

# GWN700X 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 1.0.5.30

### PRODUCT NAME

GWN7001 / GWN7002 / GWN7003

### DATE

1/23/2024

### FIRMWARE FILE INFORMATION

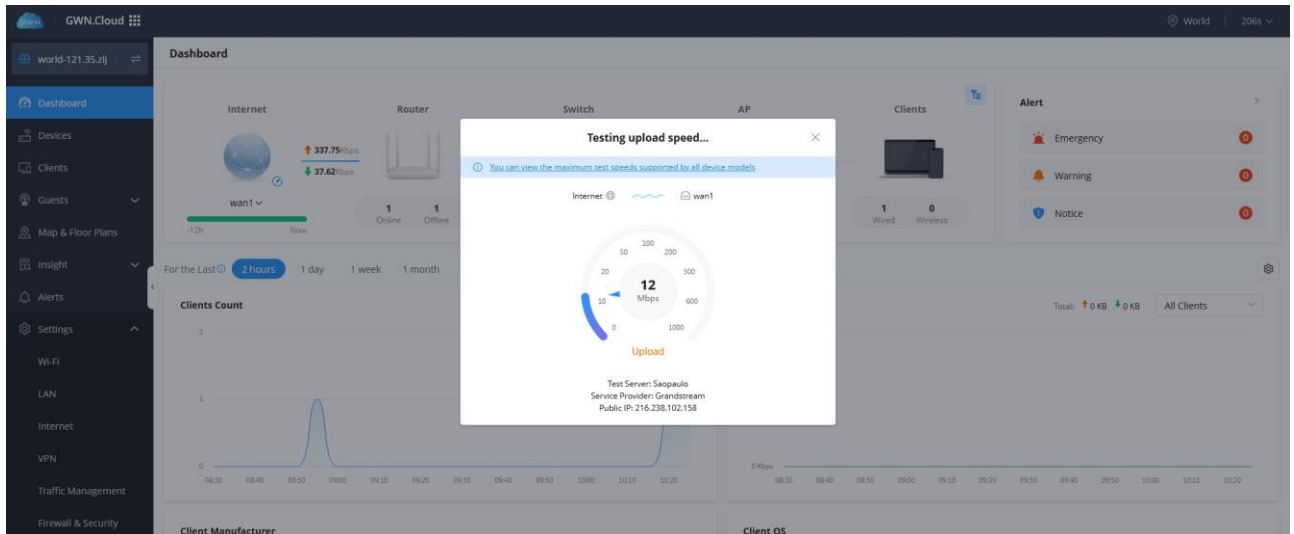
- GWN700x Firmware file name: gwn700xfw.bin  
MD5 checksum: 9b9daf917dd0d0b869ed01524e4e683a

### 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.

## **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

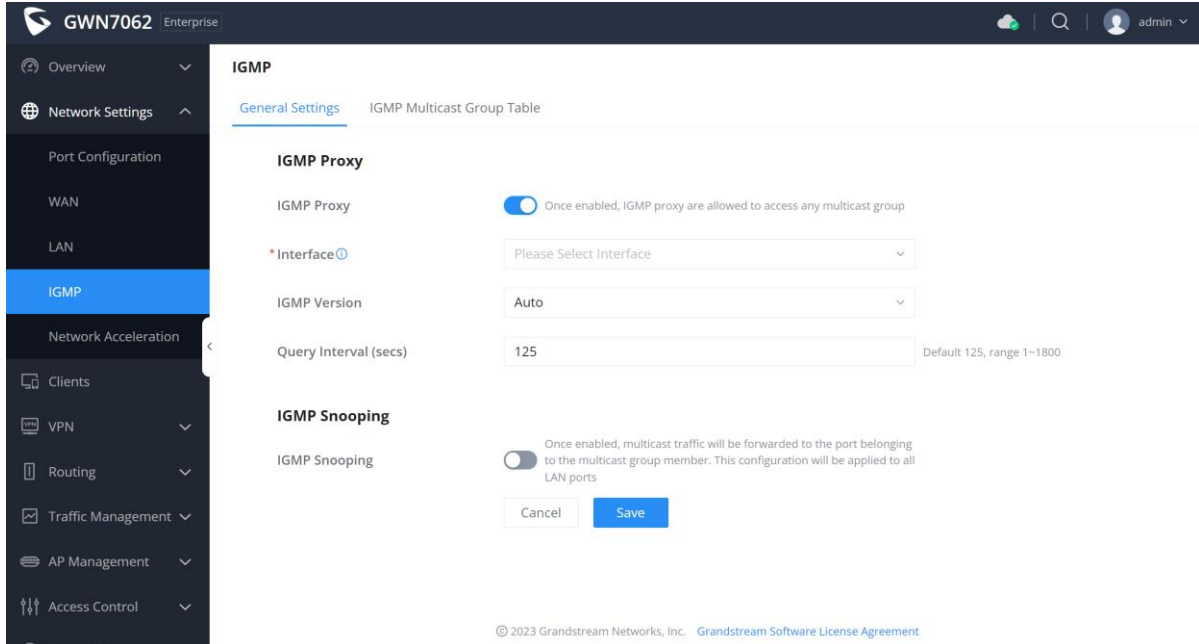


- Added support of VPN cert backup and restore
- Added support of scheduling for SSID bandwidth limit and policy routing
- Added support of filtering clients by VLAN ID
- Added support of more Cloud Features: Portal, VPN, Policy Routing, Modifying web Password, Certification management, WAN Health, WAN 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

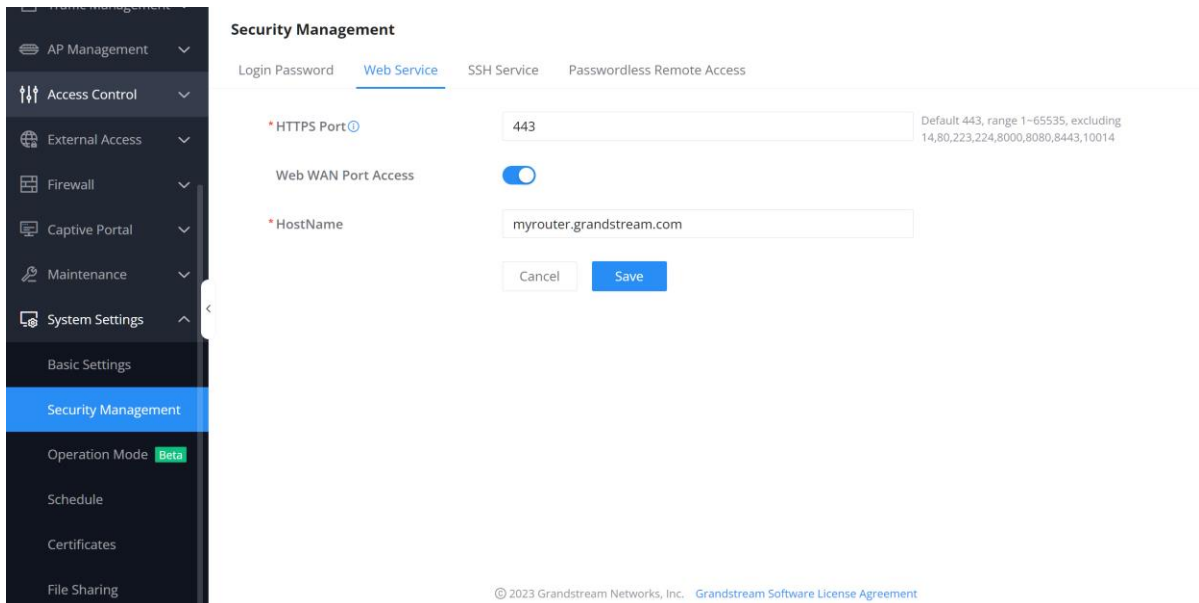
- **IGMP**

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

Once enabled, clients under the VLAN will be allowed to access the Internet using their IP addresses.

IPv4 Routed Subnet

\*Interface

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

**GWN7052F Enterprise** | admin

**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**

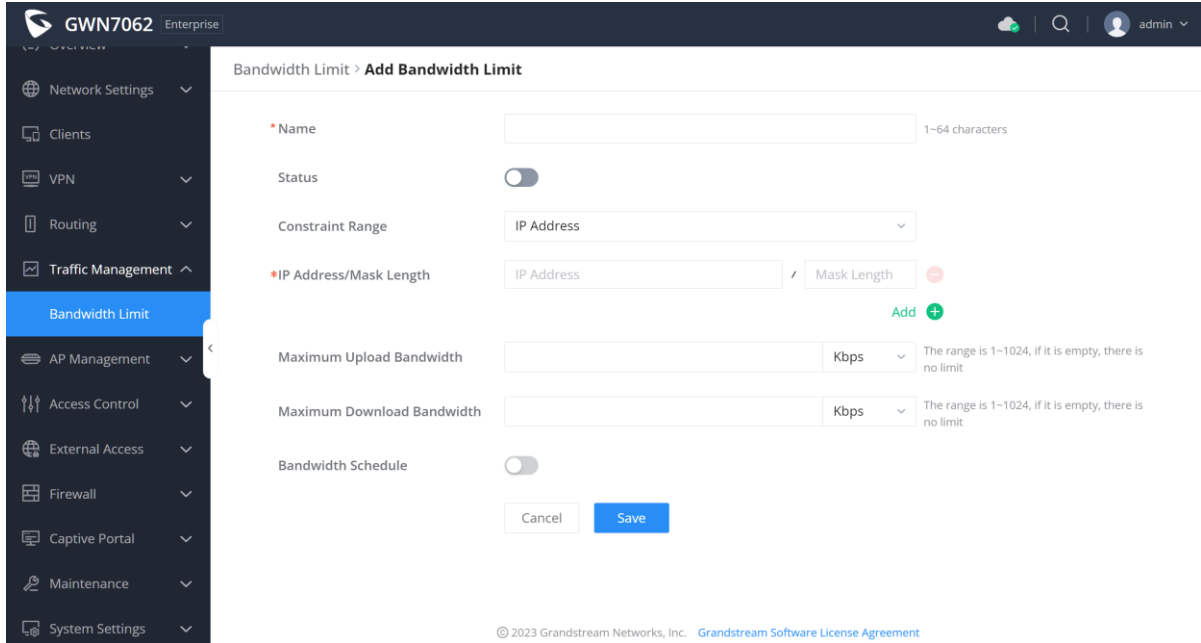
Configuration is available at Network Settings → WAN → Edit WAN

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**

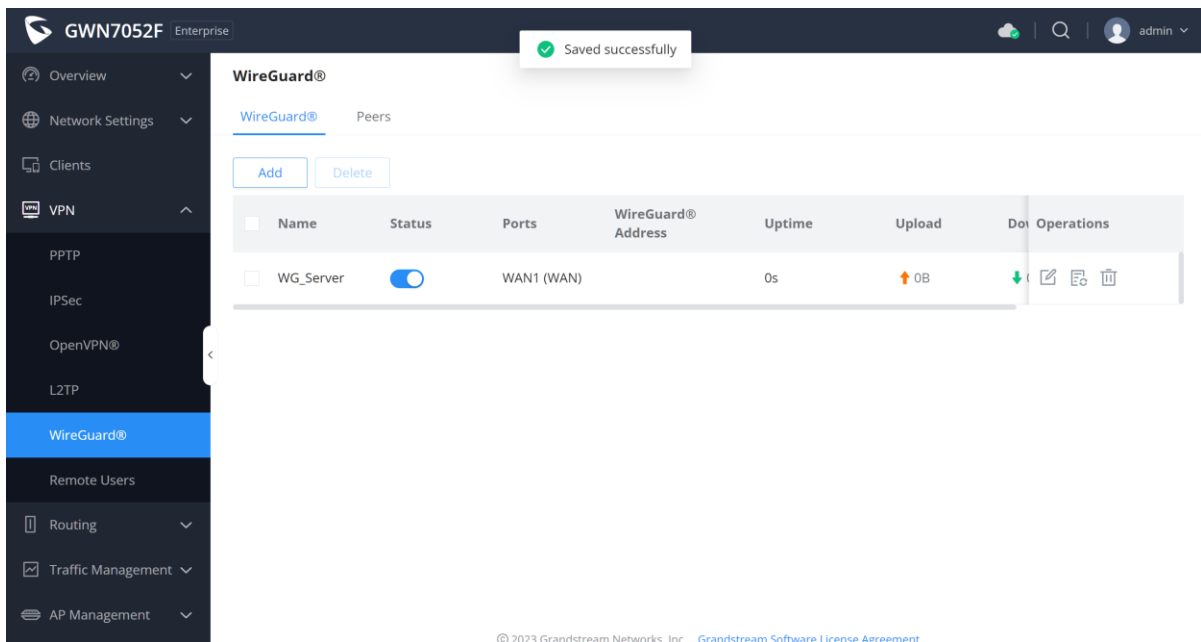


The screenshot shows the 'Add Bandwidth Limit' configuration page in the Grandstream UI. The left sidebar contains a navigation menu with 'Bandwidth Limit' selected. The main content area includes the following fields:

- Name:** Text input field with a 1-64 character limit.
- Status:** Toggle switch.
- Constraint Range:** Dropdown menu set to 'IP Address'.
- \*IP Address/Mask Length:** Two input fields for 'IP Address' and 'Mask Length', with an 'Add +' button.
- Maximum Upload Bandwidth:** Input field with a 'Kbps' dropdown. Note: 'The range is 1-1024, if it is empty, there is no limit'.
- Maximum Download Bandwidth:** Input field with a 'Kbps' dropdown. Note: 'The range is 1-1024, if it is empty, there is no limit'.
- Bandwidth Schedule:** Toggle switch.

Buttons for 'Cancel' and 'Save' are at the bottom. A footer note reads: © 2023 Grandstream Networks, Inc. Grandstream Software License Agreement

- **WireGuard®**

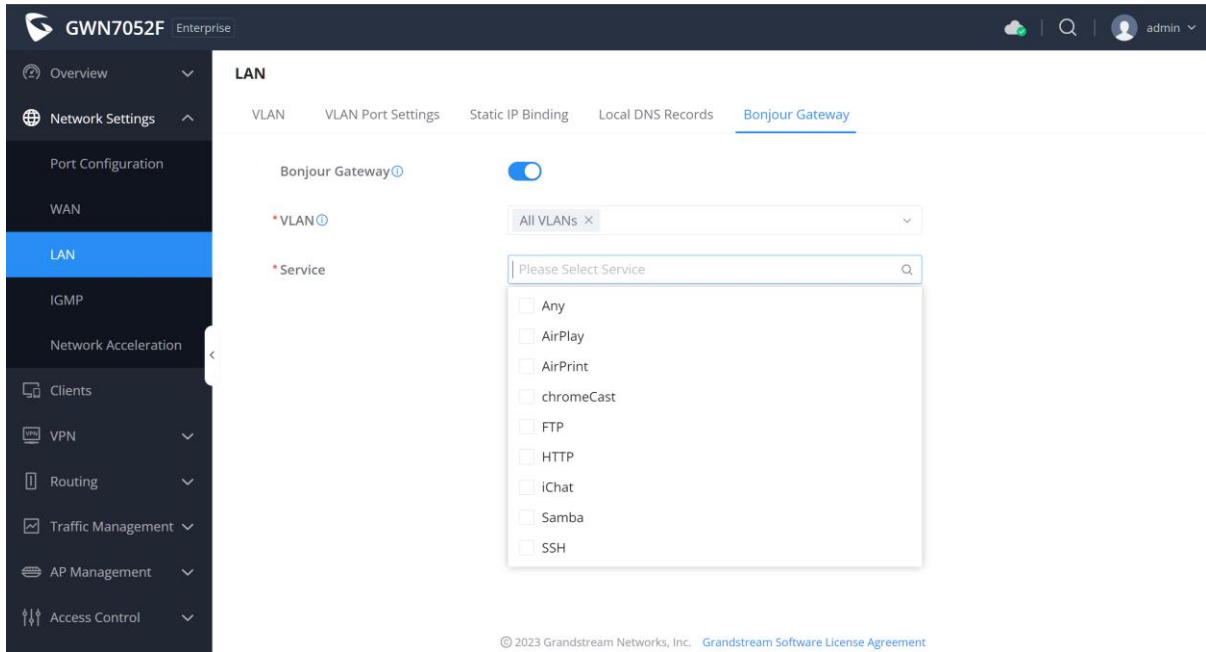


The screenshot shows the 'WireGuard®' configuration page in the Grandstream UI. A 'Saved successfully' notification is visible at the top. The left sidebar shows 'WireGuard®' selected under the VPN section. The main content area displays a table of peers:

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

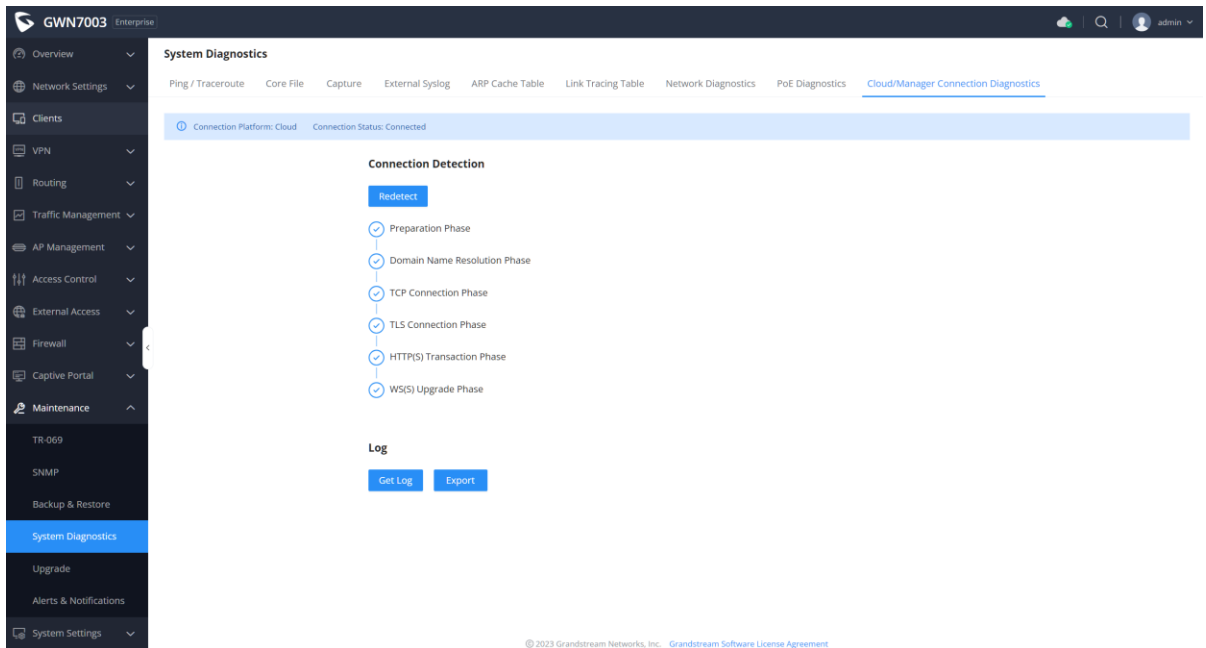
Buttons for 'Add' and 'Delete' are located above the table. A footer note reads: © 2023 Grandstream Networks, Inc. Grandstream Software License Agreement

- **mDNS Bonjour**



The screenshot shows the configuration page for the Bonjour Gateway on a Grandstream GWN7052F Enterprise device. The interface includes a left-hand navigation menu with options like 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 is titled 'LAN' and has sub-tabs for VLAN, VLAN Port Settings, Static IP Binding, Local DNS Records, and Bonjour Gateway. The Bonjour Gateway is currently enabled (toggle is on). Below this, there are fields for 'VLAN' (set to 'All VLANs') and 'Service'. A dropdown menu for 'Service' is open, showing a search bar and a list of services with checkboxes: Any, AirPlay, AirPrint, chromeCast, FTP, HTTP, iChat, Samba, and SSH. At the bottom of the page, there is a copyright notice: © 2023 Grandstream Networks, Inc. Grandstream Software License Agreement.

- **Cloud/Manager Connection Diagnostics**



The screenshot shows the 'System Diagnostics' page for a Grandstream GWN7003 Enterprise device. The left-hand navigation menu includes 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 (selected), Upgrade, Alerts & Notifications, and System Settings. The main content area is titled 'System Diagnostics' and has 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 a status bar with 'Connection Platform: Cloud' and 'Connection Status: Connected'. Below this, there is a 'Connection Detection' section with a 'Redetect' button and a vertical list of phases, each with a checkmark: 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. At the bottom of the page, there is a 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