

# **GWN70xx Wireless Router Firmware Release Notes**

## **IMPORTANT UPGRADING NOTE**

1. **Warning:**

Downgrading from firmware 1.0.9.x or higher version to 1.0.7.x or lower version will cause device to perform factory reset automatically. All device configurations will be reset to factory default settings after downgrading.

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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 1.0.9.37**

### **PRODUCT NAME**

GWN7062 / GWN7052 / GWN7052F

### **DATE**

4/1/2024

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: ef6754baaedef7c4eb66ecf3abacee2d
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 3eaed1619354f3c61f22bb8faf71ee1
- GWN7052F Firmware file name: gwn7052ffw.bin  
MD5 checksum: 93f94571e4a5bdd076efb8acf289de40

### **CHANGES/ENHANCEMENT**

- Internal bug fixes

## FIRMWARE VERSION 1.0.9.34

### PRODUCT NAME

GWN7062 / GWN7052 / GWN7052F

### DATE

1/12/2024

### FIRMWARE FILE INFORMATION

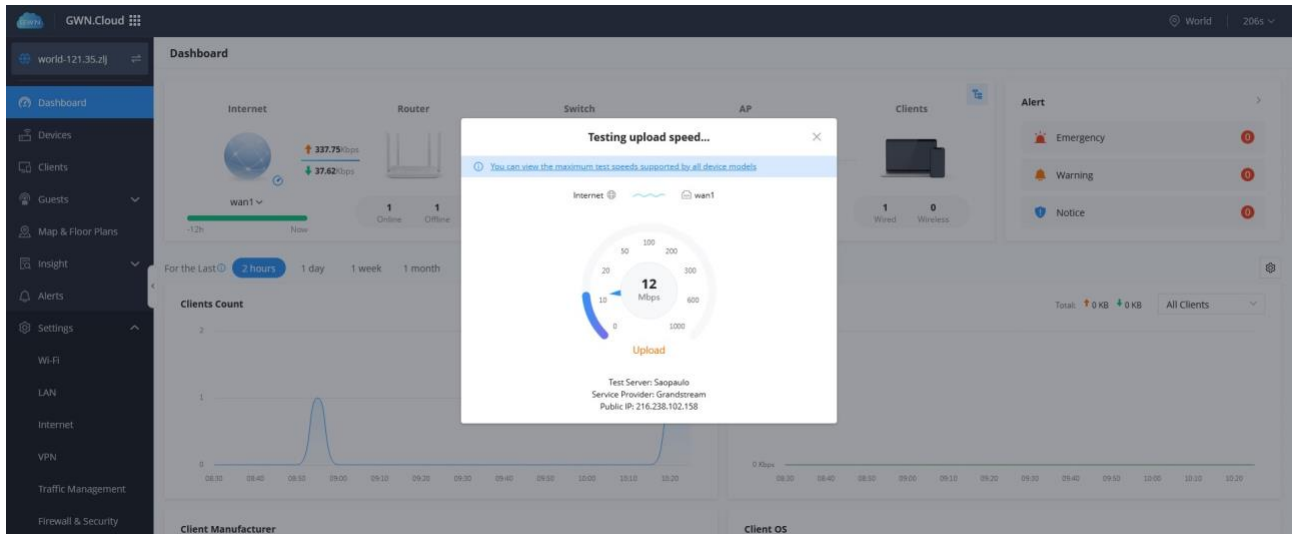
- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 585ee63c4a921c8663c7fa381c5f745a
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 408aec3afbcee3a6591ef75996470da8
- GWN7052F Firmware file name: gwn7052ffw.bin  
MD5 checksum: 86cab22f806374919fea40f9cc1439bc

### CHANGES/ENHANCEMENT

- Added the new feature of **Speed test**
- Added the new feature of **ISP default configuration**
- Internal bug fixes

## NEW FEATURE OVERVIEW

- **Speed test**



- **ISP default configuration**

With the provided gs configuration tool, administrators can provision an ISP default configuration to the router. After provisioning, by performing factory reset, the device will restore to the customized default configuration other than the original factory default.



## **FIRMWARE VERSION 1.0.9.15**

### **PRODUCT NAME**

GWN7062 / GWN7052 / GWN7052F

### **DATE**

12/15/2023

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 02241fb65514c394e66a103a5e5b8050
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 8dee45da1dcc7e555dba97244a47f40c
- GWN7052F Firmware file name: gwn7052ffw.bin  
MD5 checksum: e7ab0fd20ad80e31834ca67eaa1e9f68

### **CHANGES/ENHANCEMENT**

- Fixed an OpenVPN certificate issue from upgrading unit from 1.0.7.x to 1.0.9.9(10).
- Internal bug fixes.

## FIRMWARE VERSION 1.0.9.10 (1.0.9.9)

### PRODUCT NAME

GWN7062 / GWN7052 / GWN7052F

### DATE

10/23/2023

### FIRMWARE FILE INFORMATION

- GWN7062(1.0.9.10) Firmware file name: gwn7062fw.bin  
MD5 checksum: 5e5ca5e7542851b291e6c9e6ae0712ba
- GWN7052(1.0.9.10) Firmware file name: gwn7052fw.bin  
MD5 checksum: 1bc8dbef492c0587988a034f407dd268
- GWN7052F(1.0.9.9) Firmware file name: gwn7052ffw.bin  
MD5 checksum: 227d4a06871a2c3be417eb228f973f8a

### CHANGES/ENHANCEMENT

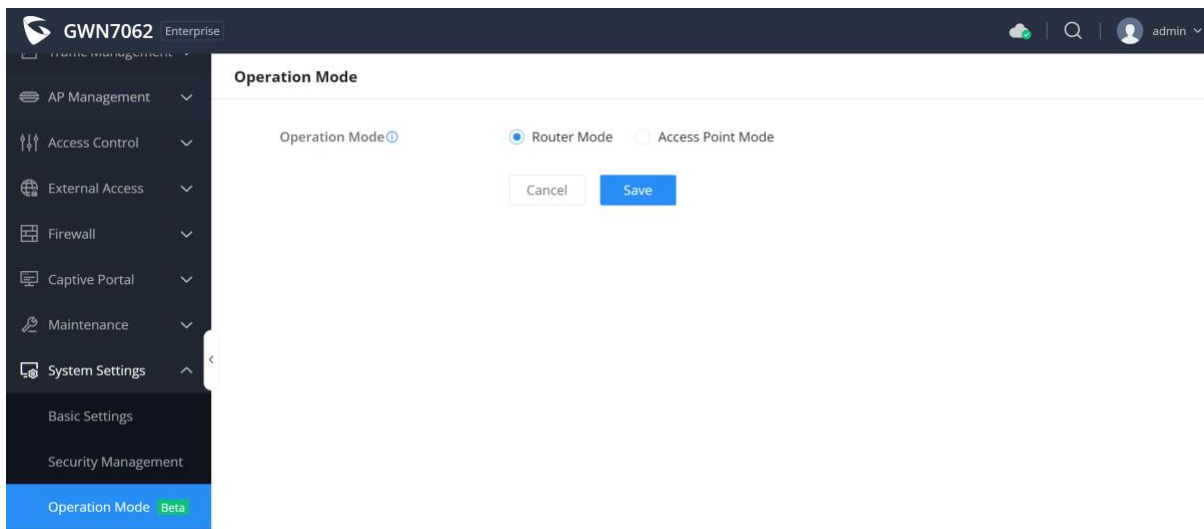
- Changed to new GWN router UI
- Added new feature of **AP Mode**
- Added new feature of **DoS Defense**
- Added new feature of **Spoofing Defense**
- Added new feature of **IGMP**
- Added new feature of Policy Routing: **ICMP** and **Schedule**
- Added new feature of **HostName** access
- Added new feature of **USB: 4G Dongle**(GWN7062 only)
- Added new feature of DHCP Option Optimization & **Option 43 Service List**
- Added new feature of **Alert**
- Added new feature of **Triple Play**

- Added new feature of **Bandwidth Limit**
- Added new feature of **Vouchers**
- Added new feature of **WireGuard®**
- Added new feature of **mDNS Bonjour**
- Added new feature of **Static IP binding by client ID**
- Added new feature of **TR069**
- Added new feature of **PPSK**
- Added support of 2.4G & 5G custom channel
- Added support of discovering APs across VLANs
- Added support of GWN Menu
- Added support of more Cloud Features: Portal, VPN, Policy Routing, Modifying web Password, Certification management, WAN Health, WAN VLAN Priority, Event: Client Authentication Information, Global Blacklist
- Optimized feature as enabling CH12 and CH13 in the 2.4G band for New Zealand

## NEW FEATURE OVERVIEW

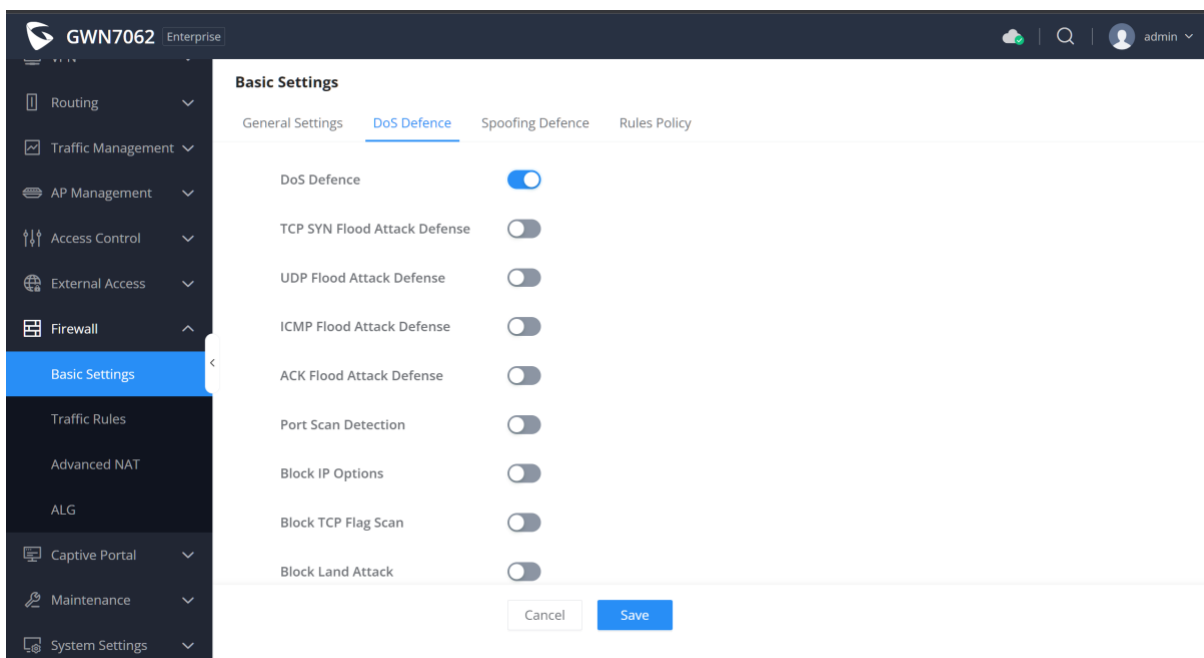
- **AP Mode**

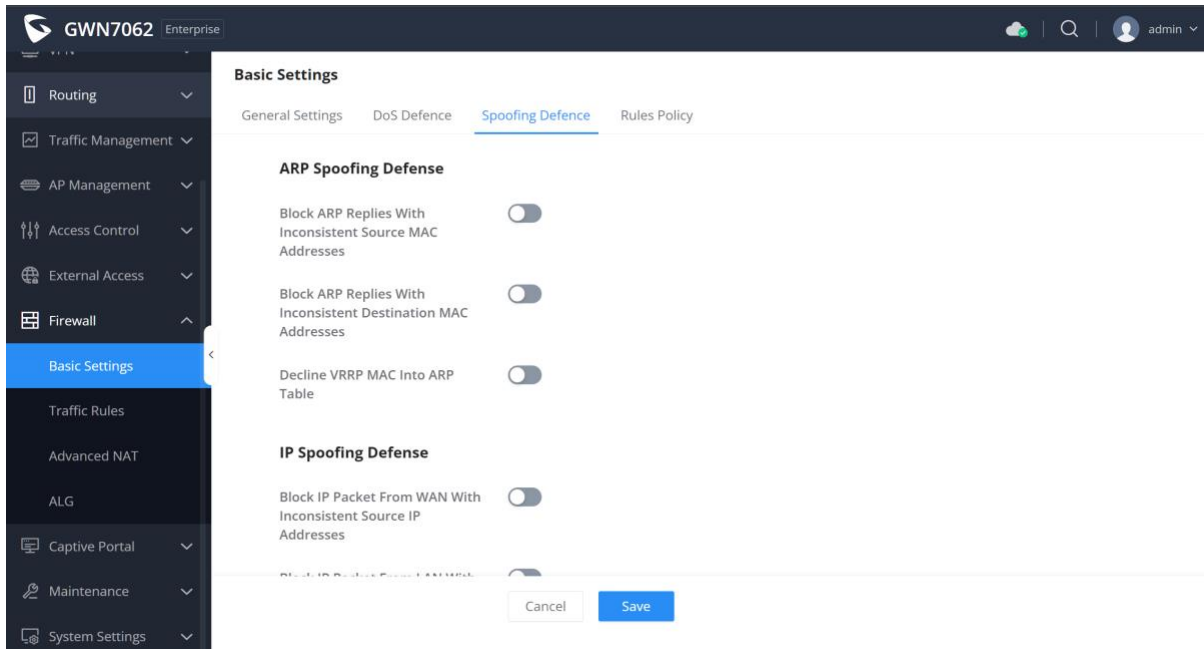
Now GWN wireless router can change its Operation Mode between **Router** vs **Access Point**. The default is Router mode. Access Point mode will allow router to become a MESH RE-AP, in order to form MESH with other GWN CAP or wireless router.



- **Firewall - DoS Defense & Spoofing Defense**

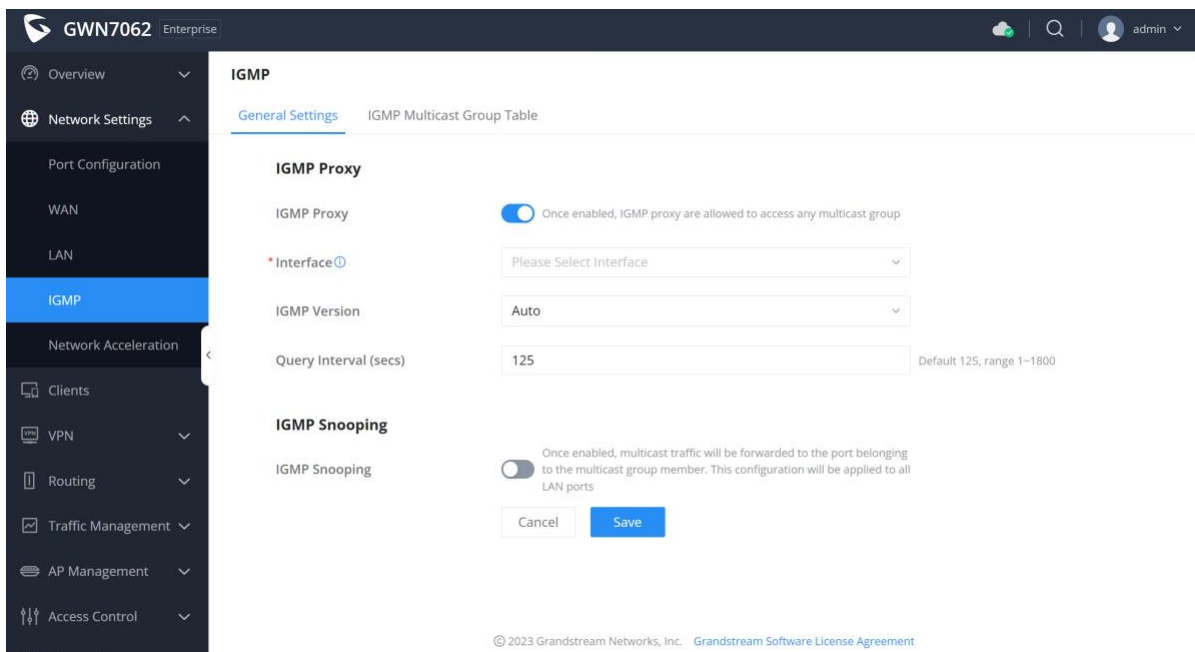
Added more firewall defense features





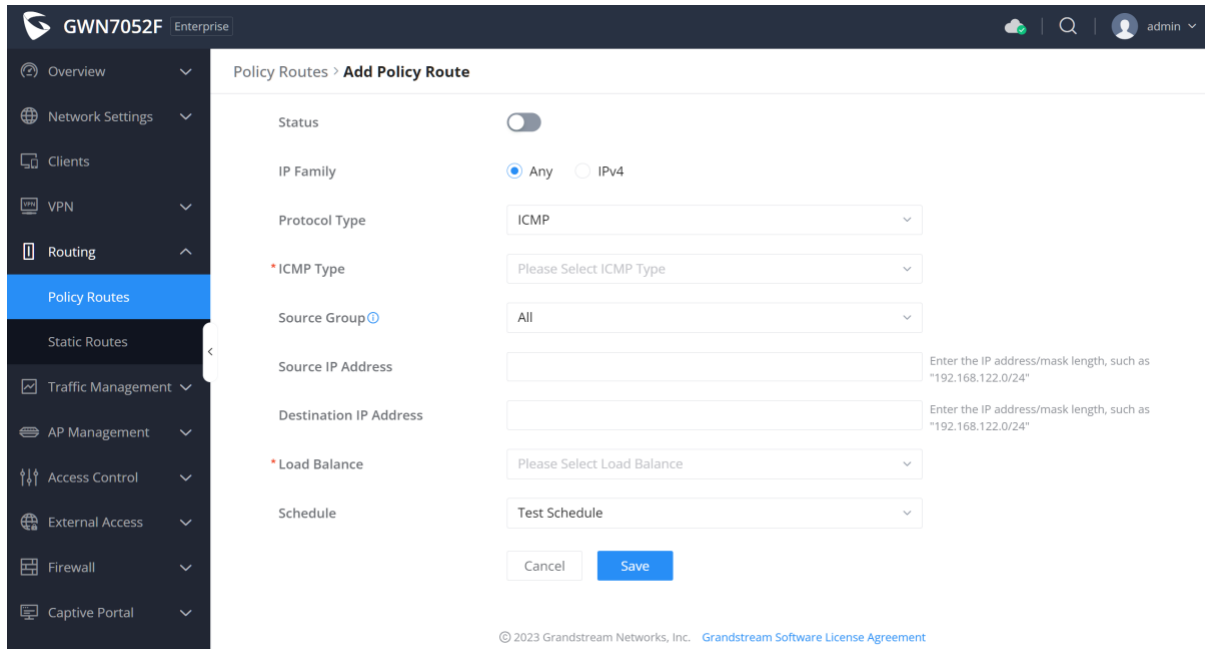
- **IGMP**

Support IGMP proxy and IGMP snooping settings.



- **Policy Routing: ICMP & Schedule**

Added **ICMP** to protocol type and added **Schedule** to manage policy route.



**GWN7052F Enterprise** | admin

Policy Routes > Add Policy Route

Status: ☐

IP Family: ☒ Any ☐ IPv4

Protocol Type: ICMP

\* ICMP Type: Please Select ICMP Type

Source Group: All

Source IP Address:  Enter the IP address/mask length, such as "192.168.122.0/24"

Destination IP Address:  Enter the IP address/mask length, such as "192.168.122.0/24"

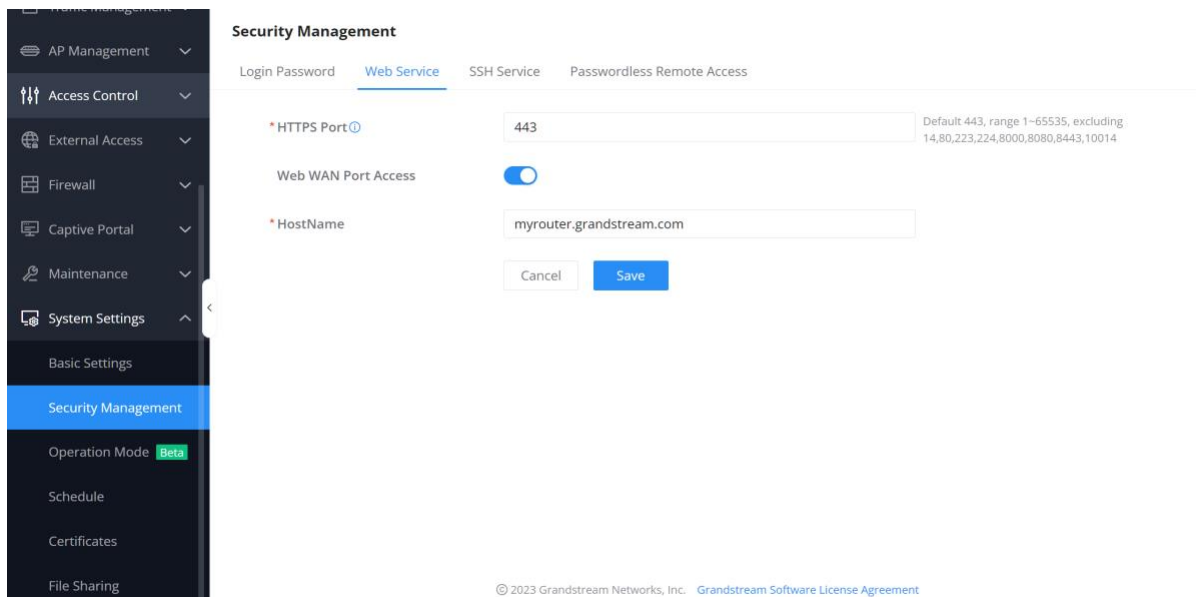
\* Load Balance: Please Select Load Balance

Schedule: Test Schedule

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- **HostName Access**

This will allow local users to use configured hostname to access router web portal.



**Security Management**

Login Password | **Web Service** | SSH Service | Passwordless Remote Access

\* HTTPS Port: 443 Default 443, range 1-65535, excluding 14,80,223,224,8000,8080,8443,10014

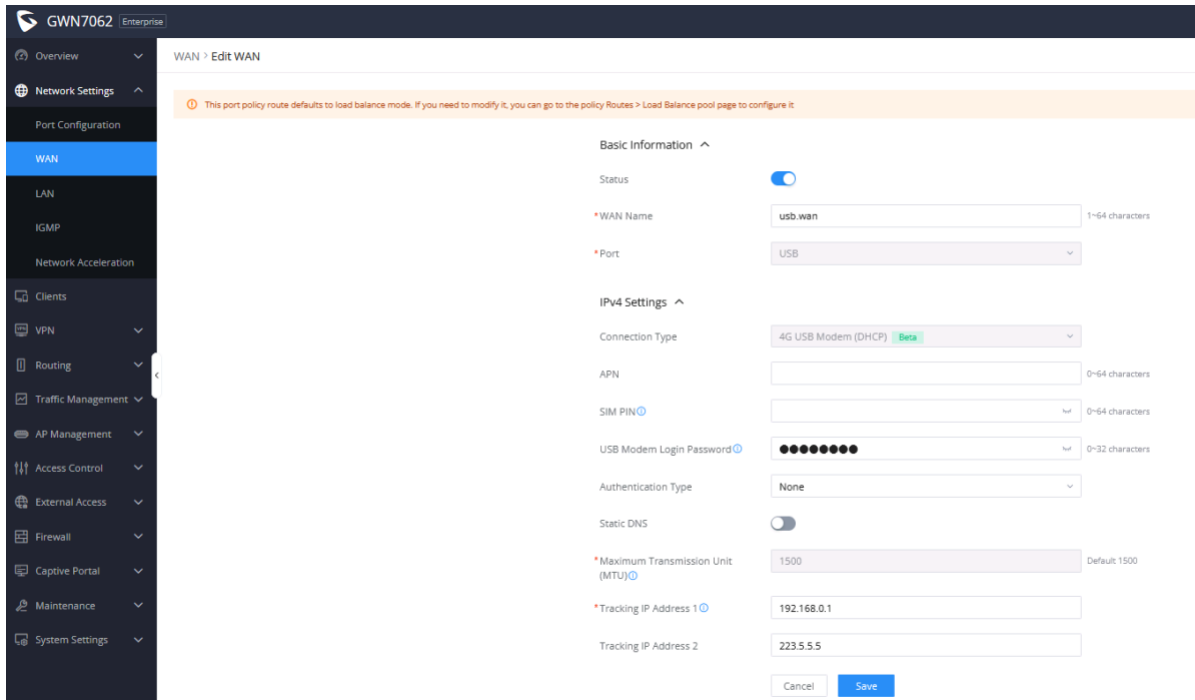
Web WAN Port Access: ☒

\* HostName: myrouter.grandstream.com

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- **USB: 4G Dongle**

After insert 4G USB dongle, user will be able to see the 4G USB modem option as below:



**GWN7062 Enterprise** | WAN > Edit WAN

*This policy route defaults to load balance mode. If you need to modify it, you can go to the policy Routes > Load Balance pool page to configure it*

### Basic Information

Status: ☒

\*WAN Name:  (1~64 characters)

\*Port:

### IPv4 Settings

Connection Type:  Beta

APN:  (0~64 characters)

SIM PIN:  (0~64 characters)

USB Modem Login Password:  (0~32 characters)

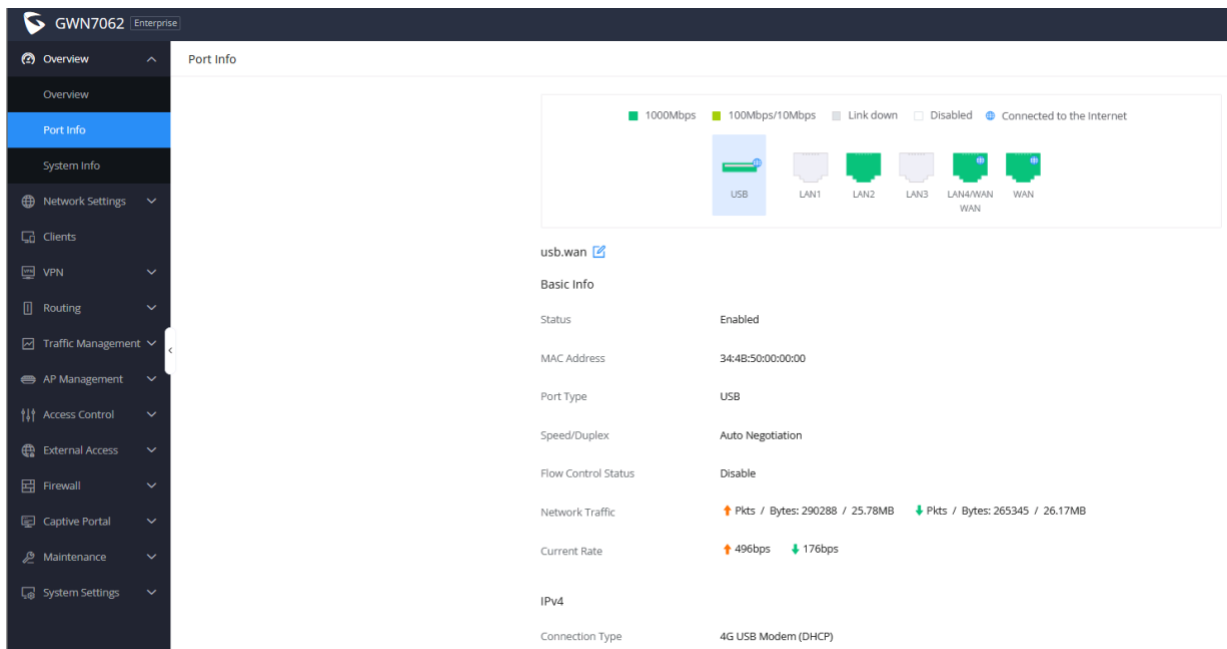
Authentication Type:

Static DNS: ☐

\*Maximum Transmission Unit (MTU):  (Default: 1500)

\*Tracking IP Address 1:

Tracking IP Address 2:



**GWN7062 Enterprise** | Port Info

Legend: 1000Mbps (Green), 100Mbps/10Mbps (Yellow), Link down (Grey), Disabled (White), Connected to the Internet (Blue)

USB LAN1 LAN2 LAN3 LAN4/WAN WAN

**usb.wan** [✎](#)

### Basic Info

Status: Enabled

MAC Address: 34:4B:50:00:00:00

Port Type: USB

Speed/Duplex: Auto Negotiation

Flow Control Status: Disable

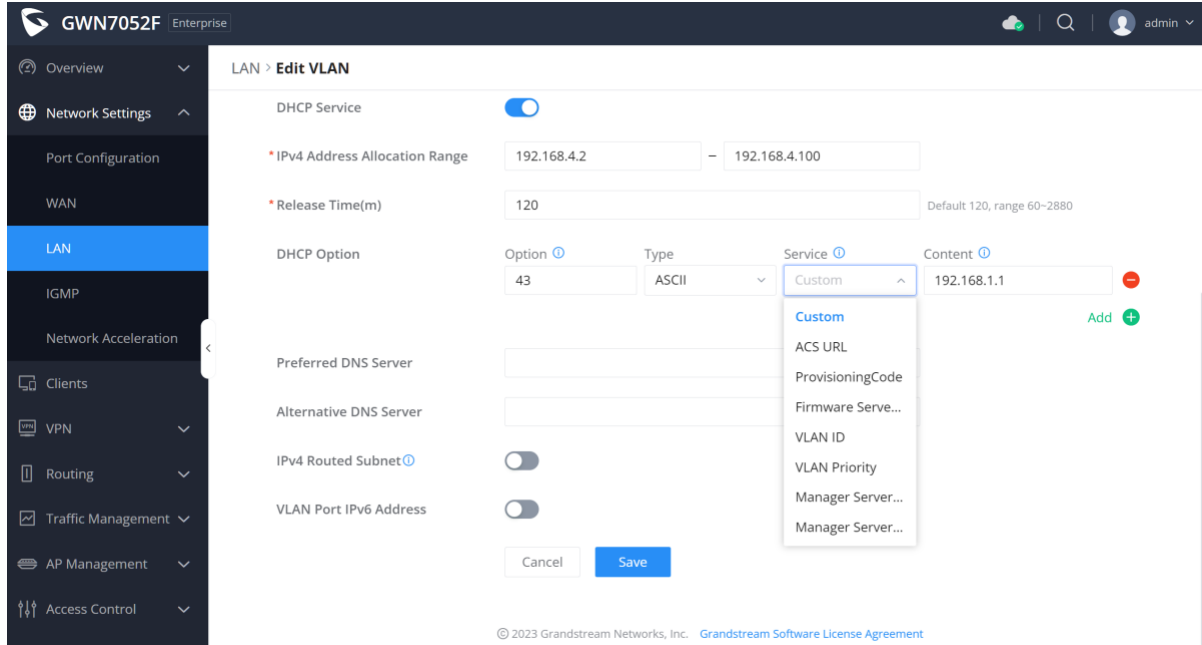
Network Traffic: ↑ Pkts / Bytes: 290288 / 25.78MB ↓ Pkts / Bytes: 265345 / 26.17MB

Current Rate: ↑ 496bps ↓ 176bps

### IPv4

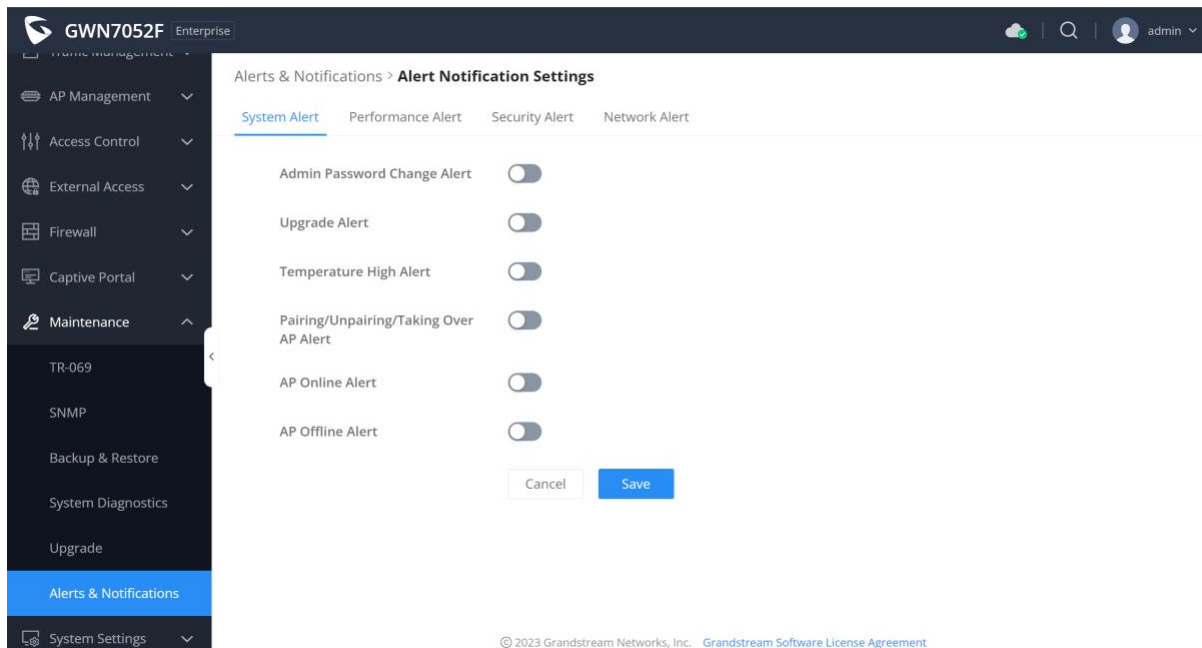
Connection Type: 4G USB Modem (DHCP)

- **DHCP Option Optimization & Option 43 Service List**



The screenshot shows the 'LAN > Edit VLAN' configuration page. The 'DHCP Service' is enabled. The 'IPv4 Address Allocation Range' is set to 192.168.4.2 - 192.168.4.100. The 'Release Time(m)' is 120. A table for 'DHCP Option' is visible with one entry: Option 43, Type ASCII, Service Custom, and Content 192.168.1.1. A dropdown menu for 'Service' is open, showing options: Custom, ACS URL, ProvisioningCode, Firmware Serve..., VLAN ID, VLAN Priority, Manager Server..., and Manager Server... The 'Add' button is green. The footer shows '© 2023 Grandstream Networks, Inc. Grandstream Software License Agreement'.

- **Alert**



The screenshot shows the 'Alerts & Notifications > Alert Notification Settings' page. The 'System Alert' tab is selected. The settings are as follows:

Alert Type	Status
Admin Password Change Alert	Off
Upgrade Alert	Off
Temperature High Alert	Off
Pairing/Unpairing/Taking Over AP Alert	Off
AP Online Alert	Off
AP Offline Alert	Off

The 'Cancel' and 'Save' buttons are at the bottom. The footer shows '© 2023 Grandstream Networks, Inc. Grandstream Software License Agreement'.



- **Triple Play**

Configuration is available at Network Settings → WAN → Edit WAN

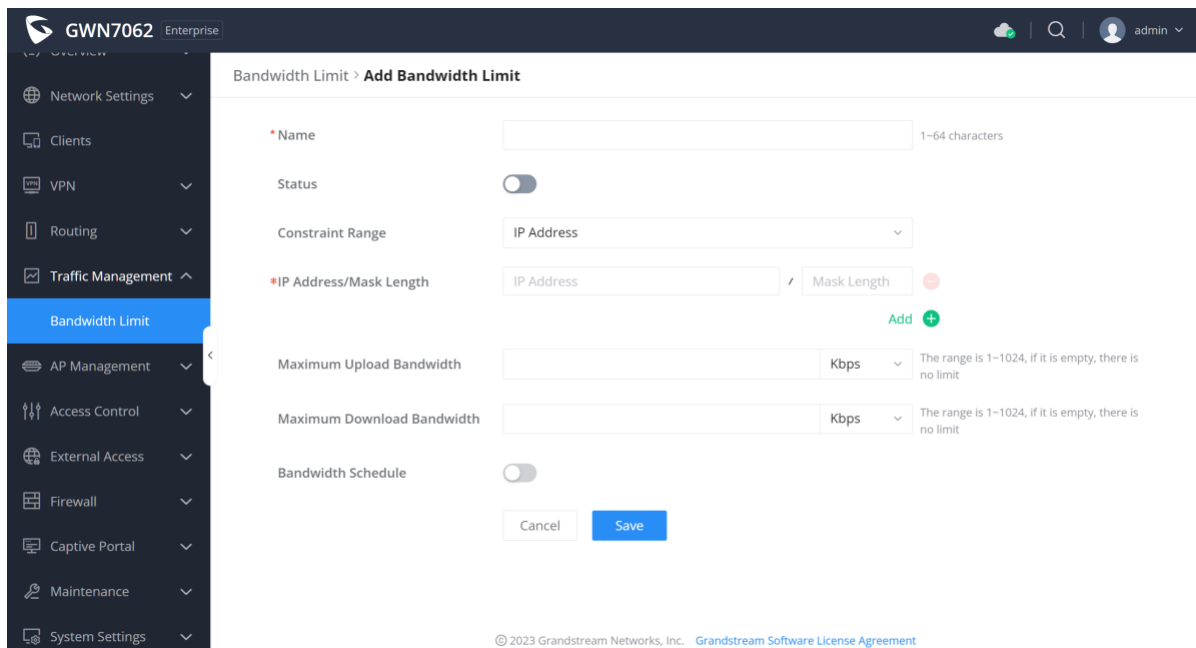
Bridge Mode ☒

\*VLAN Tag ID/Port/Priority ⓘ

VLAN Tag ID	Port ⓘ	Priority ⓘ	
<input type="text" value="Enter VLAN Tag ID"/>	<input type="text" value="Choose Port"/>	<input type="text" value="0"/>	<span>+</span> <span>−</span>

Add +

- **Bandwidth Limit**



**GWN7062 Enterprise** | admin

**Bandwidth Limit > Add Bandwidth Limit**

\*Name  1-64 characters

Status ☒

Constraint Range

\*IP Address/Mask Length  /  +

Maximum Upload Bandwidth  Kbps The range is 1-1024, if it is empty, there is no limit

Maximum Download Bandwidth  Kbps The range is 1-1024, if it is empty, there is no limit

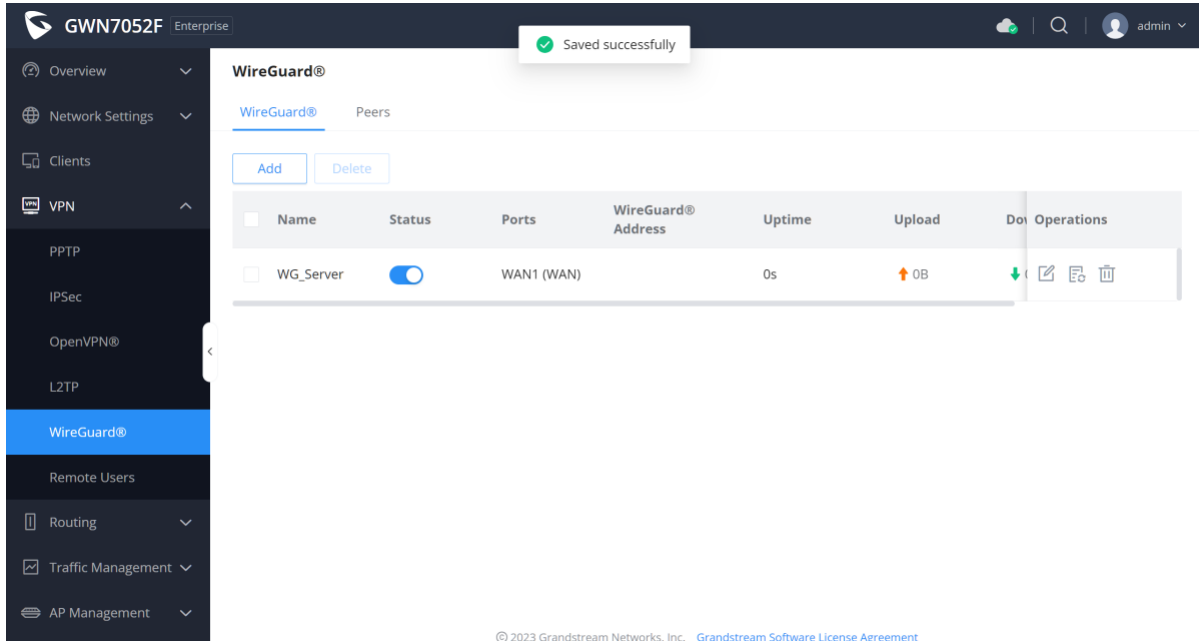
Bandwidth Schedule ☐

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- **Vouchers**

Configuration is available at Captive Portal → Vouchers

- **WireGuard®**



**WireGuard®**

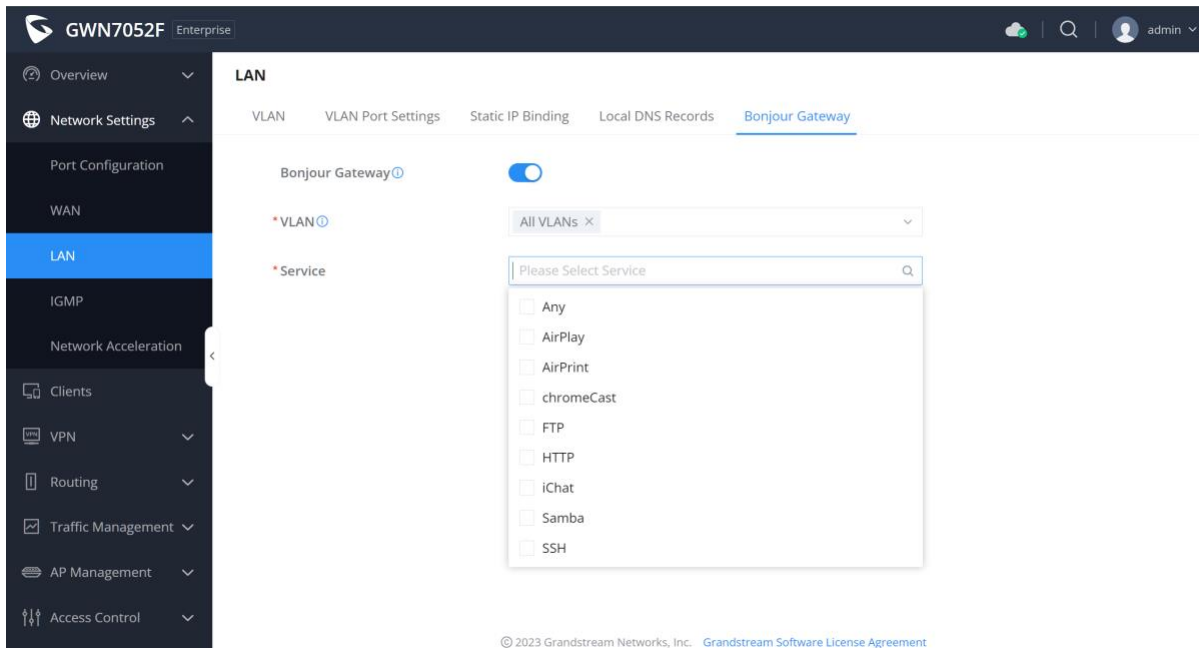
WireGuard® Peers

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

<input type="checkbox"/>	Name	Status	Ports	WireGuard® Address	Uptime	Upload	Download	Operations
<input type="checkbox"/>	WG_Server	<span style="color: blue;">On</span>	WAN1 (WAN)		0s	0B	0B	<a href="#">Edit</a> <a href="#">Delete</a>

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- **mDNS Bonjour**



**LAN**

VLAN VLAN Port Settings Static IP Binding Local DNS Records Bonjour Gateway

Bonjour Gateway On

\* VLAN All VLANs

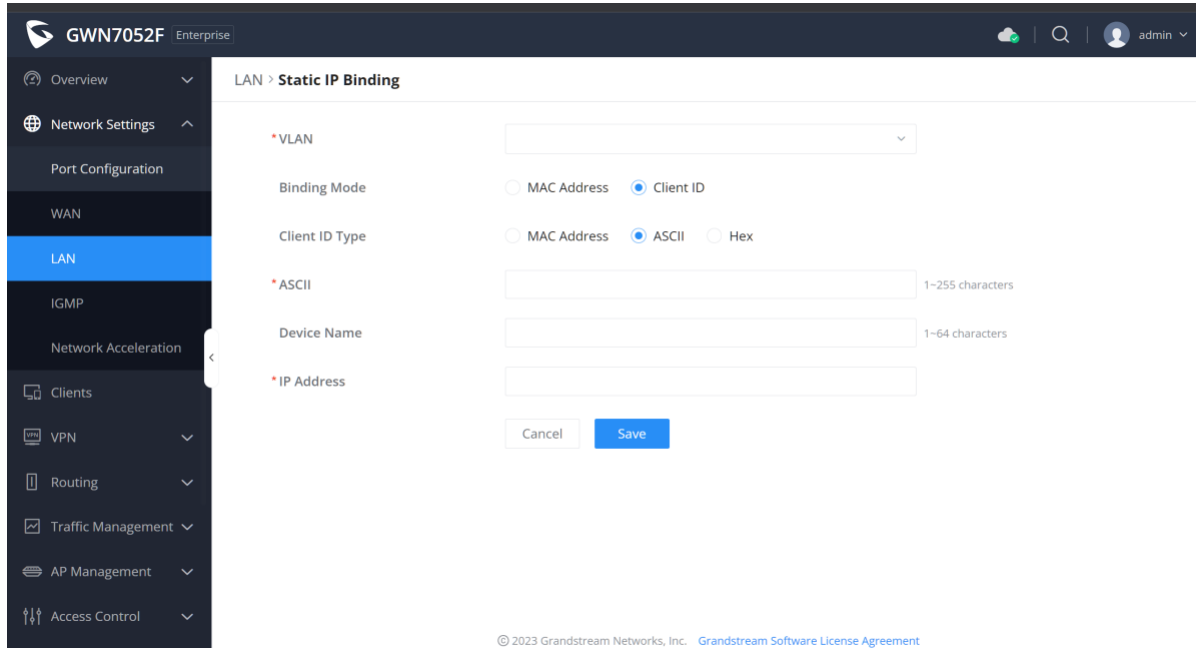
\* Service

Please Select Service

- ☐ Any
- ☐ AirPlay
- ☐ AirPrint
- ☐ chromeCast
- ☐ FTP
- ☐ HTTP
- ☐ iChat
- ☐ Samba
- ☐ SSH

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- **Static IP binding by client ID**



The screenshot shows the 'LAN > Static IP Binding' configuration page. The left sidebar contains a menu with options: Overview, Network Settings, Port Configuration, WAN, LAN (selected), IGMP, Network Acceleration, Clients, VPN, Routing, Traffic Management, AP Management, and Access Control. The main content area has the following fields:

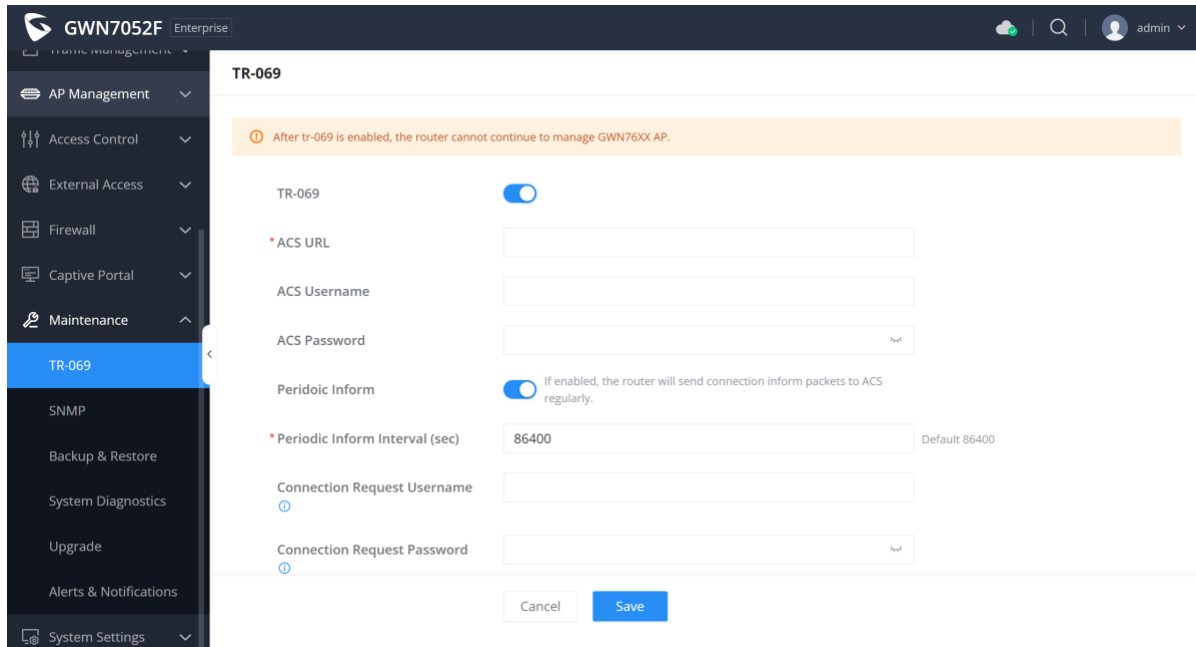
- VLAN:** A dropdown menu.
- Binding Mode:** Radio buttons for ☐ MAC Address and ☒ Client ID.
- Client ID Type:** Radio buttons for ☐ MAC Address, ☒ ASCII, and ☐ Hex.
- ASCII:** A text input field with a character count of 1-255.
- Device Name:** A text input field with a character count of 1-64.
- IP Address:** A text input field.

At the bottom of the form are 'Cancel' and 'Save' buttons. A footer note reads: © 2023 Grandstream Networks, Inc. Grandstream Software License Agreement.

- **PPSK**

Configuration is available at AP Management → PPSK

- **TR069**



The screenshot shows the 'TR-069' configuration page. The left sidebar menu is expanded to 'AP Management', which includes sub-items: AP Management, Access Control, External Access, Firewall, Captive Portal, Maintenance, TR-069 (selected), SNMP, Backup & Restore, System Diagnostics, Upgrade, Alerts & Notifications, and System Settings. The main content area features a warning message: 'After tr-069 is enabled, the router cannot continue to manage GWN76XX AP.' Below this, the configuration fields are:

- TR-069:** A toggle switch that is currently turned on.
- ACS URL:** A text input field.
- ACS Username:** A text input field.
- ACS Password:** A text input field with a password icon.
- Periodic Inform:** A toggle switch that is turned on, with a note: 'If enabled, the router will send connection inform packets to ACS regularly.'
- Periodic Inform Interval (sec):** A text input field with the value '86400' and a default value of 'Default: 86400'.
- Connection Request Username:** A text input field with a help icon.
- Connection Request Password:** A text input field with a password icon and a help icon.

'Cancel' and 'Save' buttons are located at the bottom of the form.

## FIRMWARE VERSION 1.0.7.2

### PRODUCT NAME

GWN7062 / GWN7052 / GWN7052F

### DATE

6/19/2023

### FIRMWARE FILE INFORMATION

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 7d9ddc8d92370c3b8db4f9e4deb3aa19
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 7a097966e45cbc70a6e4e3a215cf6c8c
- GWN7052F Firmware file name: gwn7052ffw.bin  
MD5 checksum: 310f5da6b2a808e80b46b1649dc24eec

### CHANGES/ENHANCEMENT

- Fixed an issue that causes GWN7052F 5G radio low bandwidth when acceleration is disabled.
- Fixed an issue that causes remote access from GWN.Cloud fails
- Fixed an issue that causes network loop in multiple VLAN configurations
- Fixed an issue that client speed limit does not take effect after restoring the router configuration
- Fixed an issue that DHCP option Hex format does not take effect
- Fixed an issue that DHCP option ASCII format does not take effect if configured without quote
- Fixed an issue that causes wireless client downlink real speed and rate display mismatch
- Fixed an issue that changing single band to dual on GWN.Cloud leads to missing SSID description
- Fixed an issue that dhcp option type display "1" after upgrade firmware from 1.0.4.x to 1.0.7.1
- Fixed a display issue of network acceleration's mouseover tooltip
- Other bug fixes

## FIRMWARE VERSION 1.0.7.1

### PRODUCT NAME

GWN7062 / GWN7052 / GWN7052F

### DATE

5/22/2023

### FIRMWARE FILE INFORMATION

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 7e87f50b4826866ded05b585deabc6d8
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 4234f6ce7eeb2d6cddef5f36ded6b420
- GWN7052F Firmware file name: gwn7052ffw.bin  
MD5 checksum: cb0d91b8532574a98d078f154e120bfe

### CHANGES/ENHANCEMENT

- Added new feature of GWN.Manager layer 2 discovery
- Added new feature of importing configurations files across different devices of the same model
- Added support of Cloud/Manager connection detection
- Added support of locking country code through Grandstream GAPS
- Optimized the DHCP option UI configuration format
- Fixed an issue of out of memory causing restart when hardware acceleration is enabled in GWN7062
- Fixed some configuration compatibility issues for cloud management
- Fixed an issue that syslog cannot be downloaded via gwnmenu
- Fixed an internal crash issue
- Changed the UI restriction to allow the gateway address to be within the DHCP pool
- Other bug fixes

## **FIRMWARE VERSION 1.0.5.44**

### **PRODUCT NAME**

GWN7062 / GWN7052

### **DATE**

3/6/2023

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: e79b587ac220c634757f0426ed1e9845
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: ec408284e28d30e3ba0a2124069da102

### **CHANGES/ENHANCEMENT**

- Added support of Mesh as CAP feature when managed by GWN.Cloud/GWN.Manager
- Internal bug fixes

## **FIRMWARE VERSION 1.0.5.38**

### **PRODUCT NAME**

GWN7062 / GWN7052

### **DATE**

1/10/2023

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 86167cde0df080a43ba7021968489546
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: b4b6d9232af999bad6583d5d6137e93c

### **CHANGES/ENHANCEMENT**

- Internal bug fixes

## **FIRMWARE VERSION 1.0.5.34**

### **PRODUCT NAME**

GWN7062 / GWN7052

### **DATE**

12/22/2022

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 4c93665763caca56c8c3e11af83e6995
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: a733d3e54646b1c298b8e4f23f41ad66

### **CHANGES/ENHANCEMENT**

- Added support for new GWN Cloud 1.1.23.28
- Added support third layer discovery for GWN Manager
- Optimized the Alert system
- Internal bug fixes



## **FIRMWARE VERSION 1.0.5.12**

### **PRODUCT NAME**

GWN7062 / GWN7052

### **DATE**

10/27/2022

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 18089092e937345d91ae0d38b187ed45
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 3ee377375658f2f2db627e6c37ca6a7a

### **CHANGES/ENHANCEMENT**

- Fixed an issue that Top Clients data may show errors in overview page
- Fixed an issue that client cannot authenticate with the external portal from GWN AP under GWN router
- Fixed an issue that video stream does not present buffering on client from MESH RE AP.
- Fixed an issue that WAN2 web access may show 404.
- Fixed an issue that causes router to crash in long term throughput test.
- Some internal fixes.

## **FIRMWARE VERSION 1.0.5.9**

### **PRODUCT NAME**

GWN7062 / GWN7052

### **DATE**

10/12/2022

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: 0125f142adf1d356982a0420ca42745a
- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: 7d95d0b59ee4ffd0a3913bd4d553a24b

### **CHANGES/ENHANCEMENT**

- Fixed an issue that GWN Router shows offline from Cloud then Internet access is normal.
- Fixed an issue of wrong IPv6 address lifetime.
- Fixed an issue of IPv6 settings provisioning.
- Fixed an issue that core file cannot be downloaded if remote access via GWN Cloud.
- Fixed an issue that the 16<sup>th</sup> dual-band SSID cannot be changed to 5G only.
- Fixed some issues of AP settings provisioning.
- Fixed an issue that guest page authentication type is incorrect under Captive Portal.
- Changed the web setting to allow port changes even when WAN port web access is closed.
- Some other internal fixes.

## **[GWN7062] FIRMWARE VERSION 1.0.5.6**

### **PRODUCT NAME**

GWN7062

### **DATE**

9/8/2022

### **FIRMWARE FILE INFORMATION**

- GWN7062 Firmware file name: gwn7062fw.bin  
MD5 checksum: cdfc394a060e04d34b384ad9e86a6e58

### **CHANGES/ENHANCEMENT**

- This is the first release of GWN7062
- Note: GWN Cloud support for GWN7062 is only available in form of web tunnel in current firmware. Full GWN Cloud support will be released in later version.

## **[GWN7052] FIRMWARE VERSION 1.0.5.5**

### **PRODUCT NAME**

GWN7052

### **DATE**

9/8/2022

### **FIRMWARE FILE INFORMATION**

- GWN7052 Firmware file name: gwn7052fw.bin  
MD5 checksum: fe02e415e9e6ddb024a3ec5377bacf82

### **CHANGES/ENHANCEMENT**

- This is the first release of GWN7052
- Note: GWN Cloud support for GWN7052 is only available in form of web tunnel.in current firmware. Full GWN Cloud support will be released in later version.