GWN700X Router Firmware Release Notes

IMPORTANT UPGRADING NOTE

1. **After upgraded to 1.0.11.6 and later, downgrade to 1.0.5.36 or prior will factory reset the device. Please back up all the configuration before downgrading.**
2. GWN700x 1.0.5.35 or later firmware requires GWN Manager version to be at least 1.1.28.27 or newer.
3. Downgrading from firmware 1.0.5.x or higher version to 1.0.3.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 1.0.11.63

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

11/16/2026

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 2721044a10dce9f2024a580d3a73db3e

CHANGES/ENHANCEMENT

- **Security:** Fixed use-after-free (UAF) vulnerability in the Linux kernel's IPv4 TCP connection-handling stack (CVE-2026-98432).
- Internal bug fixes.

FIRMWARE VERSION 1.0.11.61

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

8/6/2026

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 3eae429d0e2ad45ca22d101710119bb1

CHANGES/ENHANCEMENT

- Overview: Added a "Sync NTP Server Time" button.
- Navigation Bar: Added a new "Security Mode" menu.
- WAN: Added Release/Renew buttons when the WAN connection type is set to DHCP.
- LAN: Added support for configuring VLAN subnet masks with /31.
- LAN: Added support for configuring two IPv4 addresses for VLANs and associating them with two DHCP servers.
- LAN: Added a new DHCP Server configuration.
- LAN: Added Bridge Mode for Bonjour Gateway.
- PPTP: Added support for obtaining PPTP client addresses from the local network.
- Routing Table: Added VPN and System protocol types and a Metric column.
- Static Route: Changed the default administrative distance to 1.
- Routing: Added a new Administrative Distance menu.
- Firewall: Added uRPF (Unicast Reverse Path Forwarding) support.
- System Settings: Added an Administrator menu.
- Security Management: Moved SSH Remote Access to Maintenance -> Diagnostics and rename it to Remote Support.
- System Settings: Add System Location and System Contact settings and synchronize them with SNMP.
- Maintenance: Add an Administrator Change Alert.
- WAN: Automatically disable VPN services that depend on a deleted WAN interface.
- Security: Enhanced system security.
- Security: Added option to allow login web or SSH using credentials saved in RADIUS.
- Security: Added option to edit the banned time duration for web login.
- Added option to delay applying changes on the routers.
- Added ability to establish BGP interfaces as prefer route.
- Added multiuser management for router administration.
- Added ability to edit SNMP OUID values SysName, sysContact and sysLocation from RFC1213 for MIB-II.

- Fixed an issue where IPsec Tunnel Using FQDN Does Not Re-establish After Remote IP Change.
- Fixed an issue where "Set Firewall Inbound Rule failed" error.
- Internal bug fixes.

FIRMWARE VERSION 1.0.11.36

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

6/8/2026

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 9f2bdc6b004f8e3c87228eebec33ead3

CHANGES/ENHANCEMENT

- Internal bug fixes.

FIRMWARE VERSION 1.0.11.35

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

12/10/2025

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: b1e8c37e51dd19a16a147ba950d1b963

CHANGES/ENHANCEMENT

- Added support to 4G USB dongle and allow set it as WAN
- Internal bug fixes.

NEW FEATURE OVERVIEW

- **4G USB Dongle**

Now GWN700x support to use 4G USB Dongle and use it as WAN

	GWN7001	GWN7002	GWN7003
USB Port Specifications	Supports connection of 4G USB modems with power consumption not exceeding the maximum output for the corresponding hardware version: • Output for hardware version before V2.0A: 0.5A 2.5W • Output for hardware version after V2.0A: 0.8A 4W		Supports connection of 4G USB modems with power consumption not exceeding the maximum output for the corresponding hardware version: • Output for hardware version before V2.0A: 0.5A 2.5W • Output for hardware version after V2.0A: 1A 5W
PoE Input	N/A	Standard: IEEE 802.3af/at	
PoE Output	N/A	2x PoE out ports Passive 48V or IEEE802.3af	
PoE Power Budget	N/A	24V DC 1A: 12.8W 24V DC 1.5A: 24.8W	24V DC 1A: 12.8W 24V DC 1.5A: 24.8W 24V DC 2A: 36W
Power & Green Energy Efficiency	Universal power adaptor included Input: 100-240VAC 50-60Hz Output: 12V DC 1A (12W)	Universal power adaptor included: Input: 100-240VAC 50-60Hz Output: 24V DC 1A (24W)	Universal power adaptor included: Input: 100-240VAC 50-60Hz Output for hardware versions before V2.0: 24V DC 1A (24W) Output for hardware versions after V2.0: 24V DC 2A (48W)

FIRMWARE VERSION 1.0.11.26

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

10/24/2025

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 49d5d875f7ab51c68c2b1e9d4a9381cc

CHANGES/ENHANCEMENT

- Added support to more SNMP communities
- Added support to IP allow list on WAN's port web access
- Added option to limit the bandwidth on WAN port
- Added support to IP address Group for QoS Rules
- Fixed an issue that QoS Rule does not allow subnet mask under Source IP address
- Internal bug fixes.

FIRMWARE VERSION 1.0.11.18

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

2/13/2025

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: b7c35682c9a98ca7455a7d9e69d3ae5a

CHANGES/ENHANCEMENT

- Added support to load-balancing policies.
- Added support to re-factory certificates.
- Added support for port forwarding rule with multiple source IP addresses.
- Added VLAN ID for PPSK.
- Fixed a security issue of OS command injection in networking alert-notify.
- Fixed an issue that cloud server fails to deliver portal configuration to routers.
- Fixed an issue that /31 subnet mask was not supported on 1.0.11.6 which was working fine.
- Fixed an issue that WAN port cannot set static IP with low subnet mask.
- Fixed an issue that it unable to download any files from router, with error message "504 Gateway Time-out".
- Internal bug fixes.

FIRMWARE VERSION 1.0.11.6

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

10/15/2024

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: b36e6c140de23e50e08b67aa0d6cd1b0

CHANGES/ENHANCEMENT

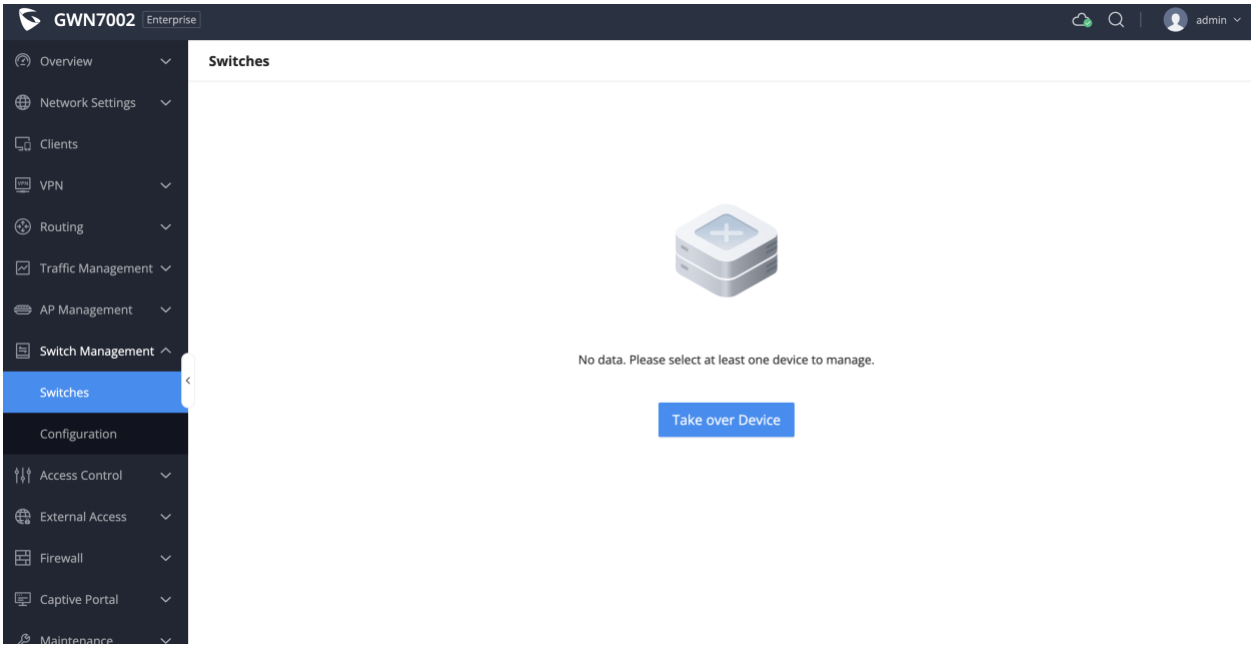
- Allow VLAN2 to be used.
- Optimized Trace IP feature.
- Optimized RADIUS configuration as a profile.
- Optimized dynamic route WAN action rule.
- Optimized Wireguard configuration.
- Optimized IPSec forwarding destination group configuration that users do not need to configure.
- Optimized VPN Web UI configuration for PPTP, OpenVPN, IPSec, L2TP, and Wireguard.
- Optimized VPN list display for rate, traffic, etc.
- Optimized Port forwarding configuration.
- Optimized automatic Daylight Saving/winter time zone detection.
- Optimized TR-069 ACS source configuration.
- Optimized hardware acceleration prompt text.
- Optimized Feedback configuration.
- Optimized WAN, client list information display.
- Optimized Client list filtering.
- Optimized the rate statistics period for wired and wireless clients.
- Optimized unit display on the file storage interface.
- Optimized Alert & Notifications Web UI.
- Optimized Static IP Binding configuration.
- Displays the client virtual IP when it connected to PPTP/OpenVPN Server.
- Changed IPSec Site-to-Site local source IP to be automatically obtained.
- Increased IPSec Site-to-Site the number of subnets.
- Disable password wizard after password provisioning.
- Disable the LED of the device is off.
- Disable Twitter forces Follow by default.
- After changing the login password, the web will be forcibly logged out.

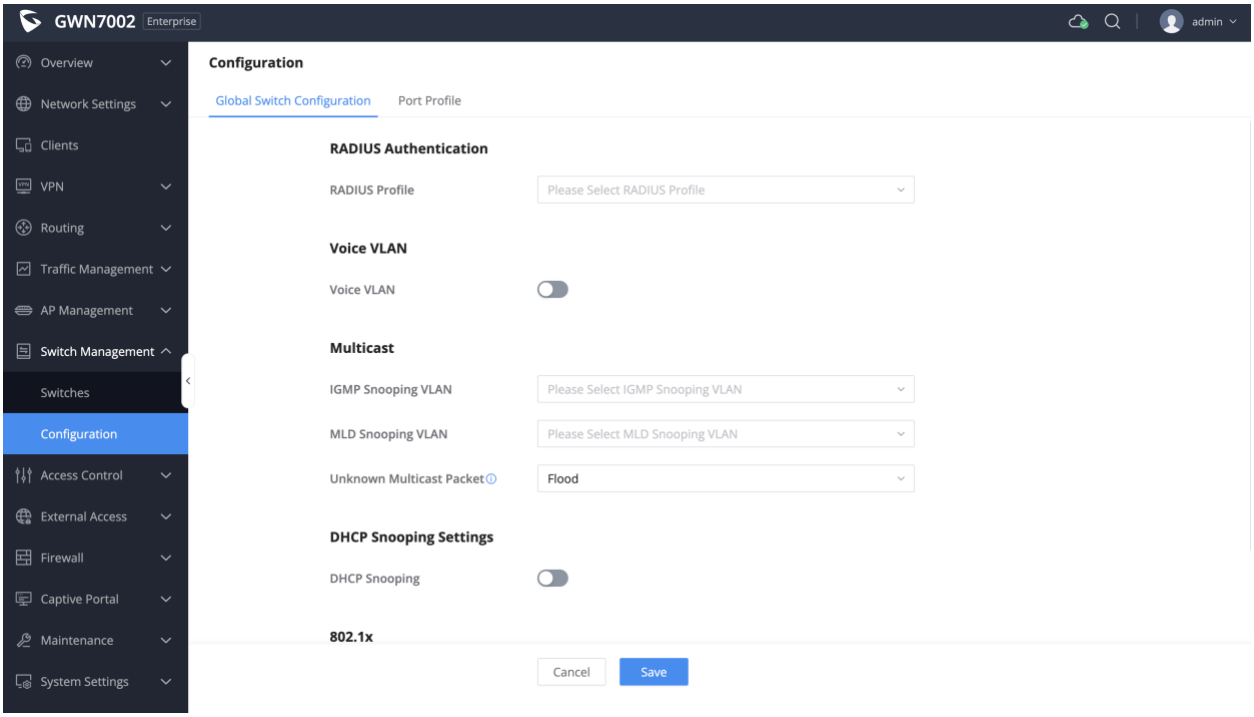
- Modified the text "GWN Cloud" to "GDMS Networking".
- Increased The client validity period of the portal policy to 30 days.
- OpenVPN/Wireguard local ports automatically provide an available number.
- Modules such as policy routing/static routing/port forwarding support to search by name.
- GWN700x maximum number of APs supported command line open to 300.
- Added support for switch management.
- Added switch statistics to the dashboard.
- Added support for dynamic routing: OSPF/RIP/BGP.
- Added support for filtering by interface in the policy pool.
- Added default policy routing rule display function in policy routing.
- Added new filter based on load balancing policy name in policy routing.
- Added VPN configuration wizard.
- Added IPSec Site-to-Site currently connected subnet display.
- Added support for OpenVPN Server PSK one-click key generation.
- Added support for 6G band.
- Added "Authenticated Guest" status in the client list.
- Added a filter to the traffic rules, client list, etc.
- Added support for schedule in the traffic rule configuration.
- Added exception IP in DoS defense.
- Added support for wired client portal authentication.
- Added support for Bypass Splash Page in captive portal policy.
- Added support for captive portal on wired network.
- Added support for Standby on Demand mode for PPPoE.
- Added automatic synchronization router time configuration.
- Added support for setting up multiple NTP servers.
- Added domain to GWN router's LAN access.
- Added support to configure PPSK on the Cloud to take effect on the router.
- Added support to display the DDNS domain name configured through the Could.
- Added Web UI user manual guide.
- Added support to filter the AP device list based on device status.
- Added connected status to the selected WAN port.
- Added support for dashboard to display traffic statistics details for each WAN port.
- Added multiple language support.
- Added the option to set the Web GUI language on the configuration.
- Adjusted QoS bandwidth limit input range.
- Added support to show the ports to which the current device is connected in client list and AP list.
- Added real-time status update switch in the client list.
- Added a reminder if Mesh is not enabled on the router when taking over the RE device.
- Added support to clone rules in traffic rules, NAT, and port forwarding.
- Added support for exporting .ovpn files.
- Added VPN user manual guide.

- Added GWN APP management guide.
- Added standby mode in policy routing.
- Added support for failover to next rule in policy routing.
- Added IP address and IP address group profile.
- Added FQDN and FQDN group profile.
- Added object grouping profile support.
- Added support for importing OpenVPN Client CA and certificates.
- Added LAN port status alert.
- Added the ability to detect the public IP for DDNS and IPSec one key debug.
- Added the ability to detect the public IP when the GWN700x is behind another router.
- Added support for nslookup.
- Added support to configure blackhole for static routes.
- Added support for cloud security alerts.
- Added supports for cloud configuration of exempt IP, DoS defense, and Spoofing defense.
- Added support for cloud configuration of DDNS IP source and update interval.
- Added support for TR069, settings can be found under Maintenance.
- Added support to disable Inter-VLAN between specific VLANs.
- Added “Service Name” filed to the WAN PPPoE configuration.
- Cloud/Manager connection detection support multiple links.
- Fixed an issue that could lead L2TP VPN connection not stable.
- Fixed some PPTP VPN issues.
- Fixed some PPPoE issues.
- Fixed some OpenVPN issues.
- Fixed that VPN and Port Forwarding settings being deleted after WAN disabled.
- Fixed an issue that input wrong AP login password would not prompt error when takeover AP record.
- Fixed IPv6 address source display incorrect after deleting WAN1.
- Fixed large amount of packet loss in 2 LAN to 2 WAN streaming environment.
- Fixed USB device security popup is failed in some cases.
- Fixed an issue that when the SNMPv3 username or password contains “, the SNMP connection fails.
- Internal bug fixes.

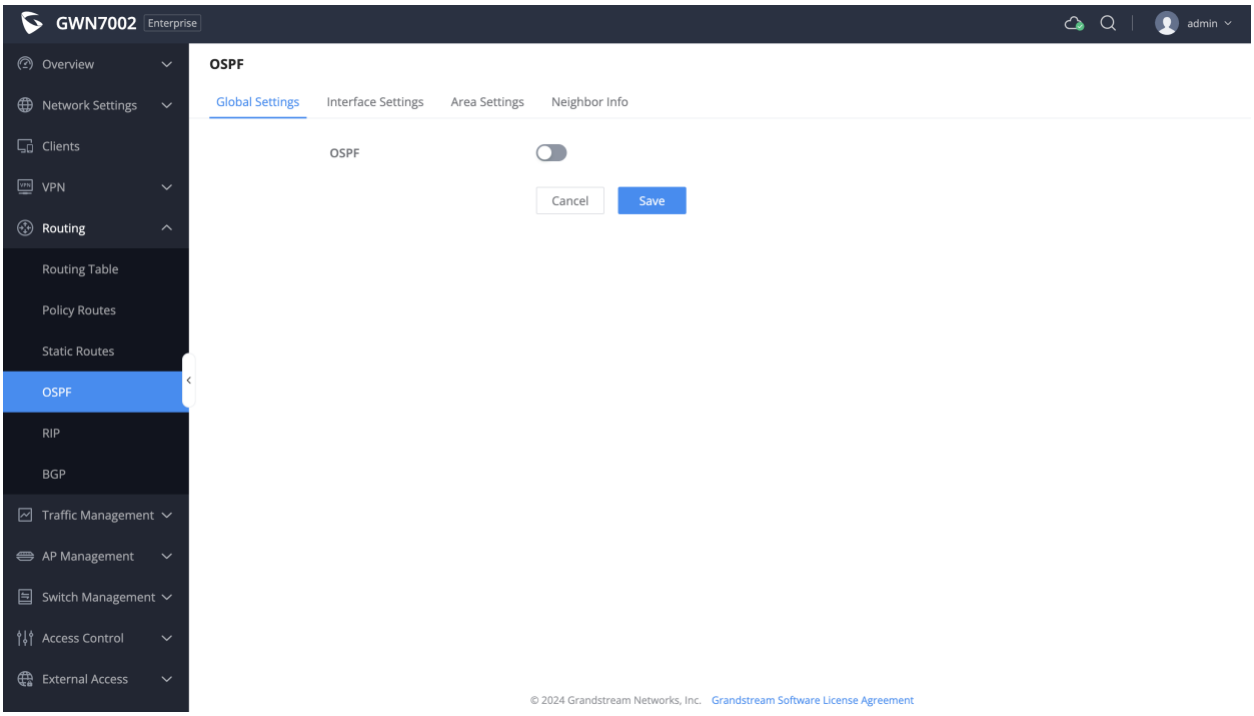
NEW FEATURE OVERVIEW

- **Switch management**

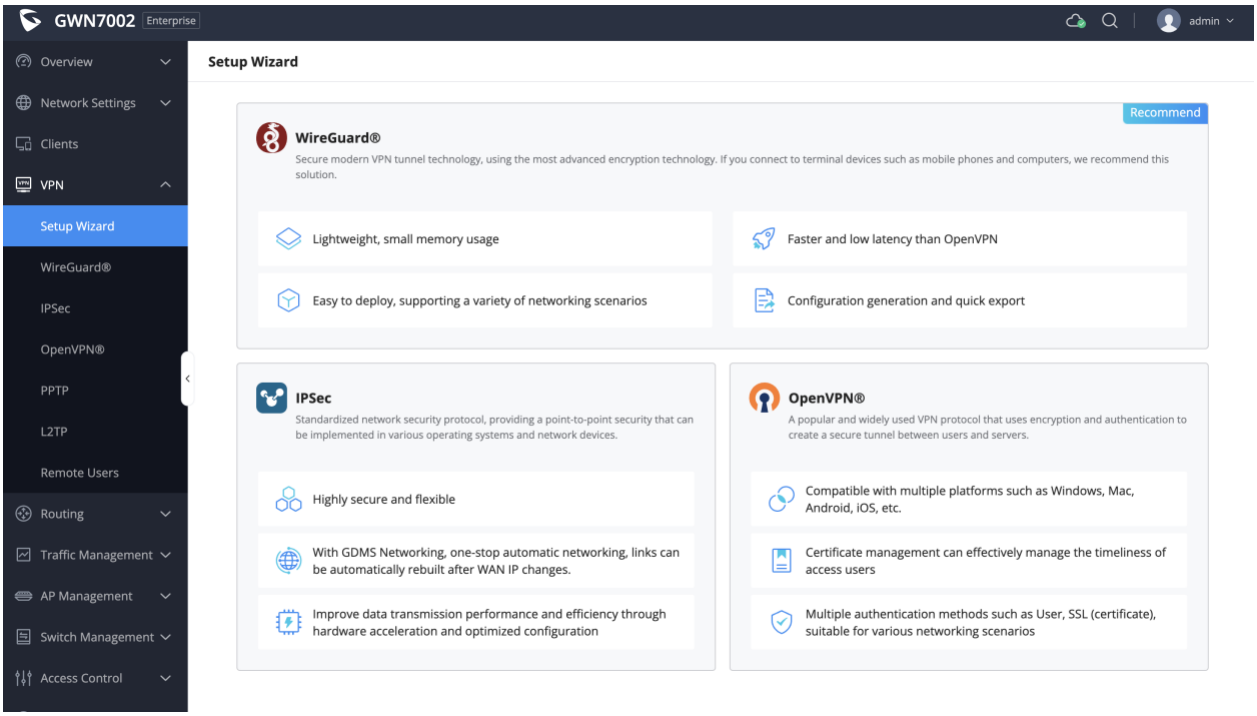




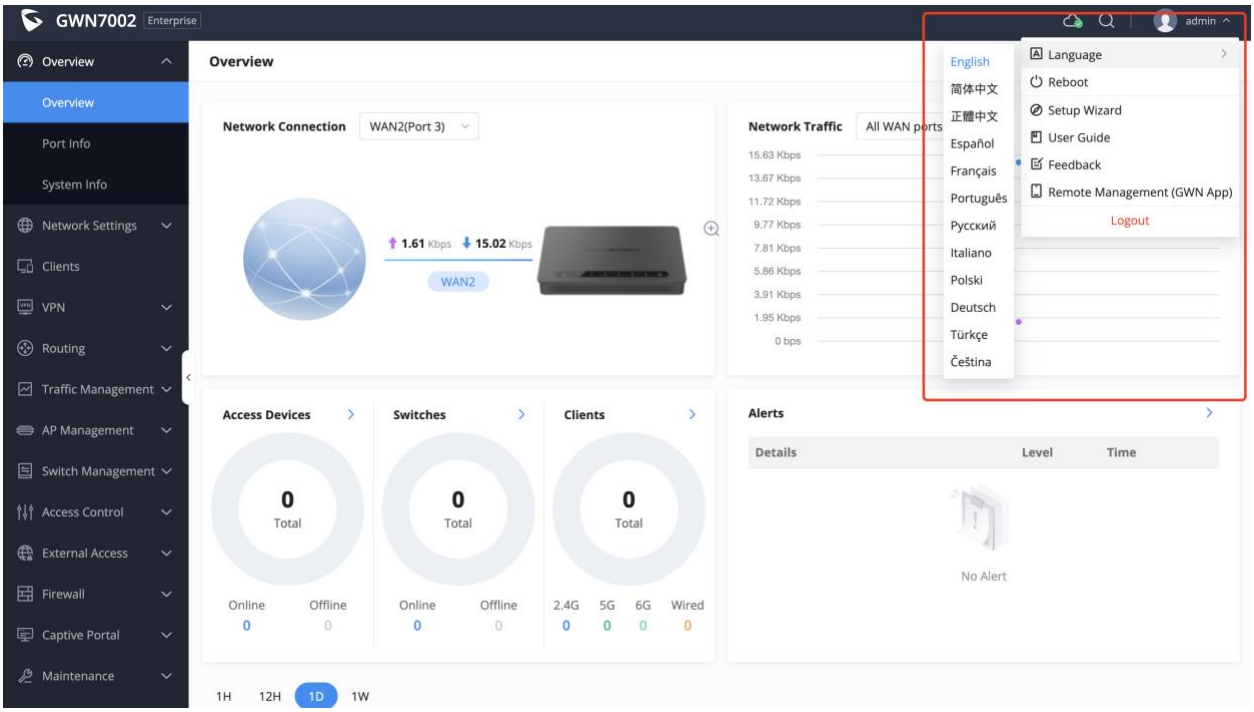
- **Dynamic routing: OSP/RIP/BGP**



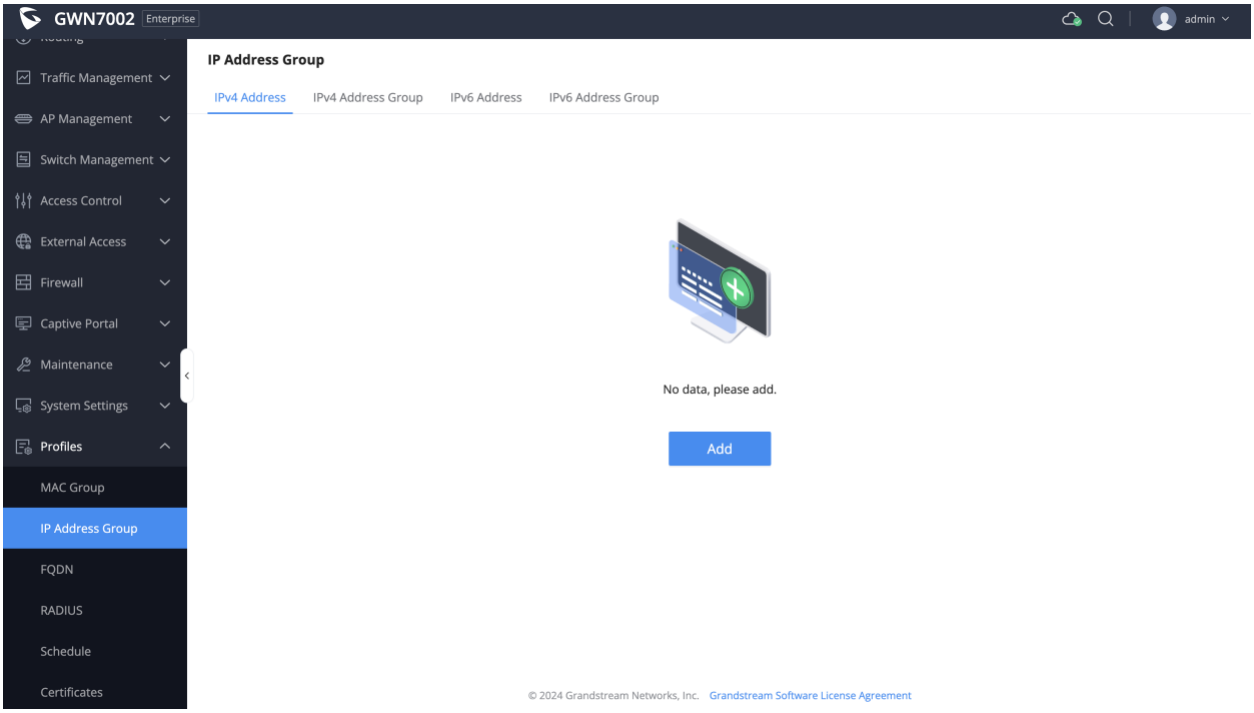
- **VPN configuration wizard**



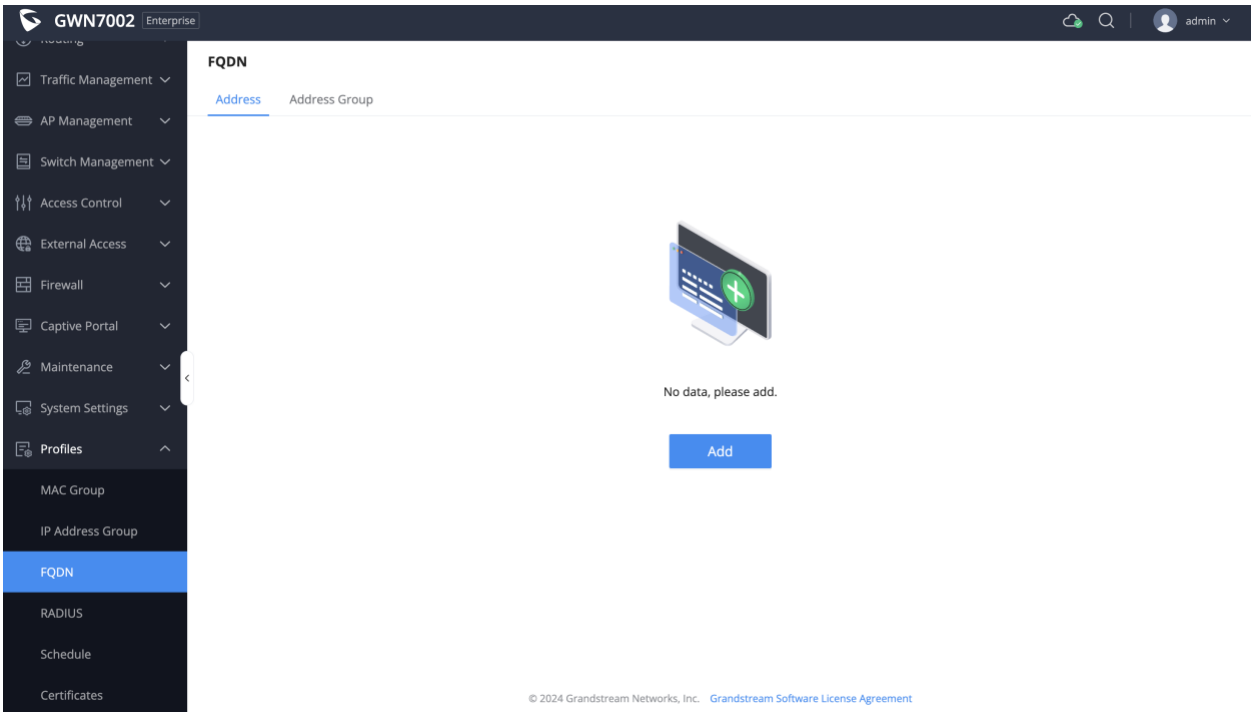
- **Multiple Language Support**



- **IP Address and IP Address Group**



- **FQDN and FQDN Group**



FIRMWARE VERSION 1.0.5.36

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

08/07/2024

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: e9140b6cb1e88373f60aa1017ea8d14e

CHANGES/ENHANCEMENT

- Internal bug fixes.

FIRMWARE VERSION 1.0.5.35

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

06/24/2024

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 13591e969ab15a297abf70e207f5791c

CHANGES/ENHANCEMENT

- Enhanced security by adding support for GWN Manager that new access devices require password authorization for Layer 2 discovery.

FIRMWARE VERSION 1.0.5.30

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

01/23/2024

FIRMWARE FILE INFORMATION

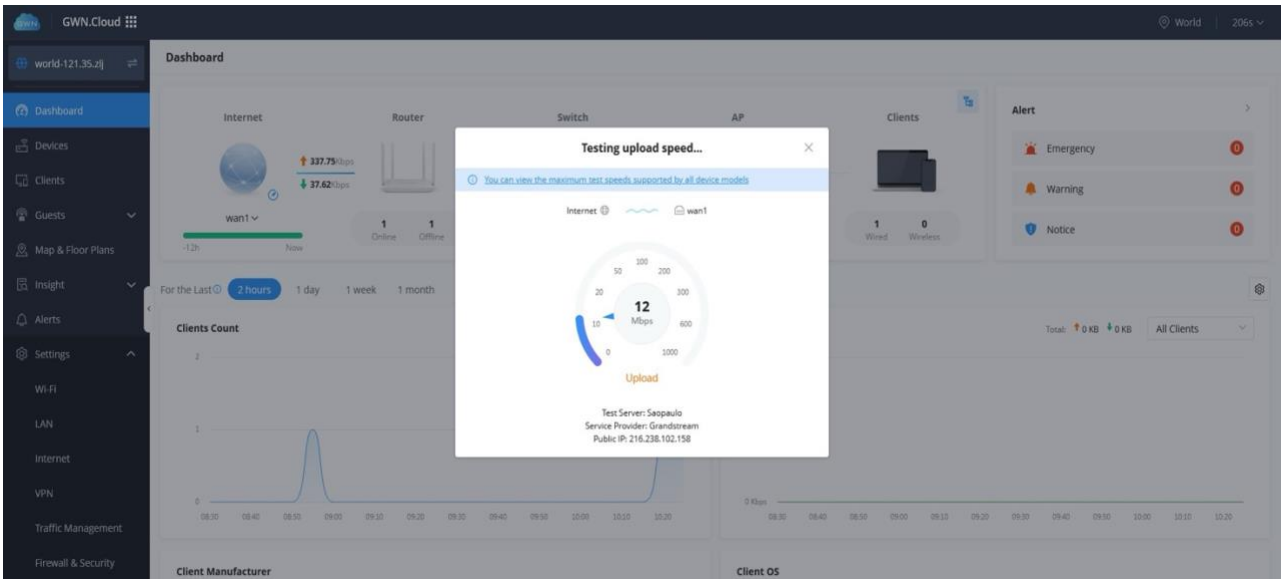
- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 9b9daf917dd0d0b869ed01524e4e683a

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 settings.

FIRMWARE VERSION 1.0.5.7

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

12/15/2023

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 6c6f845a68ff9290fdf4e88a3230751e

CHANGES/ENHANCEMENT

- Removed the DHCP range restriction on Static IP assignment which was added in 1.0.5.6
- Internal bug fixes

FIRMWARE VERSION 1.0.5.6

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

11/10/2023

FIRMWARE FILE INFORMATION

- GWN700x Firmware file name: gwn700xfw.bin
  MD5 checksum: 2d2479ff320d6dbce1c5eac2ab21c27e

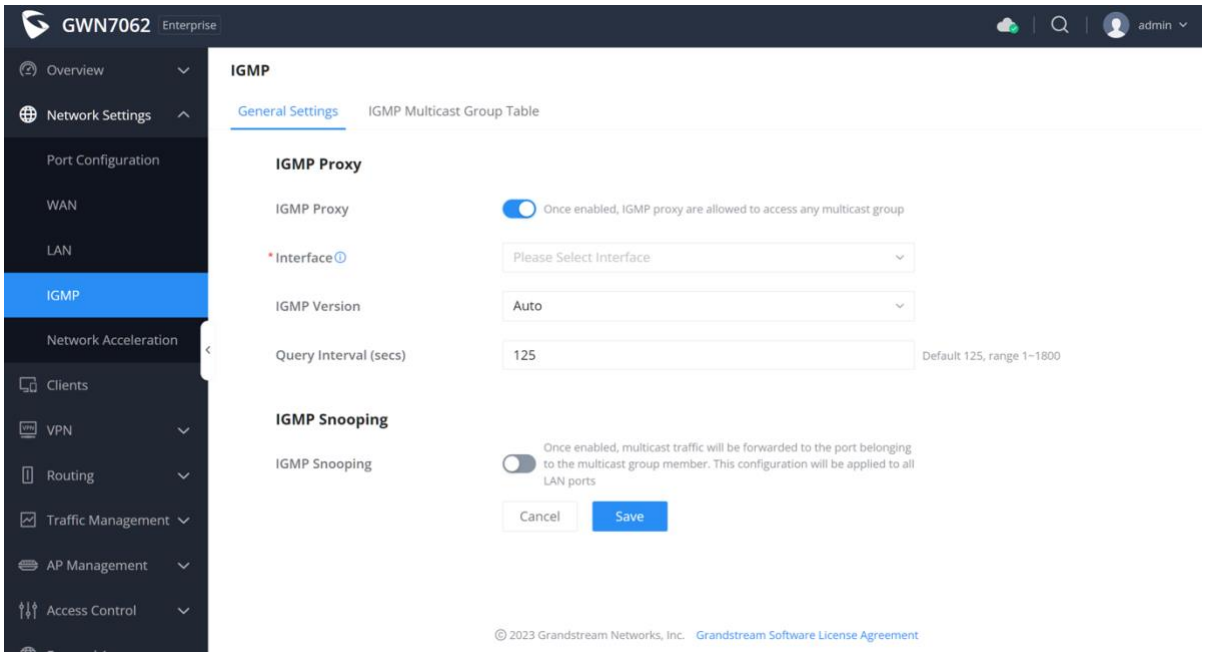
CHANGES/ENHANCEMENT

- Added new feature of **IGMP**
- Added new feature of **HostName** access
- Added new feature of **IP Routed Subnet**
- Added new feature of DHCP Option Optimization & **Option 43 Service List**
- Added new feature of **Triple Play**
- Added new feature of **Bandwidth Limit**
- Added new feature of **WireGuard®**
- Added new feature of **mDNS Bonjour**
- Added new feature of **Cloud/Manager Connection Diagnostics**
- Added support of Transferring APs to GWN Cloud/Manager
- Added support of disabling/enabling Ethernet port
- Added support of Facebook/Twitter/Google authentication for Captive Portal
- Added support of 1 month data local store for GWN7003
- Added support of displaying associated Wi-Fi clients' information from managed APs
- Added support of exporting client/access point/guest list
- Added support of VPN cert backup and restore
- Added support of scheduling for SSID bandwidth limit and policy routing
- Added support of filtering clients by VLAN ID
- Added support of more Cloud Features: Portal, VPN, Policy Routing, Modifying web Password, Certification management, WAN Health, WAN VLAN Priority.
- Optimized the IP binding configurations
- Optimized the Alert settings and added more Alert events
- Removed DST for Mexico time zone
- More bug fixes

NEW FEATURE OVERVIEW

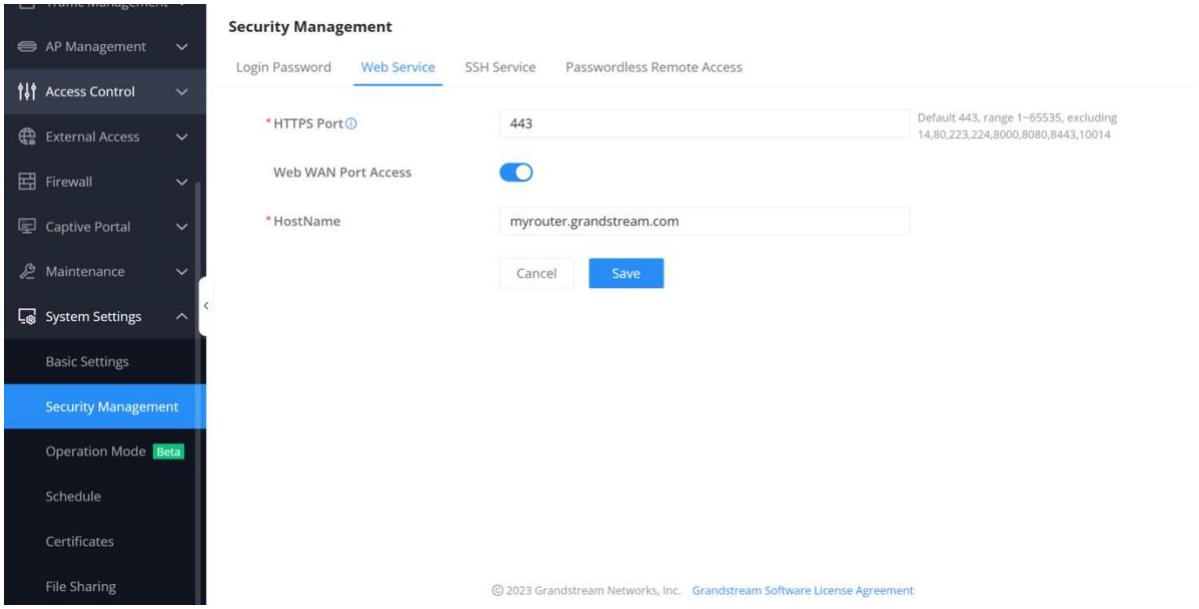
- **IGMP**

  Support IGMP proxy and IGMP snooping settings.



- **HostName Access**

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

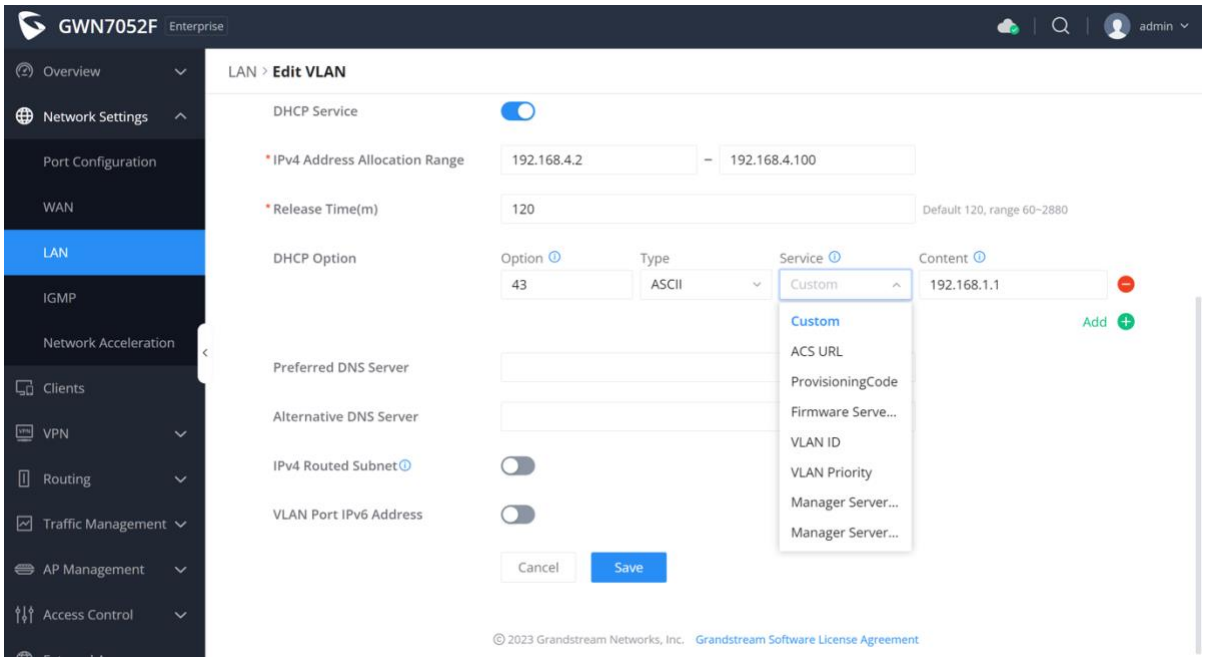


- **IP Routed Subnet**

  Configuration is avalable to LAN settings, Once enabled, clients will be allowed to access WAN without NAT.

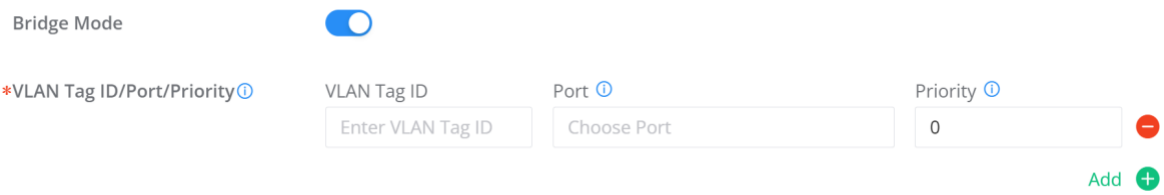


- **DHCP Option Optimization & Option 43 Service List**

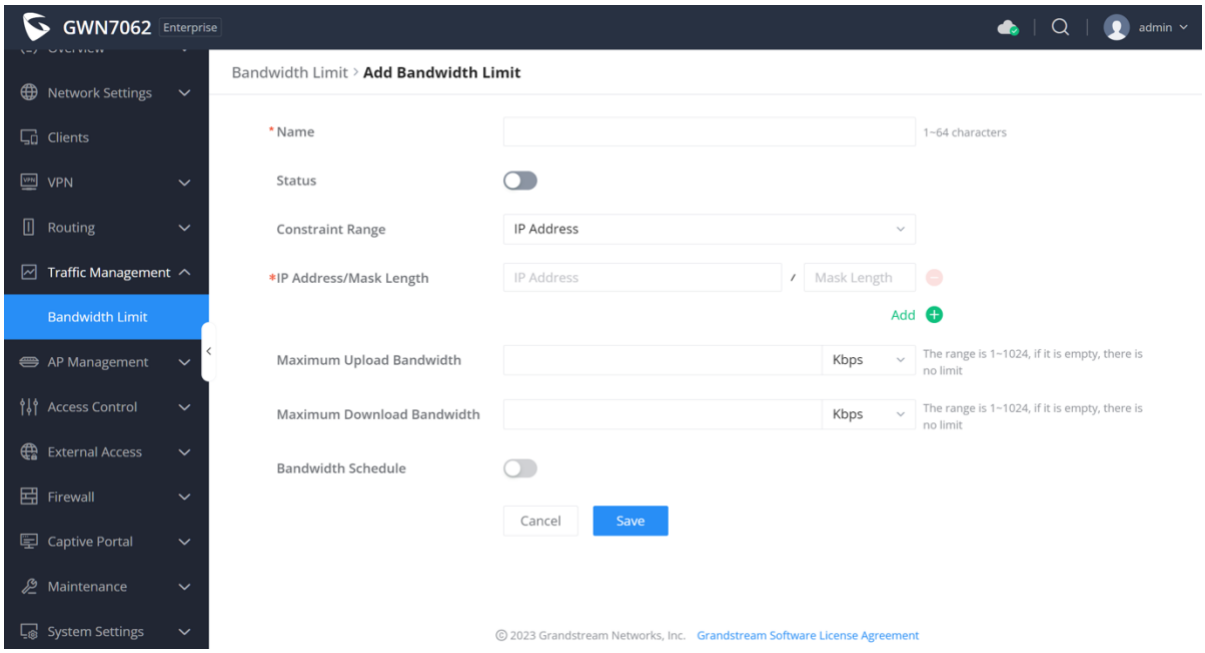


- **Triple Play**

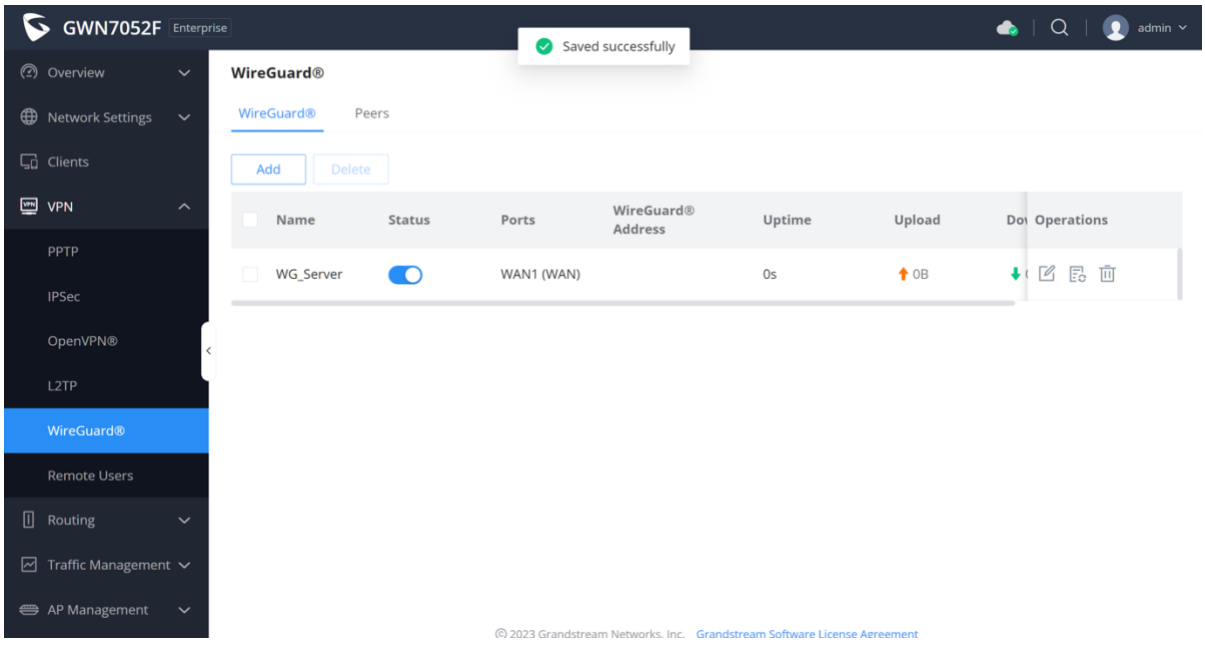
Configuration is available at Network Settings → WAN → Edit WAN



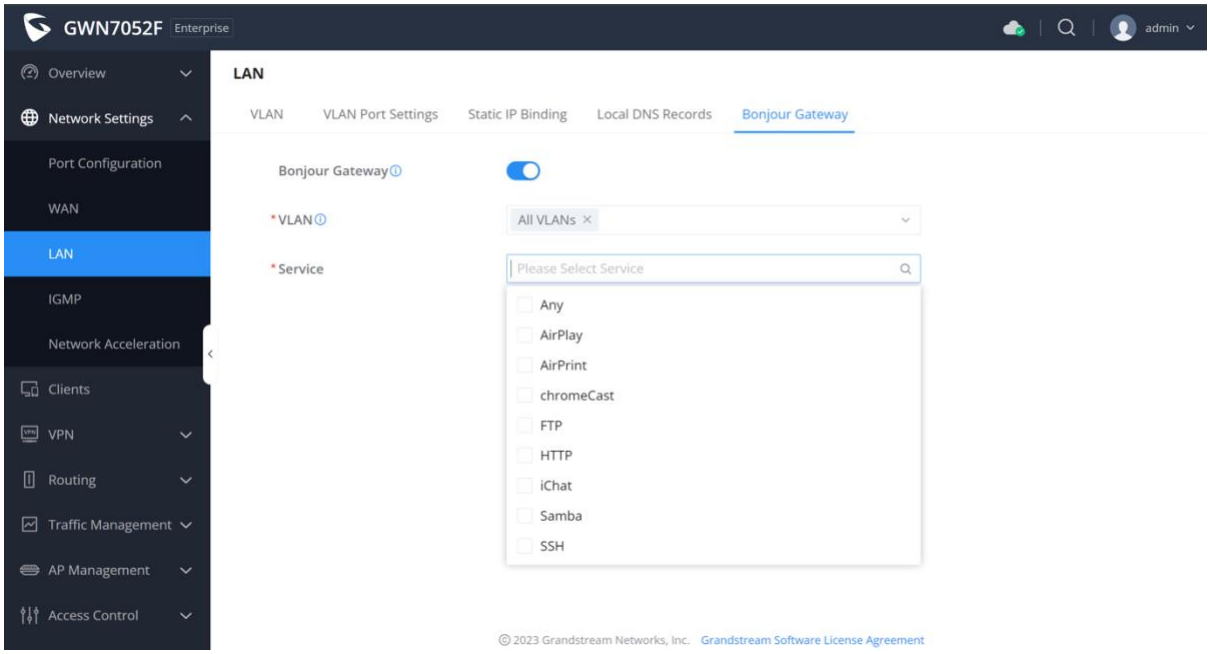
- **Bandwidth Limit**



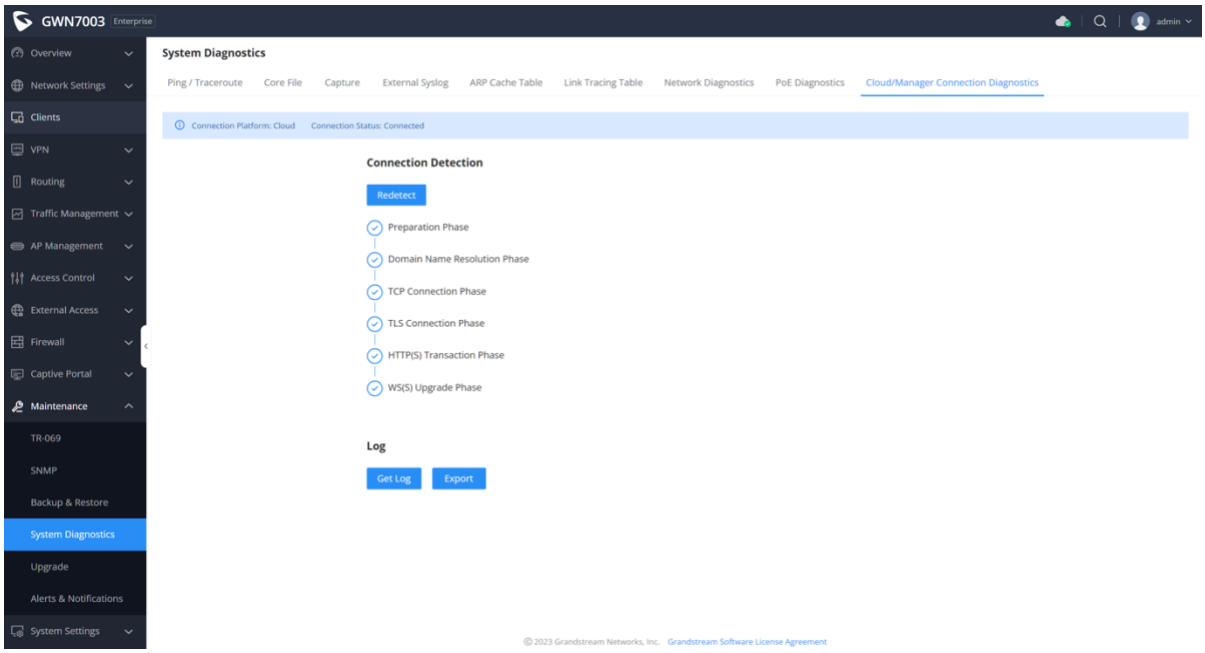
- **WireGuard®**



- **mDNS Bonjour**



- **Cloud/Manager Connection Diagnostics**



FIRMWARE VERSION 1.0.3.5

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

09/19/2023

FIRMWARE FILE INFORMATION

- GWN7001/GWN7002/GWN7003 Firmware file name: gwn700xfw.bin
  MD5 checksum: 36d3d232f90d44661dc82ff9bd5b3e8c

CHANGES/ENHANCEMENT

- Fixed an issue caused by loopback packet detection mechanism.

FIRMWARE VERSION 1.0.3.4

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

08/08/2023

FIRMWARE FILE INFORMATION

- GWN7001/GWN7002/GWN7003 Firmware file name: gwn700xfw.bin
  MD5 checksum: c7a4c56847c718e8ee6dcefc6e782dd6

CHANGES/ENHANCEMENT

- Added new feature of TURN server
- Added new feature of 2.5G SFP module support
- Optimized VPN packet forwarding
- Optimized QoS UI
- Internal bug fixes

FIRMWARE VERSION 1.0.1.6

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

06/13/2023

FIRMWARE FILE INFORMATION

- GWN7001/GWN7002/GWN7003 Firmware file name: gwn700xfw.bin
  MD5 checksum: 85e10887561ea8540af9e083d8f7f460

CHANGES/ENHANCEMENT

- This is the first release of GWN700X