

GWN7001/7002/7003 Router Firmware Release Notes

IMPORTANT UPGRADING NOTE

1. Warning:

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 1.0.5.6

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

11/10/2023

FIRMWARE FILE INFORMATION

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

CHANGES/ENHANCEMENT

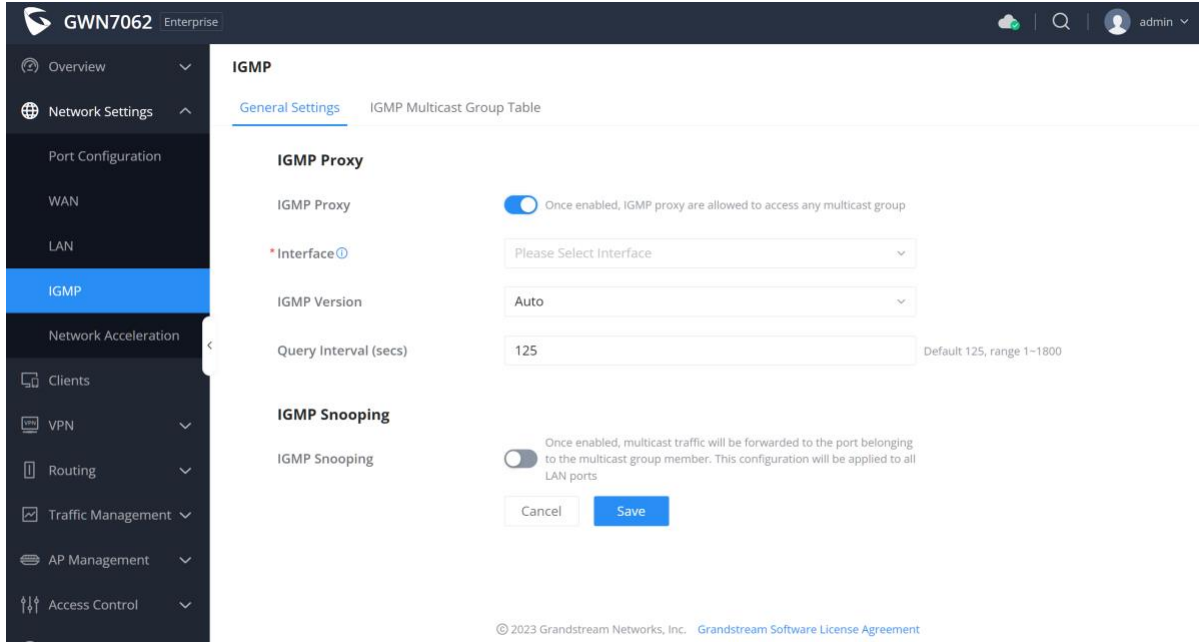
- Added new feature of **IGMP**
- Added new feature of **HostName** access
- Added new feature of **IP Routed Subnet**
- Added new feature of DHCP Option Optimization & **Option 43 Service List**
- Added new feature of **Triple Play**
- Added new feature of **Bandwidth Limit**
- Added new feature of **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

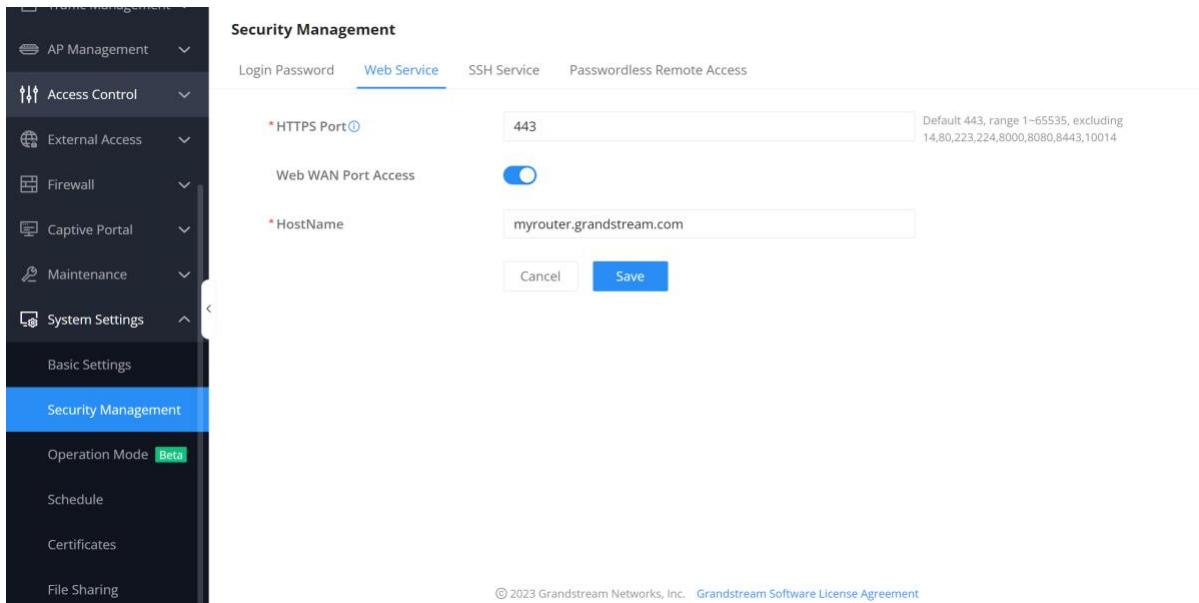
- IGMP**

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**

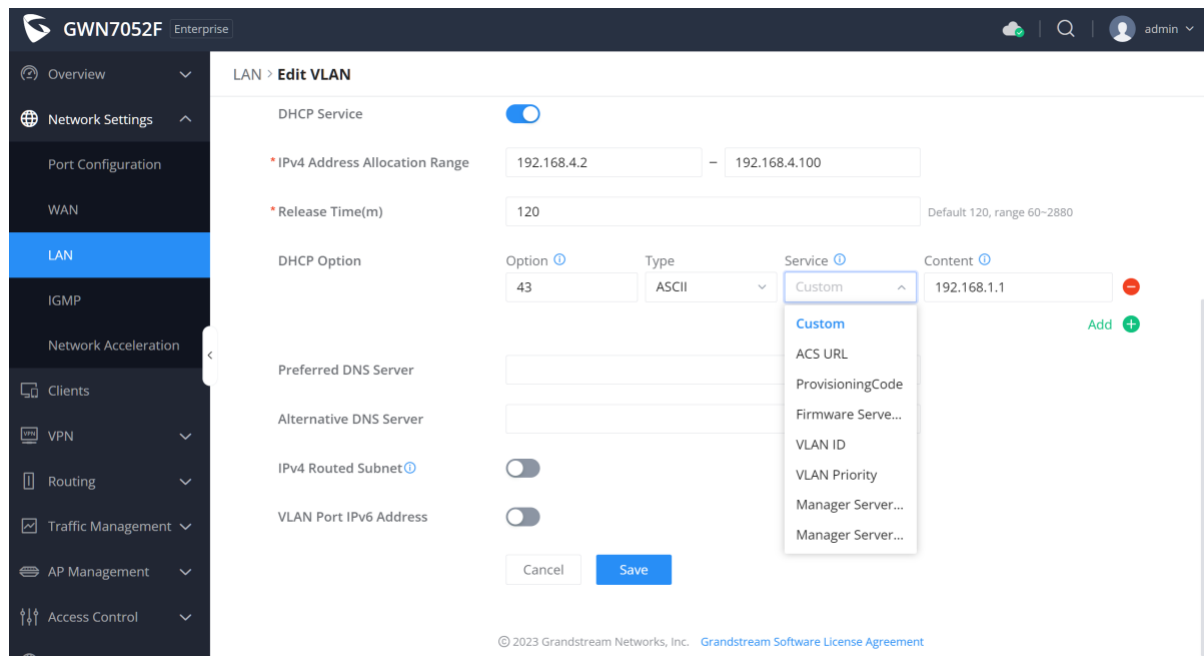
Configuration is available to LAN settings, Once enabled, clients will be allowed to access WAN without NAT.



IPv4 Routed Subnet

*Interface

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



GWN7052F Enterprise

LAN > Edit VLAN

DHCP Service

*IPv4 Address Allocation Range -

*Release Time(m) Default 120, range 60-2880

| DHCP Option | Option | Type | Service | Content |
|-------------|--------|-------|---------|-------------|
| | 43 | ASCII | Custom | 192.168.1.1 |

Preferred DNS Server

Alternative DNS Server

IPv4 Routed Subnet

VLAN Port IPv6 Address

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- **Triple Play**

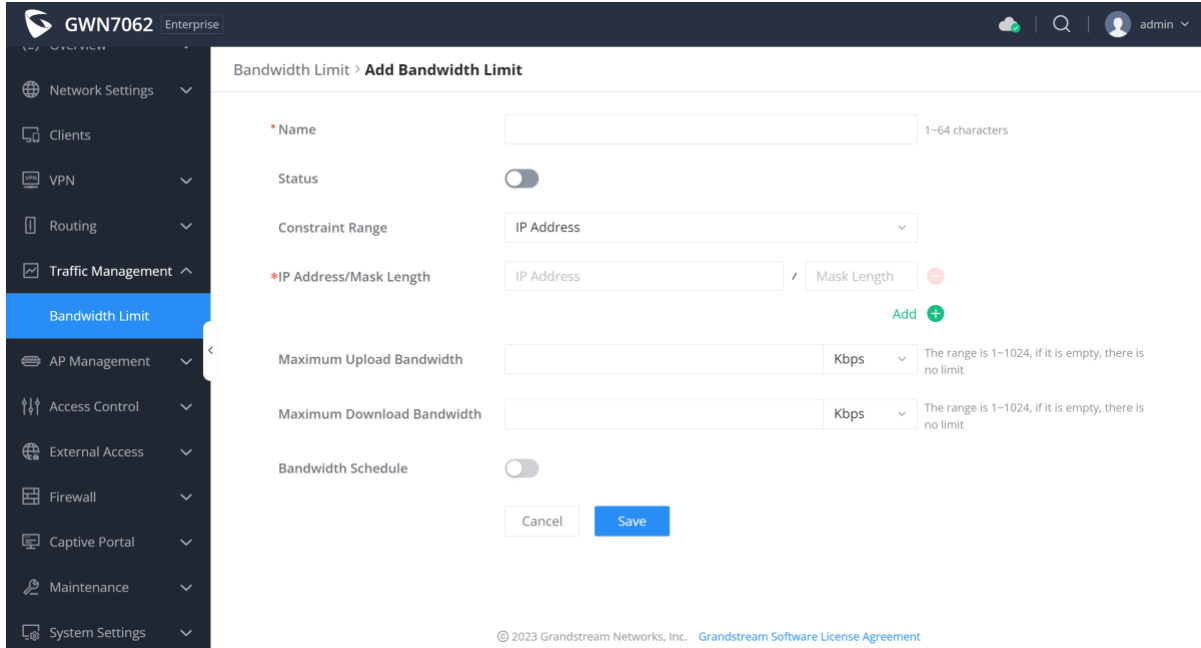
Configuration is available at Network Settings → WAN → Edit WAN

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"/> |

- **Bandwidth Limit**



GWN7062 Enterprise | admin

Bandwidth Limit > **Add Bandwidth Limit**

*Name 1-64 characters

Status

Constraint Range

*IP Address/Mask Length / Add +

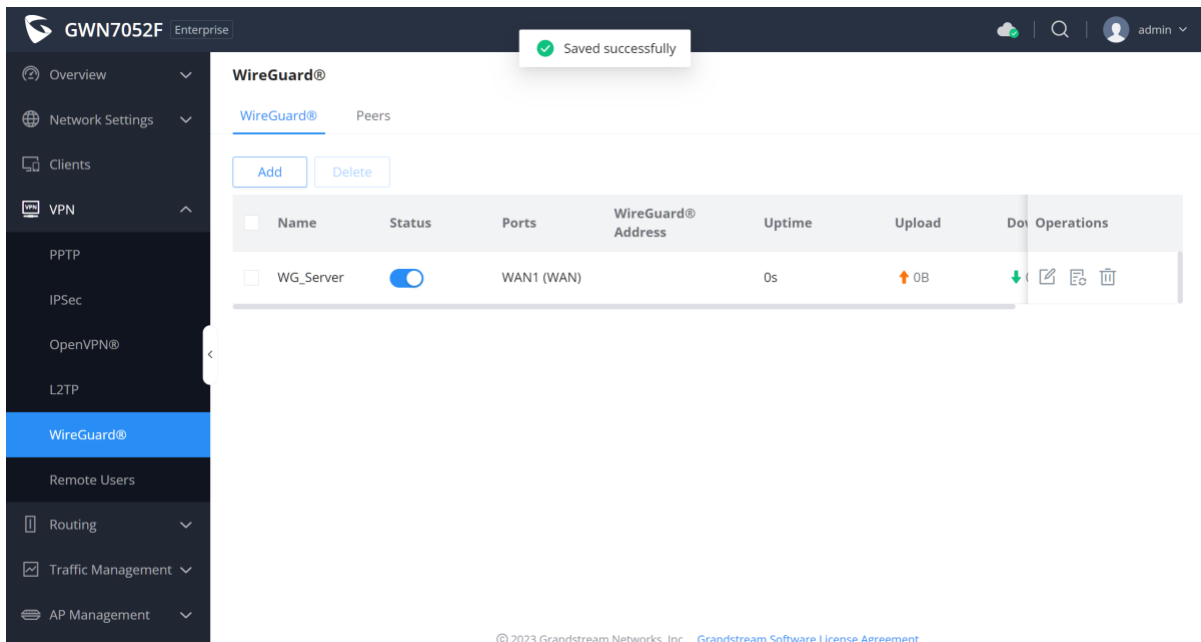
Maximum Upload Bandwidth The range is 1-1024, if it is empty, there is no limit

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

Bandwidth Schedule

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- **WireGuard®**



GWN7052F Enterprise | admin

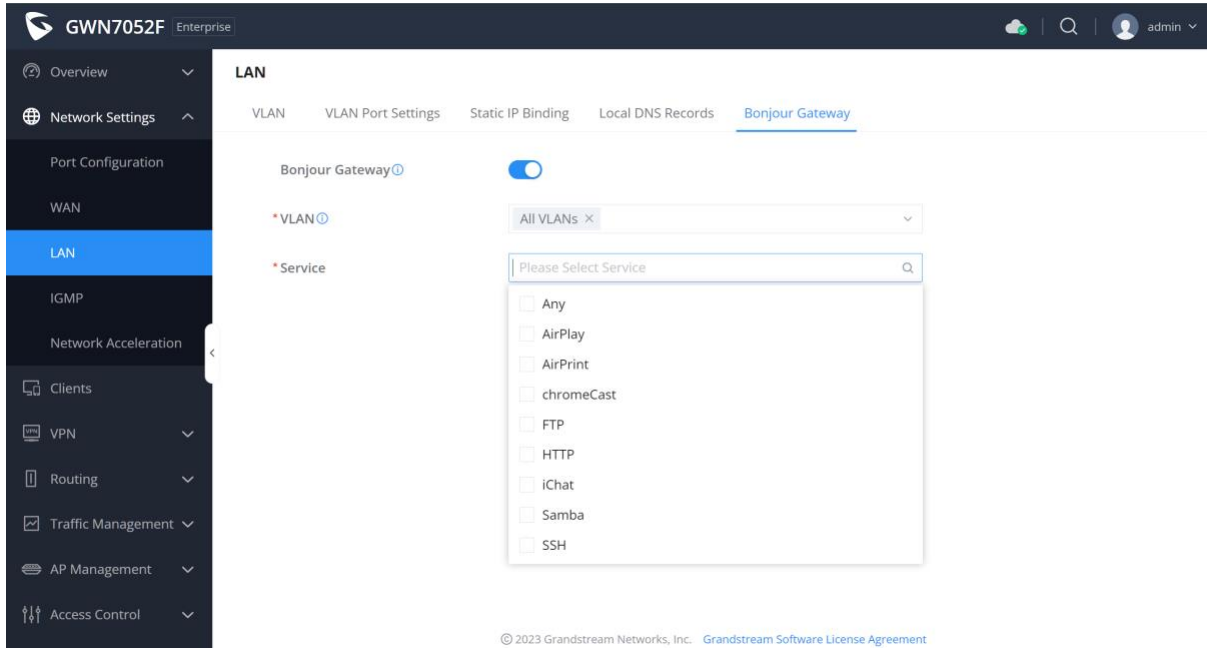
✔ Saved successfully

WireGuard® | Peers

| <input type="checkbox"/> | Name | Status | Ports | WireGuard® Address | Uptime | Upload | Download | Operations |
|--------------------------|-----------|-------------------------------------|------------|--------------------|--------|--------|----------|--|
| <input type="checkbox"/> | WG_Server | <input checked="" type="checkbox"/> | WAN1 (WAN) | | 0s | ↑ 0B | ↓ | <input type="button" value="Edit"/> <input type="button" value="Refresh"/> <input type="button" value="Delete"/> |

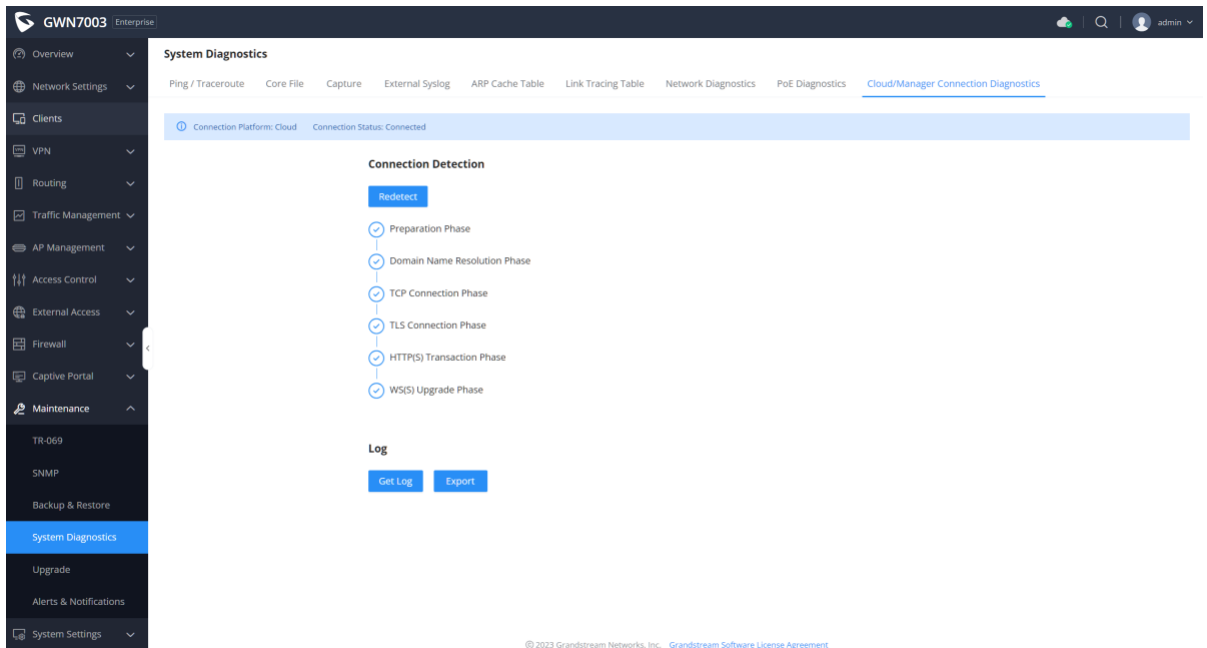
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- **mDNS Bonjour**



The screenshot shows the Grandstream web interface for device GWN7052F Enterprise. The left sidebar contains navigation options: Overview, Network Settings, Port Configuration, WAN, LAN (highlighted), IGMP, Network Acceleration, Clients, VPN, Routing, Traffic Management, AP Management, and Access Control. The main content area is titled 'LAN' and includes sub-tabs for VLAN, VLAN Port Settings, Static IP Binding, Local DNS Records, and Bonjour Gateway. The Bonjour Gateway is currently enabled. A dropdown menu for 'Service' is open, showing a list of services with checkboxes: Any, AirPlay, AirPrint, chromeCast, FTP, HTTP, iChat, Samba, and SSH. The footer contains the copyright notice: © 2023 Grandstream Networks, Inc. Grandstream Software License Agreement.

- **Cloud/Manager Connection Diagnostics**



The screenshot shows the Grandstream web interface for device GWN7003 Enterprise. The left sidebar contains navigation options: Overview, Network Settings, Clients, VPN, Routing, Traffic Management, AP Management, Access Control, External Access, Firewall, Captive Portal, Maintenance, TR-069, SNMP, Backup & Restore, System Diagnostics (highlighted), Upgrade, Alerts & Notifications, and System Settings. The main content area is titled 'System Diagnostics' and includes sub-tabs for Ping / Traceroute, Core File, Capture, External Syslog, ARP Cache Table, Link Tracing Table, Network Diagnostics, PoE Diagnostics, and Cloud/Manager Connection Diagnostics. The Cloud/Manager Connection Diagnostics sub-tab is active, showing 'Connection Platform: Cloud' and 'Connection Status: Connected'. Below this, a 'Connection Detection' section shows a vertical flow of steps: Redetect, Preparation Phase, Domain Name Resolution Phase, TCP Connection Phase, TLS Connection Phase, HTTP(S) Transaction Phase, and WS(S) Upgrade Phase. A 'Log' section at the bottom has 'Get Log' and 'Export' buttons. The footer contains the copyright notice: © 2023 Grandstream Networks, Inc. Grandstream Software License Agreement.

FIRMWARE VERSION 1.0.3.5

PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

DATE

9/19/2023

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

8/8/2023

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

6/13/2023

FIRMWARE FILE INFORMATION

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

CHANGES/ENHANCEMENT

- This is the first release of GWN700X