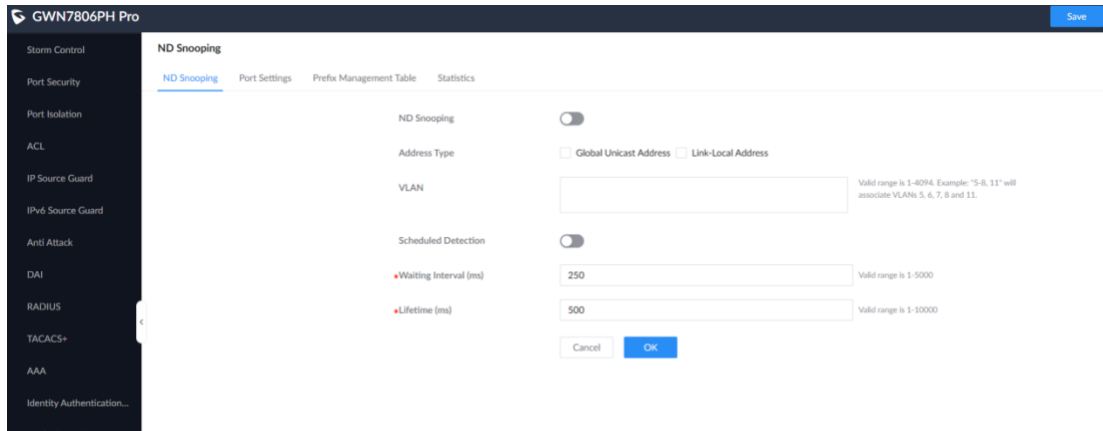
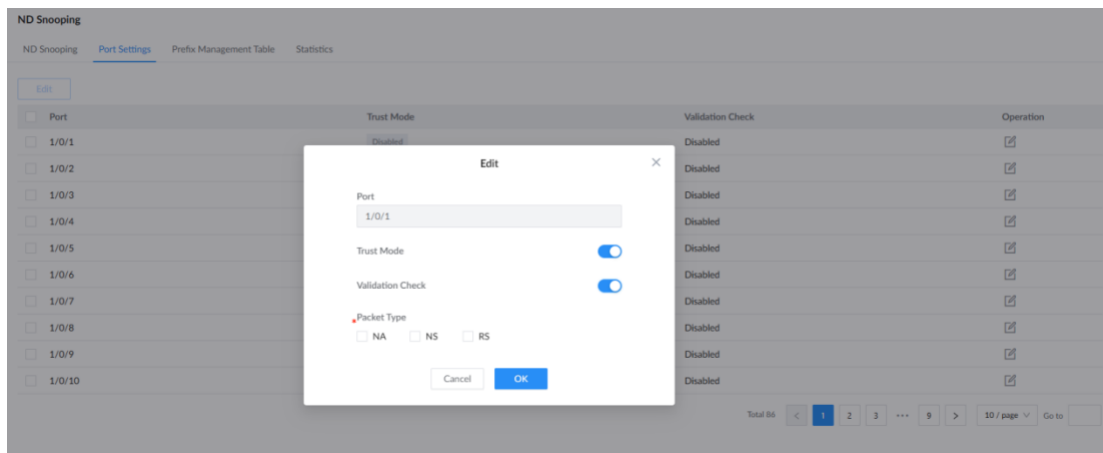
Reauthentication Time (s): Valid range is 300-2147483647

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.

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	

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 (OH)

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.

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

Packet Matching

VLAN

Source MAC Address

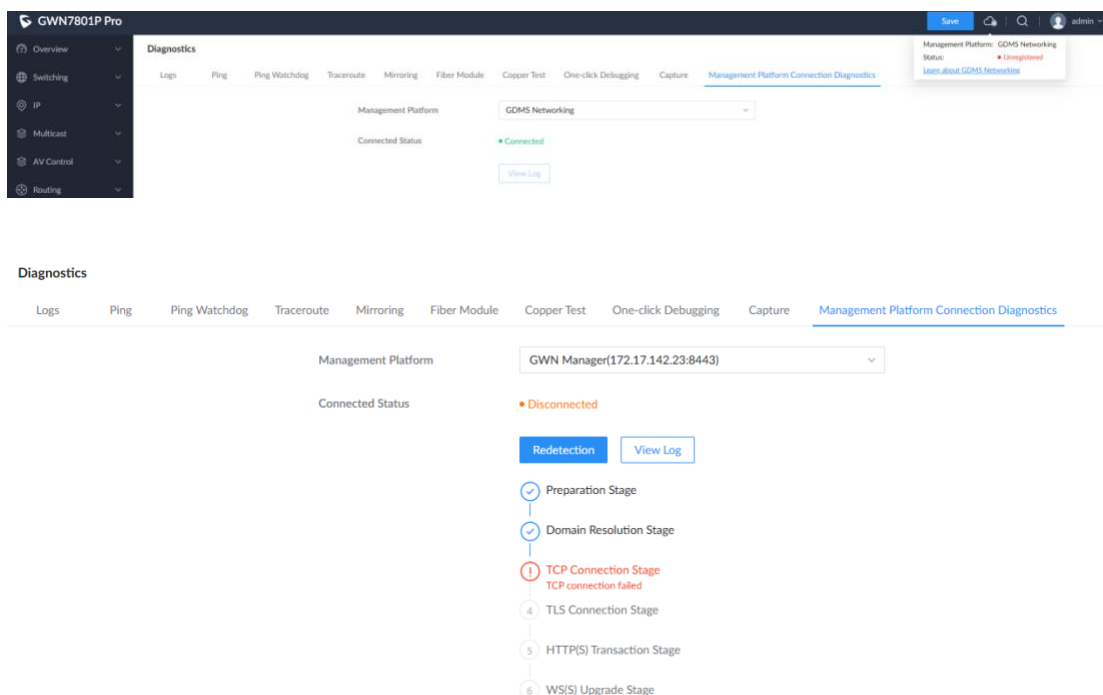
Destination MAC Address

Port

Start Capturing

Optimized management platform connection diagnostics

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



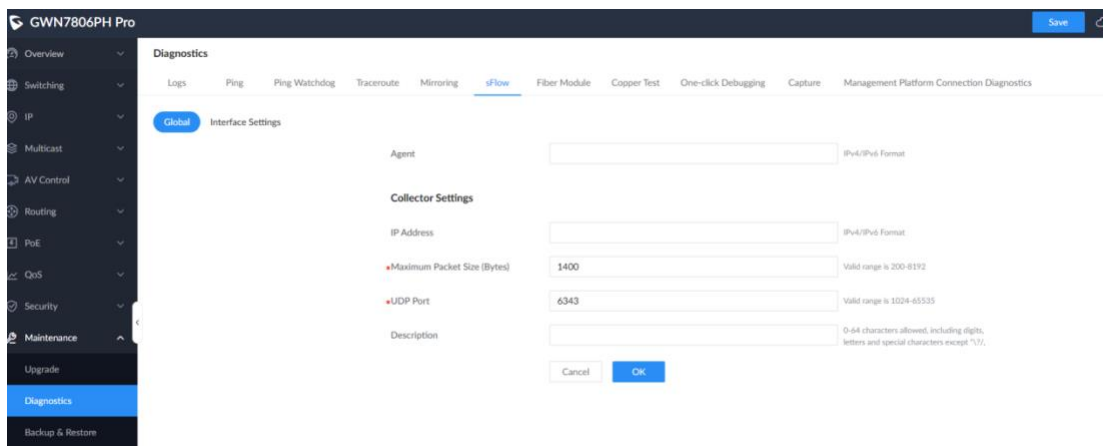
The screenshot shows the 'Management Platform Connection Diagnostics' page for GWN7801P Pro. The 'Management Platform' is set to 'GDM5 Networking' and the 'Connected Status' is 'Connected'. A 'View Log' button is present. Below this, a detailed diagnostic flow is shown:

- Preparation Stage (Completed)
- Domain Resolution Stage (Completed)
- TCP Connection Stage (Failed) - TCP connection failed
- TLS Connection Stage (Pending)
- HTTP(S) Transaction Stage (Pending)
- WS(S) Upgrade Stage (Pending)

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.



The screenshot shows the 'sFlow' configuration page for GWN7806PH Pro. The 'Global' tab is selected, and the 'Interface Settings' section is active. The configuration fields are as follows:

- Agent: (Empty field)
- Collector Settings:
 - IP Address: (Empty field)
 - Maximum Packet Size (Bytes): 1400 (Valid range is 200-8192)
 - UDP Port: 6343 (Valid range is 3224-65535)
 - Description: (Empty field, 0-64 characters allowed)

Buttons for 'Cancel' and 'OK' are at the bottom.

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](#)
[OK](#)

Optimize SNMP function

Support configures 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](#)
[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)

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

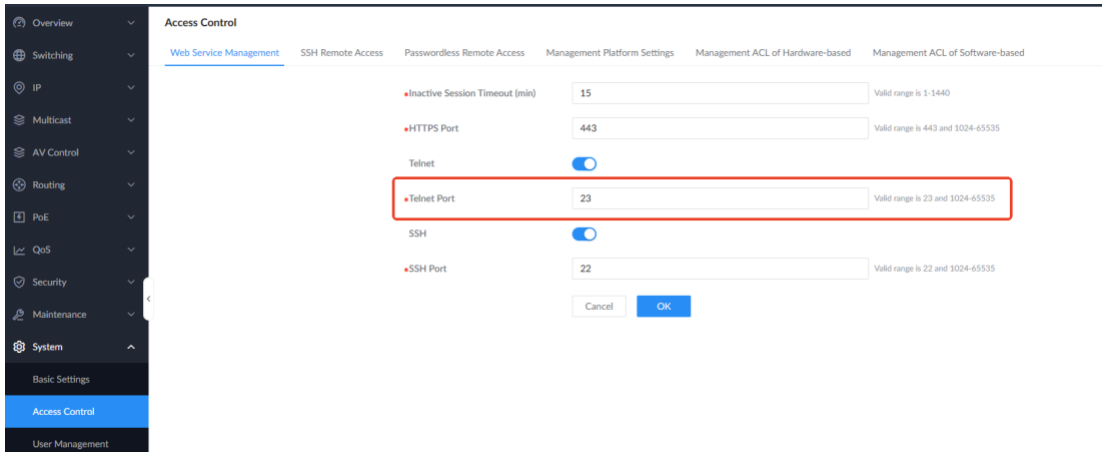
 Alert Settings Fiber Module Alert **Statistics** Scheduled Notification

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)

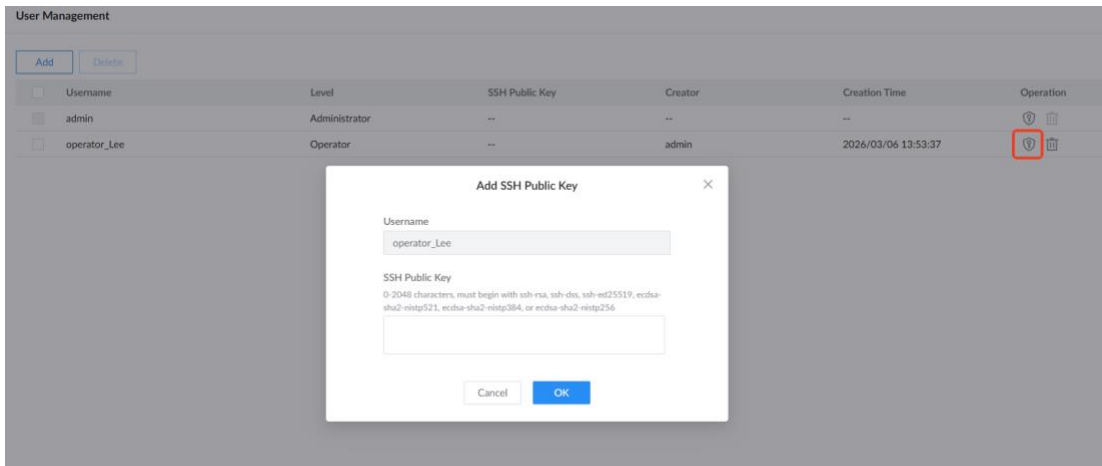
SSH: ☒

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

Cancel OK

SSH public key for users

Once configured SSH public key, 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	

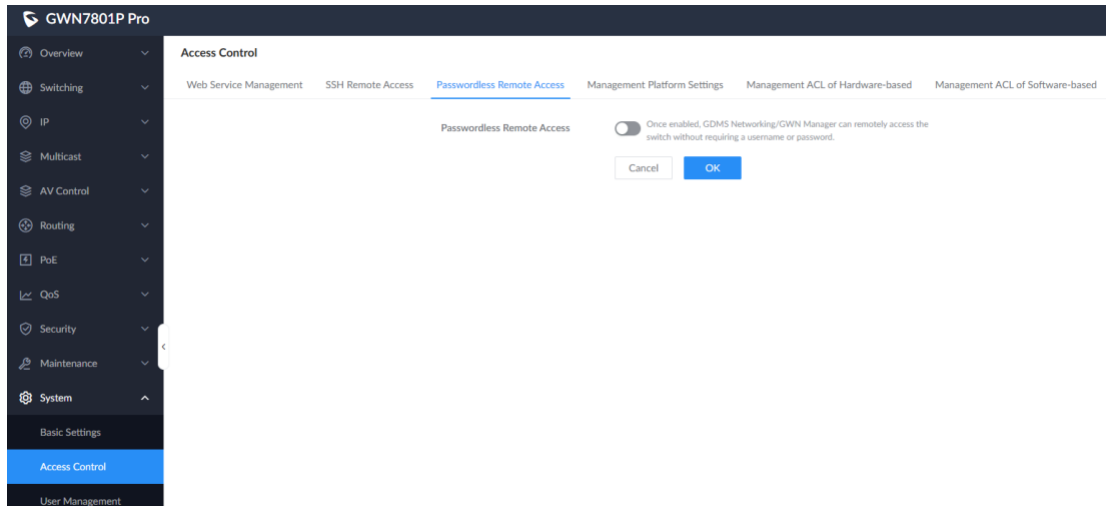
Add SSH Public Key

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 1.0.15.138 (GWN7801(P),02(P),03(P) Only)

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P)

DATE

02/13/2026

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: 3eaaf9653ac79ccb232f9eb49551426b

CHANGES/ENHANCEMENT

- Fixed internal bugs.

FIRMWARE VERSION 1.0.15.137

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)
GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P)
GWN7821P, GWN7822P
GWN7830, GWN7831, GWN7832

DATE

02/04/2025

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: adfaad17003927adf946225b0182d159
- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: 66171bd1ae7a9bb7d3a1c8393f0cc47a
- GWN7811(P) / 7812P / 7813(P) Firmware file name: gwn781xfw.bin
MD5 checksum: 8d5a82271253b975683fca88af7229a2
- GWN7816(P) Firmware file name: gwn7816fw.bin
MD5 checksum: 66171bd1ae7a9bb7d3a1c8393f0cc47a
- GWN7821P Firmware file name: gwn7821fw.bin
MD5 checksum: 8d5a82271253b975683fca88af7229a2
- GWN7822P Firmware file name: gwn7822fw.bin
MD5 checksum: 8d5a82271253b975683fca88af7229a2
- GWN7830 Firmware file name: gwn7830fw.bin
MD5 checksum: 8d5a82271253b975683fca88af7229a2
- GWN7831 Firmware file name: gwn7831fw.bin
MD5 checksum: 8d5a82271253b975683fca88af7229a2
- GWN7832 Firmware file name: gwn7832fw.bin
MD5 checksum: 66171bd1ae7a9bb7d3a1c8393f0cc47a

CHANGES/ENHANCEMENT

- Added support to login the device via GDMS without password.
- Fixed internal bugs.

FIRMWARE VERSION 1.0.15.135

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)
GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P)
GWN7821P, GWN7822P
GWN7830, GWN7831, GWN7832

DATE

12/29/2025

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: 173b0c9d7470388a32ec4c2c1e6b71a1
- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: 5132b15d4c6e2145e7ef77f5598651a1
- GWN7811(P) / 7812P / 7813(P) Firmware file name: gwn781xfw.bin
MD5 checksum: bd2b8520d00da4941c02d6b99e43467b
- GWN7816(P) Firmware file name: gwn7816fw.bin
MD5 checksum: 5132b15d4c6e2145e7ef77f5598651a1
- GWN7821P Firmware file name: gwn7821fw.bin
MD5 checksum: bd2b8520d00da4941c02d6b99e43467b
- GWN7822P Firmware file name: gwn7822fw.bin
MD5 checksum: bd2b8520d00da4941c02d6b99e43467b
- GWN7830 Firmware file name: gwn7830fw.bin
MD5 checksum: bd2b8520d00da4941c02d6b99e43467b
- GWN7831 Firmware file name: gwn7831fw.bin
MD5 checksum: bd2b8520d00da4941c02d6b99e43467b
- GWN7832 Firmware file name: gwn7832fw.bin
MD5 checksum: 5132b15d4c6e2145e7ef77f5598651a1

CHANGES/ENHANCEMENT

- Fixed issue that after the primary device reboots independently, the network connectivity to downstream devices connected via LAG ports is lost
- Switch not appearing online on GDMS after upgrade to 1.0.15.126
- Fixed internal bugs.

FIRMWARE VERSION 1.0.15.132

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)
GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P)
GWN7821P, GWN7822P
GWN7830, GWN7831, GWN7832

DATE

9/29/2025

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: bbe1781bb2003240a4c17721fd7863f0
- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: a27f8bbdad1ecfe207bbf96b5889019b
- GWN7811(P) / 7812P / 7813(P) Firmware file name: gwn781xfw.bin
MD5 checksum: 154866f7c0d238ef511c951fc6504e11
- GWN7816(P) Firmware file name: gwn7816fw.bin
MD5 checksum: a27f8bbdad1ecfe207bbf96b5889019b
- GWN7821P Firmware file name: gwn7821fw.bin
MD5 checksum: 154866f7c0d238ef511c951fc6504e11
- GWN7822P Firmware file name: gwn7822fw.bin
MD5 checksum: 154866f7c0d238ef511c951fc6504e11
- GWN7830 Firmware file name: gwn7830fw.bin
MD5 checksum: 154866f7c0d238ef511c951fc6504e11
- GWN7831 Firmware file name: gwn7831fw.bin
MD5 checksum: 154866f7c0d238ef511c951fc6504e11
- GWN7832 Firmware file name: gwn7832fw.bin
MD5 checksum: a27f8bbdad1ecfe207bbf96b5889019b

CHANGES/ENHANCEMENT

- Added support for ignoring credentials during SSH authentication.
- Added key for “encrypted” field to configuration files for Radius and TACACS+.
- Fixed issue where MAC addresses on stack slave devices were not synchronized to the CLI after restart.
- Fixed issue causing abnormal error messages during reboot or role switching in stacking environments.
- Fixed issue where entering the stacking port view displayed an error prompt.
- Fixed internal bugs.

FIRMWARE VERSION 1.0.15.126

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)
GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P)
GWN7821P, GWN7822P
GWN7830, GWN7831, GWN7832

DATE

6/30/2025

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: f84421315919f78abc2db904db18f2e4
- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: f9030fbd081525c6e508abb79a1a1b4d
- GWN7811(P) / 7812P / 7813(P) Firmware file name: gwn781xfw.bin
MD5 checksum: b7bdd755b678377e197a9556692bd2e2
- GWN7816(P) Firmware file name: gwn7816fw.bin
MD5 checksum: f9030fbd081525c6e508abb79a1a1b4d
- GWN7821P Firmware file name: gwn7821fw.bin
MD5 checksum: b7bdd755b678377e197a9556692bd2e2
- GWN7822P Firmware file name: gwn7822fw.bin
MD5 checksum: b7bdd755b678377e197a9556692bd2e2
- GWN7830 Firmware file name: gwn7830fw.bin
MD5 checksum: b7bdd755b678377e197a9556692bd2e2
- GWN7831 Firmware file name: gwn7831fw.bin
MD5 checksum: b7bdd755b678377e197a9556692bd2e2
- GWN7832 Firmware file name: gwn7832fw.bin
MD5 checksum: f9030fbd081525c6e508abb79a1a1b4d

CHANGES/ENHANCEMENT

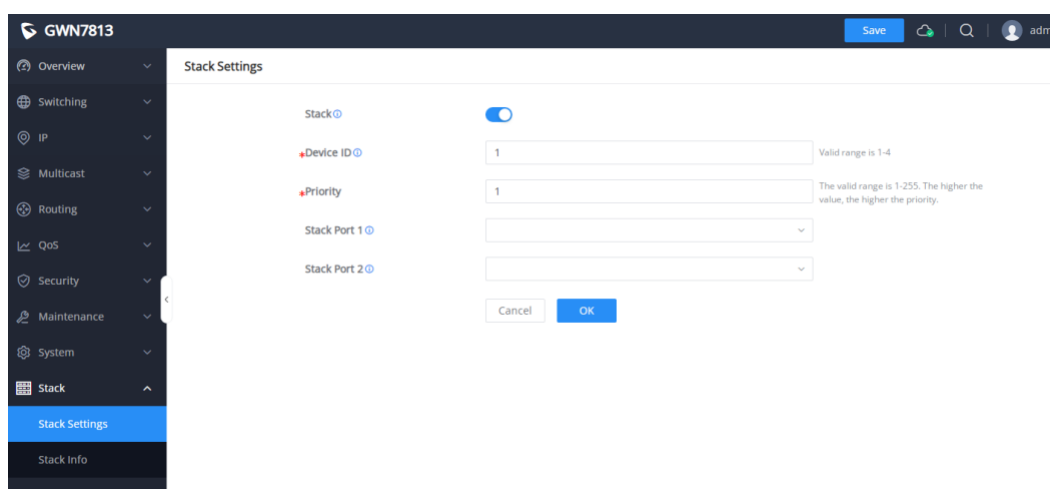
- Added support for switch stacking feature for GWN7806(P), GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P), GWN7821P, GWN7822P, GWN7830, GWN7831, GWN7832.
- Added the Ability to disable the native VLAN.
- Added support for PVLAN for models of GWN7806(P), GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P), GWN7821P, GWN7822P, GWN7830, GWN7831, GWN7832.
- Added the option to set the Web GUI language on the configuration.

- Added support to use encrypted strings in password fields in CLI.
- Added support for "Calling-Station-Id" in RADIUS Access-Request
- Optimized CPU utilization.
- Fixed issue that SNMP missed support for FDB and VLAN MIBs (BRIDGE-MIB / Q-BRIDGE-MIB).
- Fixed issue that firmware upgrade fails due to HW Model mismatch error.
- Fixed issue that IP Source Guard not working as expected on GWN78xx.
- Fixed issue that New Zealand daylight saving cannot be configured due to start time cannot after end time.
- Fixed issue that IGMP Snooping might cause Multicast flooding.
- Fixed issue that fans running non-stop even at low temperature.
- Fixed issue that GWN7803P lost 192.168.0.1 gateway after reboot.
- Improved the accuracy of upload current rate value.
- Fixed internal bugs.

NEW FEATURE OVERVIEW

- **Stacking Feature**

This feature can be enabled on Web UI Stack page. Please go to Grandstream Documentation Center check the GWN78xx Stacking Feature User Guide for more details.



Note: After the configuration is completed through the CLI or Web GUI, you need to save it first, then restart the device. The device ID and port number will take effect after the restart is completed.

FIRMWARE VERSION 1.0.13.18

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)
GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P)
GWN7821P, GWN7822P
GWN7830, GWN7831, GWN7832

DATE

4/28/2025

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: ef2b2dd39f1bb75d7c57c1df54cc00e3
- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: 4ea66f5f50051cedc9372eff9926d6bc
- GWN7811(P) / 7812P / 7813(P) Firmware file name: gwn781xfw.bin
MD5 checksum: e6479bb368f02e100ced79f3d630f8b5
- GWN7816(P) Firmware file name: gwn7816fw.bin
MD5 checksum: 4ea66f5f50051cedc9372eff9926d6bc
- GWN7821P Firmware file name: gwn7821fw.bin
MD5 checksum: e6479bb368f02e100ced79f3d630f8b5
- GWN7822P Firmware file name: gwn7822fw.bin
MD5 checksum: e6479bb368f02e100ced79f3d630f8b5
- GWN7830 Firmware file name: gwn7830fw.bin
MD5 checksum: e6479bb368f02e100ced79f3d630f8b5
- GWN7831 Firmware file name: gwn7831fw.bin
MD5 checksum: e6479bb368f02e100ced79f3d630f8b5
- GWN7832 Firmware file name: gwn7832fw.bin
MD5 checksum: 4ea66f5f50051cedc9372eff9926d6bc

CHANGES/ENHANCEMENT

- Optimized GWN783x CPU utilization.
- Fixed issue IGMP Snooping might cause Multicast Flooding.
- Fixed issue that the fan keeps running non-stop even the device is at low temperature.
- Fixed compatibility issue with GDMS that the Cloud configures 2.5G but local speed is Auto.
- Fixed compatibility issue with GDMS that the 2.5G port on GDMS is displayed in yellow-green instead of light blue.

[11/20/2024] FIRMWARE VERSION 1.0.13.6

PRODUCT NAME

GWN7821P, GWN7822P

DATE

11/20/2024

FIRMWARE FILE INFORMATION

- GWN7821P Firmware file name: gwn7821fw.bin
MD5 checksum: c2fdc4d77dbeb700b617c7bce8dd406a
- GWN7822P Firmware file name: gwn7822fw.bin
MD5 checksum: c2fdc4d77dbeb700b617c7bce8dd406a

This is the initial firmware version for GWN7821P/7822P.

FIRMWARE VERSION 1.0.13.6

PRODUCT NAME

GWN7801(P), GWN7802(P), GWN7803(P), GWN7806(P)
GWN7811(P), GWN7812P, GWN7813(P), GWN7816(P)
GWN7830, GWN7831, GWN7832

DATE

10/21/2024

FIRMWARE FILE INFORMATION

- GWN7801(P) / 7802(P) / 7803(P) Firmware file name: gwn780xfw.bin
MD5 checksum: 3076343d9809e252a19f937ccfe5cf31
- GWN7806(P) Firmware file name: gwn7806fw.bin
MD5 checksum: 0ddf14f3a340ed78609b4db6a784e465
- GWN7811(P) / 7812P / 7813(P) Firmware file name: gwn781xfw.bin
MD5 checksum: c2fdc4d77dbeb700b617c7bce8dd406a
- GWN7816(P) Firmware file name: gwn7816fw.bin
MD5 checksum: 0ddf14f3a340ed78609b4db6a784e465
- GWN7830 Firmware file name: gwn7830fw.bin
MD5 checksum: c2fdc4d77dbeb700b617c7bce8dd406a
- GWN7831 Firmware file name: gwn7831fw.bin
MD5 checksum: c2fdc4d77dbeb700b617c7bce8dd406a
- GWN7832 Firmware file name: gwn7832fw.bin
MD5 checksum: 0ddf14f3a340ed78609b4db6a784e465

CHANGES/ENHANCEMENT

- Added support for GWN7821P and GWN7822P model.
- Added support for BGP & Route Policy on L3 Switch.
- Added support for MVR(CLI).
- Added LED status change during the start-up process
- Removed PTP settings from Web UI.
- Optimized IPv6 OSPFv3 CLI command.
- Optimized GWN780x CPU usage.
- Fixed from GWN Cloud login the Web UI fails when HTTPS login authentication method is TACACS+.
- Fixed issue that unable to import configuration files from older versions.
- Fixed issue that user can still add a method successfully when the AAA name already exists.
- Fixed the IP Address will be set to 0.0.0.0 when enable Querier via GWN Cloud.

- Fixed Profile import fails after changing the profile name.

NEW FEATURE OVERVIEW

BGP

Only L3 switches are supported.

BGP is a border gateway protocol that is used to transfer routing information between different AS. It provides following function:

Path selection: Determine the best route by comparing the path attributes of different destinations.

Routing Policies: Select specific segments by defining routing policies.

Aggregation: By aggregating multiple route declarations, the number of routing information is reduced, the routing table is simplified, and the processing load is reduced.

Loop avoidance: Path vectors are used to prevent routing loops. Each BGP router knows the best path to each destination and uses this information to avoid loops.

Security maintenance: MD5 authentication is used to protect routing information from unauthorized access or tampering.

BGP

Global Settings Peer Settings Address Family Settings Neighbor Info BGP Route Info Database Info

BGP ☒

AS ID 1111 Valid range is 1-4294967295

Router ID 0.0.0.0 IPv4 format

Local Preference 100 Valid range is 0-65535

Compare Router IDs ☐

Route Dampening ☐

AS_Path Attributes

Ignore AS Path Attribute ☐

Check First AS ☐

Cancel OK

BGP

Global Settings Peer Settings Address Family Settings Neighbor Info BGP Route Info Database Info

IPv4 Peer IPv6 Peer

Add Delete

Q IPv4 Address/AS ID

IPv4 Address	AS ID	Interface	Description	EBGP Maximum Hop	GTSM Hops	Message Suppression	Shutdown Session	Update Packet Timer (s)	Operation
1.1.1.1	22	...	...	1	...	Disabled	Disabled	...	

Total 1 < 1 > 10 / page

[IPv4 Peer](#) > **Edit IPv4 Peer**

IPv4 Address	1.1.1.1	
AS ID	22	
Interface		
Description		0-64 characters, including numbers, letters and special characters except "\/!., and spaces
TTL Related	☒ EBGP Maximum Hop ☐ GTSM Hops	
EBGP Maximum Hop	1	Valid range is 1-255
Message Suppression	☐	
Shutdown Session	☐	
Update Packet Timer (s)		Valid range is 0-600. 0 indicates disabled.
MD5	☐	
Timer Settings		
Keepalive Interval (s)	60	Valid range is 1-21845
Hold Interval (s)	180	Valid range is 3-65535
Connect Retry Interval (s)	120	Valid range is 1-65535
	Cancel	OK

BGP
[Global Settings](#) [Peer Settings](#) **[Address Family Settings](#)** [Neighbor Info](#) [BGP Route Info](#) [Database Info](#)
IPv4 Unicast Routing IPv6 Unicast Routing

Peer Address	Enable	Advertise All Paths	Advertise Best Path Per AS	Receive the Same AS Path as Itself	Advertise Default Path	Set Nexthop as Local Address	Delete AS	Operation
1.1.1.1	Enabled	Disabled	Disabled	Off	Disabled	Disabled	Off	

Total 1 10 / page

BGP
[Global Settings](#) [Peer Settings](#) [Address Family Settings](#) **[Neighbor Info](#)** [BGP Route Info](#) [Database Info](#)
IPv4 Neighbor info IPv6 Neighbor Info

Neighbor IP	BGP Version	AS ID	Received Messages	Sent Messages	Messages to be sent	Received Prefixes	Current Status Duration	Status	Operation
1.1.1.1	4	22	0	0	0	0	never	Active	

Total 1 10 / page

BGP

Global Settings Peer Settings Address Family Settings Neighbor Info BGP Route Info Database Info

IPv4 BGP Route Info IPv6 BGP Route Info

Refresh

No BGP prefixes displayed, 0 exist

BGP

Global Settings Peer Settings Address Family Settings Neighbor Info BGP Route Info Database Info

Type

dampening-parameters

Query

Database Info

Half-life time: 15 min
 Reuse penalty: 750
 Suppress penalty: 2000
 Max suppress time: 60 min
 Max suppress penalty: 12000

- **Routing policy**

Only supported by L3 switches and effective only when used with BGP, other dynamic routing protocols are currently not supported.

Route policies control route advertisement and reception, as well as manage route import and attribute settings by altering route attributes.

The steps for implementing a route policy are: (1) First, define the characteristics of the route

information to which the policy will be applied, i.e., define a set of matching rules. Various matching rules can be flexibly defined using filters; (2) Then, apply the matching rules to the route policy for processes such as route advertisement, reception, and import.

Supported route policy filters include Access Lists and prefix lists.

Route Policy

Based on IPv4 Access List Based on IPv6 Access List Based on IPv4 Prefix List Based on IPv6 Prefix List

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

☐	Name	Match Pattern	IPv4 Address / Mask Length	Operation
☐	test	Allow	192.168.10.0/24	Edit Delete

Total 1 < 1 > 10 / page ▾

Route Policy

Based on IPv4 Access List Based on IPv6 Access List Based on IPv4 Prefix List Based on IPv6 Prefix List

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

☐	Name	Rule Number	Operation
☐	see	2	Delete

Total 1 < 1 > 10 / page ▾

Based on IPv4 Prefix List > [see Rule Details](#)

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

☐	Rule ID	Match Pattern	Address Prefix	Operation
☐	1	Allow	192.168.122.0/24	Edit Delete
☐	2	Allow	192.168.124.0/24	Edit Delete

Total 2 < 1 > 10 / page ▾

- **MVR [CLI only]**

The multicast VLAN registration function is used to optimize the transmission efficiency of multicast streams across different VLANs, reducing unnecessary traffic duplication and flooding, and effectively improving network performance.

```
GWN7813(config)# mvr
<cr>
group      MVR group address configuration
mode       MVR mode configuration
query-time MVR Query Response Time
vlan       MVR VLAN ID configuration
```