

# GCC601X UC + Networking Convergence Solutions

## System Firmware Release Notes

### IMPORTANT UPGRADING NOTE

- [12/6/2024] [1.0.5.5 (SYS)] Due to changes in Application Filtering, users will no longer be able to downgrade to SYS 1.0.3.x or lower and PBX 1.0.25.41 or lower after upgrading to 1.0.5.5.
- [8/21/2024] [1.0.1.34(SYS)] Supported new GCC601x models and blocked firmware downgrade to any older firmware than 1.0.1.34.
- [7/26/2024] [1.0.1.32(SYS)] Changed the default value from Enable to Disable for **“Allow DHCP Option 43 and 66 to Override Server”** and **“Check/Download New Firmware at Bootup”**. Upon upgrading from older version, these two options will be disabled. Please re-enable it if needed.

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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 1.0.5.11(SYS)

### PRODUCT NAME

GCC6010, GCC6010W, GCC6011

### DATE

1/13/2025

### FIRMWARE FILE INFORMATION

- GCC601x system firmware file name: gcc601xfw.bin  
MD5 checksum: 6f06b8ba6b41fa9c7ca704b5b68fce3e
- GCC601x complete firmware file name: gcc601xfullyfw.bin (Supported only starting from 1.0.3.5)  
MD5 checksum: 39c3816a7734cfd4c9aa94f1228a83cd  
(Including SYS 1.0.5.11 + PBX 1.0.27.17)

### CHANGES/ENHANCEMENT

- Internal bug fixes

## FIRMWARE VERSION 1.0.5.6(SYS)

### PRODUCT NAME

GCC6010, GCC6010W, GCC6011

### DATE

12/6/2024

### FIRMWARE FILE INFORMATION

- GCC601x system firmware file name: gcc601xfw.bin  
MD5 checksum: 0815d1f0a1e272e6d3b6b0216aedb870
- GCC601x complete firmware file name: gcc601xfullyfw.bin (Supported only starting from 1.0.3.5)  
MD5 checksum: 1b19dcb30ead367939324922dbe85d20  
(Including SYS 1.0.5.6 + PBX 1.0.27.14)

### CHANGES/ENHANCEMENT

- [Home] Added Operation Log page.
- [Home] Added the ability to schedule regular backups under the *Maintenance* → *Backup & Restore* page.
- [Home] Added support for MTA email method.
- [Networking] Added support for load balancing strategies under the *Routing* → *Policy Routes* page.
- [Networking] Added support for VRRP.
- [Networking] VPN settings are now retained after closing VPN.
- [Networking] DNS filtering now supports filtering by SNI and common name in the certificate.
- [Networking] IPsec is now limited to 64 tunnels.
- [Networking] Added support for connection speed test with GWN Cloud.
- [Networking] Added support for receiving PPSK configurations from GWN Cloud.
- [Firewall] Added ability to configure outbound traffic rules under the *Firewall Policy* → *Traffic Rules* page.

- [Firewall] IDS/IPS detection settings will now be applied to all WAN interfaces. Interfaces can no longer be excluded.
- [Firewall] Added support for SMTP(S) and POP3(S) detection protocols.
- [Firewall] Added support for importing and exporting SSL proxy exemption lists.
- [Firewall] Added ability to schedule the automatic turning on/off of DNS filtering, web filtering, and application filtering.
- [Firewall] Added support for Geo-IP filtering.
- [Firewall] SSL exemption list now supports wildcard input.
- [Firewall] Added security log risk levels and corresponding filters.
- [Firewall] Added *Application List* tab to the [Application Filtering] section. This page will show a list of all monitored applications and their corresponding risk levels.
- [Network Nodes] Added support for 6GHz band in the SSID, Radio, and Mesh settings.
- [UC Endpoints] Fast Provision will now also include the PBX module's local LDAP phonebook information.
- Several bug fixes.

## FIRMWARE VERSION 1.0.3.6(SYS)

### PRODUCT NAME

GCC6010, GCC6010W, GCC6011

### DATE

10/8/2024

### FIRMWARE FILE INFORMATION

- GCC601x system firmware file name: gcc601xfw.bin  
MD5 checksum: 25957d6a84dd13b2976c6d08ae386221
- GCC601x complete firmware file name: gcc601xfullyfw.bin (Supported only starting from 1.0.3.5)  
MD5 checksum: dd0e37ef081abf11ea56151029724fc0  
(Including SYS 1.0.3.6 + PBX 1.0.25.41)

### CHANGES/ENHANCEMENT

- [Home] Fixed an issue that offline device disappears from Network Topology
- [Networking] Fixed an issue that on GCC6010 SFP1 only supports maximum 1G bandwidth. Now it opens to 2.5G.
- Internal bug fixes.



## FIRMWARE VERSION 1.0.3.5(SYS)

### PRODUCT NAME

GCC6010, GCC6010W, GCC6011

### DATE

9/20/2024

### FIRMWARE FILE INFORMATION

- GCC601x system firmware file name: gcc601xfw.bin  
MD5 checksum:   bbcd081cb648443fd7e9cac33e5ff333
- GCC601x complete firmware file name: gcc601xfullyfw.bin (Supported only starting from 1.0.3.5)  
MD5 checksum:   89d6b124242b06bf2e82790b5929a0fc  
(Including SYS 1.0.3.5 + PBX 1.0.25.40)

### CHANGES/ENHANCEMENT

- [Home] Added support for formatting M.2 SSD
- [Home] Added support of **Real-time Session Statistics** in Overview page
- [Home] Added support of **Show Offline Device** in Topology page
- [Home] Added configuration of **Redirect from Port 80** in System Settings → Security Settings → Web Access
- [Home] Added support of complete firmware upgrade to upgrade both System and PBX firmware by one .bin file
- [Home] Fixed the bug that prompts “internal error” when performing “Detect New Version” in firmware Upgrade
- [Networking] Allowed same VLAN ID configuration on different WANs
- [Networking] Changed IPv6 MTU minimum value to 1280
- [Networking] Added **WAN Port MAC address** configuration

- [Networking] Added **Blackhole** option for Static Routes → Outgoing Interface
- [Networking] Added **PBX Service** configurations for Traffic Management → QoS → VoIP Settings
- [Networking] Added support of batch delete to Maintenance → System Diagnostics → Core File
- [Networking] Added support of saving capture on attached storage under Maintenance → System Diagnostics → Capture
- [Networking] Added **Takeover / Un-Takeover Switch Alert** option into Maintenance → Alerts & Notifications → E-mail Notification Settings
- [Networking] Fixed the bug that WAN related configurations are deleted when disabling WAN
- [Networking] Enforced minimum 1 LAN port when disabling Port under Network Settings → Port Configuration
- [Networking] Supported exporting pem format certificate in System Settings → Certificates
- [Firewall] Added support of **Static ARP List** under Security Defense → ARP Protection
- [Firewall] Moved Spoofing Defense from DoS Defense to ARP Protection
- [Firewall] Added support of **IP Exception** to Content Control
- [Firewall] Added search feature in Content Control → Application Filtering → App Filtering Rules
- [Firewall] UI optimization
- Internal bug fixes.

## **FIRMWARE VERSION 1.0.1.34(SYS)**

### **PRODUCT NAME**

GCC6010, GCC6010W, GCC6011

### **DATE**

8/21/2024

### **FIRMWARE FILE INFORMATION**

- GCC601x system firmware file name: gcc601xfw.bin  
MD5 checksum: 2736f9bd5a51e24e53857546887a22ec

### **CHANGES/ENHANCEMENT**

- Added support of new models, GCC6010W, GCC6011
- Blocked system firmware downgrade to any older version
- Internal bug fixes.

## FIRMWARE VERSION 1.0.1.32(SYS)

### PRODUCT NAME

GCC6010

### DATE

7/26/2024

### FIRMWARE FILE INFORMATION

- GCC6010 system firmware file name: gcc601xfw.bin  
MD5 checksum: 3b6810c23b4ee941c534649ef84d41ea

### CHANGES/ENHANCEMENT

- Resolved the Tiktok Live streaming issue when Antivirus is enabled.
- Changed the default value from Enable to Disable for “**Allow DHCP Option 43 and 66 to Override Server**” and “**Check/Download New Firmware at Bootup**”. Upon upgrade from older version, these two options will be disabled, please re-enable it if needed.
- Changed the default value from 10sec to 300sec for all **Flood Attack Defense** timeout settings.
- Changed the default action to **Drop** for WAN **Inbound Rules** under **Firewall Policy**.
- Updated the DPI library, latest library is not compatible with SYS version lower than 1.0.1.32.
- Updated the IPS, URL, and Antivirus signature library.
- Internal bug fixes.

## FIRMWARE VERSION 1.0.1.10(SYS)

### PRODUCT NAME

GCC6010

### DATE

6/28/2024

### FIRMWARE FILE INFORMATION

- GCC6010 system firmware file name: gcc601xfw.bin  
MD5 checksum: c3b812966176a904282000ab622f3011

### CHANGES/ENHANCEMENT

- Disable **Check/Download New Firmware at Bootup** by default.
- Internal bug fixes.

## **FIRMWARE VERSION 1.0.1.8(SYS)**

### **PRODUCT NAME**

GCC6010

### **DATE**

6/4/2024

### **FIRMWARE FILE INFORMATION**

- GCC6010 system firmware file name: gcc601xfw.bin  
MD5 checksum: 0294ea7965254b2e99d10a5399bfd05b

### **CHANGES/ENHANCEMENT**

- This is the initial release of GCC6010 system firmware.