

## GRANDSTREAM

GRANDSTREAM  
GCC601X  
UC/Networking  
Convergence



# GRANDSTREAM GCC601X UC/Networking Convergence User Manual

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## GRANDSTREAM

### GRANDSTREAM GCC601X UC/Networking Convergence



## Technical Specifications

### GCC6010 Technical Specifications

Network Ports	2 x 2.5 Gigabit SFP ports and 5 x Gigabit Ethernet ports
Auxiliary Ports	1xMicro-SD, 1xUSB 3.0, 1xReset
Memory	2GB RAM, 32GB eMMC Flash
External Storage	N/A
Router IPsec VPN Throughput	2.5Gbps
NAT Sessions	160K
IDS/IPS	900Mbps
PBX	Up to 100 users/25 concurrent calls (default 12/4)
Mounting	Desktop/Wall-mounting Metal

### GCC6010W Technical Specifications

Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax
Antennas	3 individual internal antennas (2 x dual band + 1 x Single band 5G)

## Product Usage Instructions

### Setup and Installation

1. Connect the appropriate network cables to the designated ports on the device.
2. If wall-mounting, use the provided mounting material to securely attach the device.

### Frequently Asked Questions (FAQ)

Q: How do I reset the device to factory settings?

A: To reset the device, locate the reset button on the device and press it for at least 10 seconds until the LEDs indicate a reset process.

**Grandstream Networks, Inc.**

**GCC601X**

**User Manual**

**GCC601X – User Manual**

GCC601X(W) series are defined as mid-range all-in-one convergence devices. Integrates VPN Router, NGFW, Switch or Wi-Fi AP, and IP PBX, covering the collaborative office capabilities of data communication and UC audio and video service. Featuring GbE RJ-45 and SFP ports, it enables high-speed multi-WAN port connectivity for enterprises. This series is convenient and fast to deploy and manage through the local simple Web UI, GDMS, mobile APP, or console. Support unified management and centralized control of Grandstream terminal devices including APs, Switches, and UC endpoints. It is also a security firewall that provides excellent performance and defenses against the most advanced network attacks while achieving unified management and consistent security in complex hybrid environments. Ideal for small and medium enterprises, campuses, government, hotels, remote offices/SOHO, etc.

**The GCC601x(W) combines the following modules:**

- UHome
- Networking
- Firewall
- Network Nodes
- PBX
- UC Endpoints

PRODUCT OVERVIEW

Technical Specifications

The following tables resume all the technical specifications including the hardware and the software specifications.

GCC6010 Technical Specifications

Network Ports	2 x 2.5 Gigabit SFP ports and 5 x Gigabit Ethernet ports  *All ports are WAN/LAN configurable, max 3 x WAN
Auxiliary Ports	1xMicro-SD, 1xUSB 3.0, 1xReset
Memory	2GB RAM, 32GB eMMC Flash
External Storage	N/A
Router	2.5Gbps
IPsec VPN Throughput	1Gbps
NAT Sessions	160K
IDS/IPS	900Mbps
PBX	Up to 100 users/25 concurrent calls (default 12/4)
Mounting	Desktop/Wall-mounting
Material	Metal

LEDs	7 x single LEDs and 1 x RGB LED for device tracking and status indication
Connection Type	DHCP, Static IP, PPPoE, PPTP, L2TP
Network Protocols	IPv4, IPv6, IEEE802.1Q,IEEE 802.1p, IEEE802.1x, IEEE802.3, IEEE 802.3u, IEEE 802.3x,IEEE802.3ab
QoS	VLAN, TOS  Support multiple traffic classes, filter by port, IP address, DSCP, and policing App QoS: Application/protocol monitoring and traffic statistics  VoIP Prioritization

<b>Firewall</b>	<p>DDNS, Port Forwarding, DMZ, UPnP, DoS &amp; Spoofing defense, traffic rules, NAT, ALG DPI, Anti-Virus, IPS/IDS, SSL deep inspection</p> <p>Content Control: DNS Filtering, Web url/class/content filtering, Application identification and control</p>
<b>VPN</b>	<ul style="list-style-type: none"> <li>• IPsec VPN Client-to-Site / Site-to-Site</li> <li>• Site-to-Site / Site-to-Site</li> <li>• IPsec Encryption: 3DES, AES</li> <li>• IPsec Authentication: MD5, SHA-1, SHA2-256</li> <li>• IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14</li> <li>• IPsec Protocols: ESP</li> <li>• IPsec NAT Traversal</li> <li>• PPTP VPN Server / Client</li> <li>• PPTP Encryption: MPPE 40-bit, 128-bit</li> <li>• PPTP/L2TP Authentication: MS-CHAPv1/2</li> <li>• L2TP Client-to-Site</li> <li>• OpenVPN® Server / Client</li> <li>• OpenVPN® Encryption: AES, DES</li> <li>• OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512</li> <li>• OpenVPN® Certificate: RSA</li> <li>• WireGuard®</li> </ul>
<b>Network Management</b>	GDMS, Local Web GUI, CLI (Console, Telnet) and SNMP (v1/ v2c/v3)
<b>Max AP/Clients</b>	Up to 150 GWN APs; Up to 500 Clients
<b>Power and Green Energy Efficiency</b>	<p>Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 48VDC 1A (48W);</p> <p>4 x PoE out ports IEEE802.3af/at</p> <p>Max. PoE Wattage : 36W</p>
<b>Environmental</b>	<p>Operation: 0°C to 45°C Storage: -30°C to 60°C</p> <p>Humidity: 5% to 95% Non-condensing</p>
<b>Physical</b>	<p><b>Unit Dimension:</b> 191x 101 x 29mm</p> <p><b>Unit Weight:</b> 520g</p> <p><b>Entire Package Dimension:</b> 300 x 130 x 53 mm</p> <p><b>Entire Package Weight:</b> 835g</p>

<b>Package Content</b>	GCC6010/GCC6011, Universal Power Supply, Rack mount kit (Only GCC6011), Quick Installation Guide
<b>Compliance</b>	FCC, CE, RCM, IC

<b>Wi-Fi Standards</b>	IEEE 802.11 a/b/g/n/ac/ax
<b>Antennas</b>	3 individual internal antennas ( 2 x dual band + 1 x Single band 5G) 2.4GHz: maximum gain 4.5dBi 5 GHz: maximum gain 5dBi
<b>Wi-Fi Data Rates</b>	<b>5G:</b> IEEE 802.11ax: 7.3 Mbps to 3603 Mbps IEEE 802.11ac: 6.5 Mbps to 2600 Mbps IEEE 802.11n: 6.5 Mbps to 450 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps <b>2.4G:</b> IEEE 802.11ax: 7.3 Mbps to 573.5 Mbps IEEE 802.11n: 6.5 Mbps to 300 Mbps IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps *Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment and mix of devices in the network
<b>Frequency Bands</b>	2.4GHz radio: 2400 – 2483.5 MHz (2412-2472MHz are channel central frequency range; 2400-2483.5MHz is Frequency band) 5GHz radio: 5150 – 5895 MHz *Not all frequency bands can be used in all regions
<b>Channel Bandwidth</b>	2.4G: 20 and 40 MHz 5G: 20, 40, 80, 160 MHz
<b>Wi-Fi and System Security</b>	WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device
<b>MU-MIMO</b>	2x2 2G/3x3 5G
<b>Maximum TX Power</b>	5G: 25.5dBm 2.4G: 24dBm *Maximum power varies by country, frequency band and MCS rate

<b>Receiver Sensitivity</b>	<p>2.4G</p> <p>802.11b: -97dBm@1Mbps, -89dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm @54Mbps;</p> <p>802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7;</p> <p>802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11</p> <p>5G</p> <p>802.11a: -93dBm @6Mbps, -75dBm @54Mbps;</p> <p>802.11n: 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7</p> <p>802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9;</p> <p>802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -61dBm @MCS11;802.11ax 80MHz: -58dBm @MCS11</p>
<b>Network Ports</b>	5 x Gigabit Ethernet ports
	*All ports are WAN/LAN configurable, max 3 x WAN
<b>Auxiliary Ports</b>	1xMicro-SD, 1xUSB 3.0, 1xReset

<b>Memory</b>	2GB RAM, 32GB eMMC Flash
<b>External Storage</b>	N/A
<b>Router</b>	3Gbps
<b>IPsec VPN Throughput</b>	1Gbps
<b>NAT Sessions</b>	160K
<b>IDS/IPS</b>	900Mbps
<b>PBX</b>	Up to 100 users/25 concurrent calls (default 10/4)
<b>Mounting</b>	Desktop
<b>Material</b>	Plastic Mini-Tower
<b>LEDs</b>	9 x LEDs for device tracking and status indication
<b>Connection Type</b>	DHCP, Static IP, PPPoE, PPTP, L2TP
<b>Network Protocols</b>	IPv4, IPv6, IEEE802.1Q, IEEE 802.1p, IEEE802.1x, IEEE802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3ab
<b>QoS</b>	<p>VLAN, TOS</p> <p>Support multiple traffic classes, filter by port, IP address, DSCP, and policing App QoS: Application/protocol monitoring and traffic statistics</p> <p>VoIP Prioritization</p>

<b>Firewall</b>	<p>DDNS, Port Forwarding, DMZ, UPnP, DoS &amp; Spoofing defense, traffic rules, NAT, ALG DPI, Anti-Virus, IPS/IDS, SSL deep inspection</p> <p>Content Control: DNS Filtering, Web url/class/content filtering, Application identification and control</p>
<b>VPN</b>	<ul style="list-style-type: none"> <li>• IPsec VPN Client-to-Site / Site-to-Site</li> <li>• IPsec Encryption: 3DES, AES</li> <li>• IPsec Authentication: MD5, SHA-1, SHA2-256</li> <li>• IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14</li> <li>• IPsec Protocols: ESP</li> <li>• IPsec NAT Traversal</li> <li>• PPTP VPN Server / Client</li> <li>• PPTP Encryption: MPPE 40-bit, 128-bit</li> <li>• PPTP/L2TP Authentication: MS-CHAPv1/2</li> <li>• L2TP Client-to-Site</li> <li>• OpenVPN® Server / Client</li> <li>• OpenVPN® Encryption: AES, DES</li> <li>• OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512</li> <li>• OpenVPN® Certificate: RSA</li> <li>• WireGuard®</li> </ul>
<b>Network Management</b>	GDMS, Local Web GUI, CLI (Console, Telnet) and SNMP (v1/v2c/v3)
<b>Max AP/Clients</b>	Up to 150 GWN APs; Up to 500 Clients
<b>Power and Green Energy Efficiency</b>	<p>Universal power adaptor included: Input 100-240VAC 50-60Hz</p> <p>Output: 48VDC 1A (48W)</p>

	PoE: N/A
<b>Environmental</b>	<p>Operation: 0°C to 45°C Storage: -30°C to 60°C</p> <p>Humidity: 5% to 95% Non-condensing</p>
<b>Physical</b>	<p><b>Unit Dimension:</b> 95 x 95 x 193 mm</p> <p><b>Unit Weight:</b> 565g</p> <p><b>Entire Package Dimension:</b> 186 x 127 x 105 mm</p> <p><b>Entire Package Weight:</b> 920g</p>
<b>Package Content</b>	GCC6010W, Universal Power Supply, Quick Installation Guide
<b>Compliance</b>	FCC, CE, RCM, IC

## GCC6011 Technical Specifications

<b>Network Ports</b>	2 x 2.5 Gigabit SFP port and 10 x Gigabit Ethernet ports *Fixed 3 x WAN
<b>Auxiliary Ports</b>	1xMicro-SD, 1xUSB 3.0, 1xReset
<b>Memory</b>	2GB RAM, 32GB eMMC Flash
<b>External Storage</b>	Optional, up to 1T M.2 SSD
<b>Router</b>	2.5Gbps
<b>IPsec VPN Throughput</b>	1Gbps
<b>NAT Sessions</b>	160K
<b>IDS/IPS</b>	900Mbps
<b>PBX</b>	Up to 100 users/25 concurrent calls (default 12/4)
<b>Mounting</b>	Desktop/Wall/Rack-mounting
<b>Material</b>	Metal
<b>LEDs</b>	12 x single LEDs and 1 x RGB LED for device tracking and status indication
<b>Connection Type</b>	DHCP, Static IP, PPPoE, PPTP, L2TP
<b>Network Protocols</b>	IPv4, IPv6, IEEE802.1Q, IEEE 802.1p, IEEE802.1x, IEEE802.3, IEEE 802.3u, IEEE 802.3x, IEEE802.3ab
<b>QoS</b>	VLAN, TOS Support multiple traffic classes, filter by port, IP address, DSCP, and policing App QoS: Application/protocol monitoring and traffic statistics VoIP Prioritization
<b>Firewall</b>	DDNS, Port Forwarding, DMZ, UPnP, DoS & Spoofing defense, traffic rules, NAT, ALG DPI, Anti-Virus, IPS/IDS, SSL deep inspection
	Content Control: DNS Filtering, Web url/class/content filtering, Application identification and control



<b>VPN</b>	<ul style="list-style-type: none"> <li>• IPsec VPN</li> <li>• N Client-to-Site / Site-to-Site</li> <li>• IPSec Encryption: 3DES, AES</li> <li>• IPSec Authentication: MD5, SHA-1, SHA2-256</li> <li>• IPSec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14</li> <li>• IPSec Protocols: ESP</li> <li>• IPSec NAT Traversal</li> <li>• PPTP VPN Server / Client</li> <li>• PPTP Encryption: MPPE 40-bit, 128-bit</li> <li>• PPTP/L2TP Authentication: MS-CHAPv1/2</li> <li>• L2TP Client-to-Site</li> <li>• OpenVPN® Server / Client</li> <li>• OpenVPN® Encryption: AES, DES</li> <li>• OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512</li> <li>• OpenVPN® Certificate: RSA</li> <li>• WireGuard</li> </ul>
<b>Network Management</b>	GDMS, Local Web GUI, CLI (Console, Telnet) and SNMP (v1/ v2c/v3)
<b>Max AP/Clients</b>	Up to 150 GWN APs; Up to 500 Clients
<b>Power and Green Energy Efficiency</b>	<p>Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 48VDC 1A (48W)</p> <p>4 x PoE out ports IEEE802.3af/at</p> <p>Max. PoE Wattage : 36W</p>
<b>Environmental</b>	<p>Operation: 0°C to 45°C Storage: -30°C to 60°C</p> <p>Humidity: 5% to 95% Non-condensing</p>
<b>Physical</b>	<p><b>Unit Dimension:</b> 280 x 180 x 44 mm</p> <p><b>Unit Weight:</b> 1200g</p> <p><b>Entire Package Dimension:</b> 366 x 211 x 53 mm</p> <p><b>Entire Package Weight:</b> 1600g</p>
<b>Package Content</b>	GCC6010/GCC6011, Universal Power Supply, Rack mount kit (Only GCC6011), Quick Installation Guide
<b>Compliance</b>	FCC, CE, RCM, IC

## INSTALLATION

Before deploying and configuring the GCC601X(W) device, the device needs to be properly powered up and

connected to the network. This section describes detailed information on the installation, connection, and warranty policy of the GCC601X(W) device.

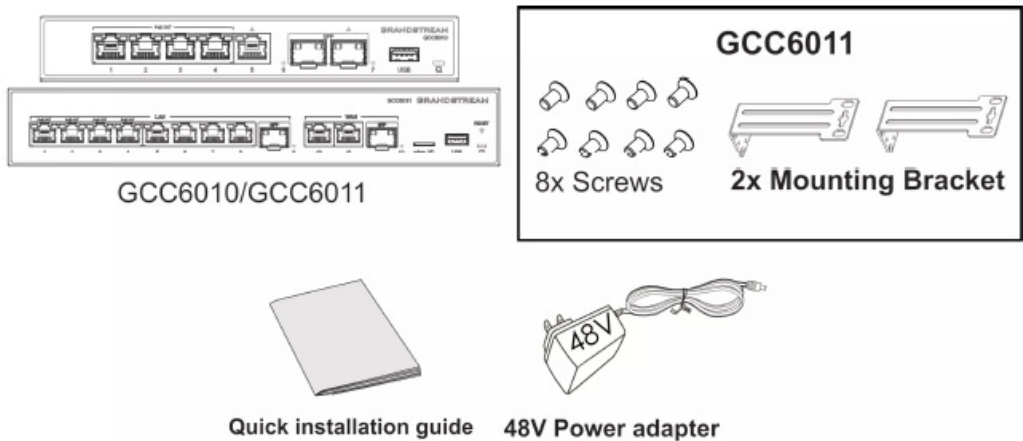
Package Content

GCC601X(W)	1
Power Adaptor	1
Ethernet Cable	With GCC6010W only.
Rack Mount Kit	with GCC6011 only.

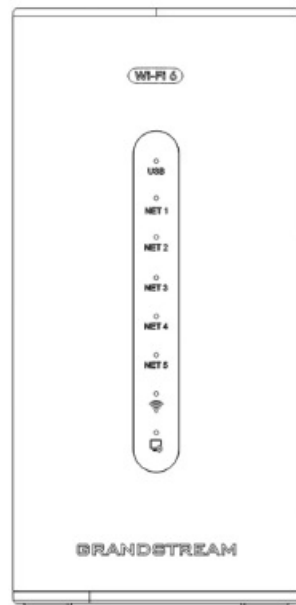
Simplified Quick Installation Guide	1
-------------------------------------	---

GCC6010/GCC6011 Package Content

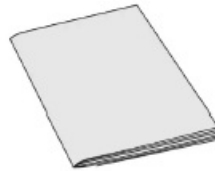


GCC6010/GCC6011 Package Content

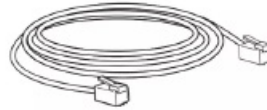
GCC6010W Package Content



GCC6010W



Quick installation guide



Ethernet cable



12V Power adapter

*GCC6010W Package Content*

#### **Note:**

Check the package before installation. If you find anything missing, contact your system administrator.

#### **Connect Your GCC601X(W) Device**

#### **Safety Compliances**

The GCC601X(W) complies with FCC/CE and various safety standards. The GCC601X(W) power adapter is compliant with the UL standard. Use the universal power adapter provided with the GCC601X(W) package only. The manufacturer's warranty does not cover damages to the device caused by unsupported power adapters.

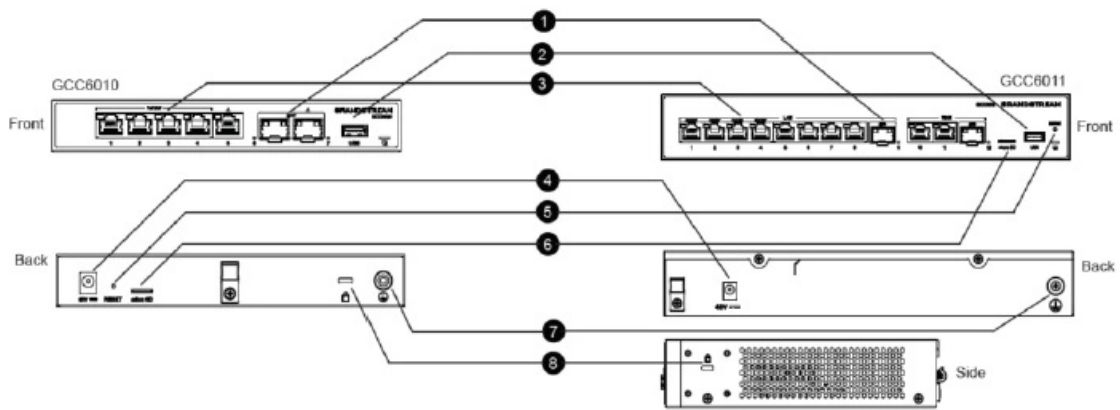
#### **Warranty**

If the GCC601X(W) device was purchased from a reseller, please contact the company where the device was purchased for replacement, repair, or refund. If the device was purchased directly from Grandstream, contact our Technical Support Team for an RMA (Return Materials Authorization) number before the product is returned. Grandstream reserves the right to remedy the warranty policy without prior notification.

#### **Warning**

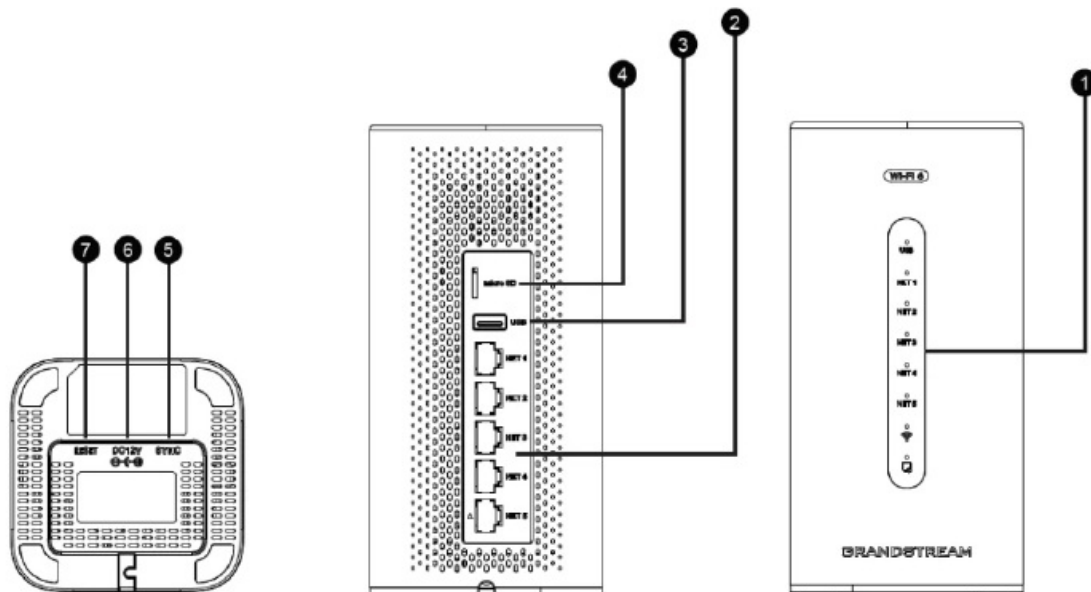
Use the power adapter provided with the GCC601X(W) device. Do not use a different power adapter as this may damage the device. This type of damage is not covered under warranty.

#### **Connecting GCC601X**



1	2.5G SFP Port
2	USB 3.0
3	Ethernet Port
4	DC48V
5	RESET
6	Micro SD
7	Ground Terminal
8	Kensington Lock

### Connecting GCC601XW

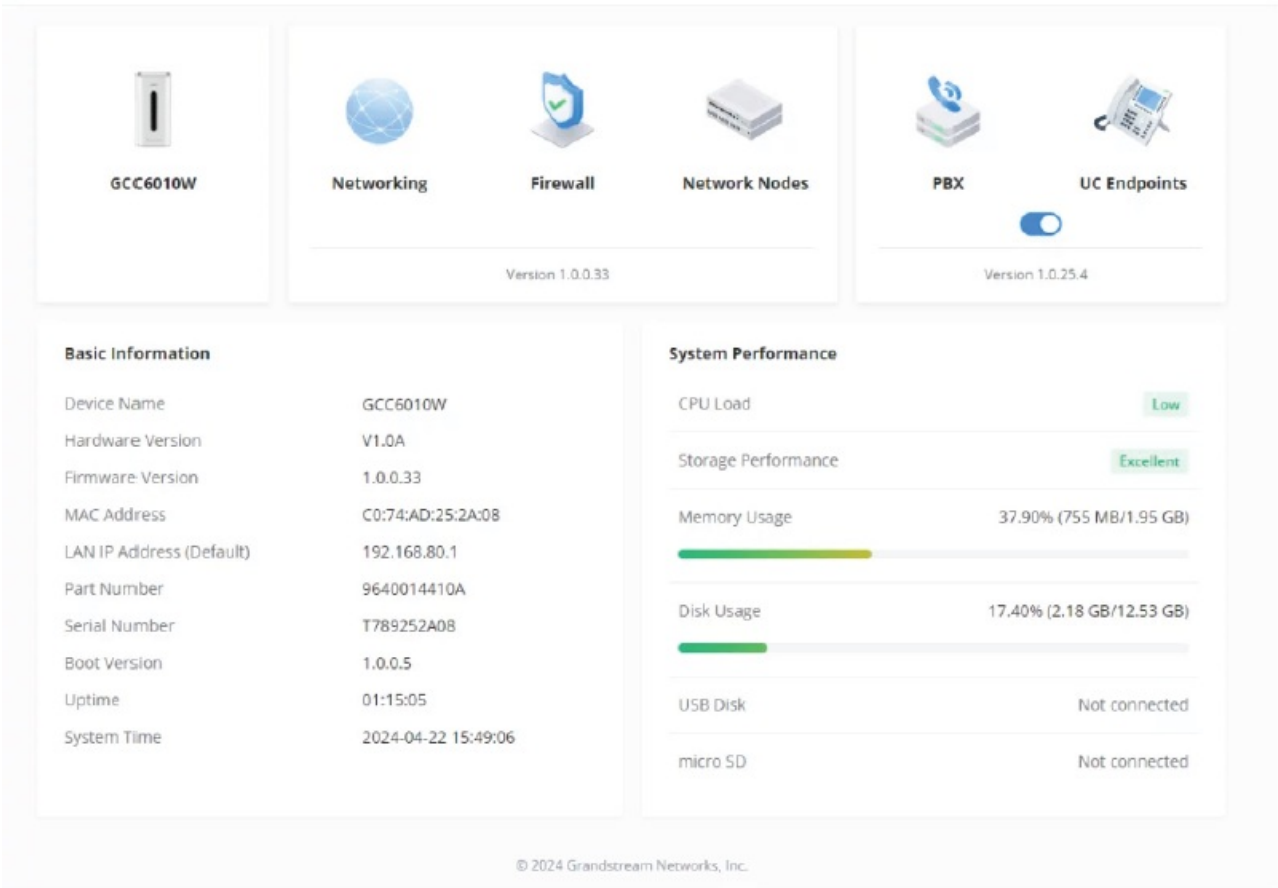


1	LED Indicators
2	NET Ports
3	USB 3.0 Port
4	Micro SD
5	Sync APs Button
6	DC12V
7	RESET Button

HOME

Overview

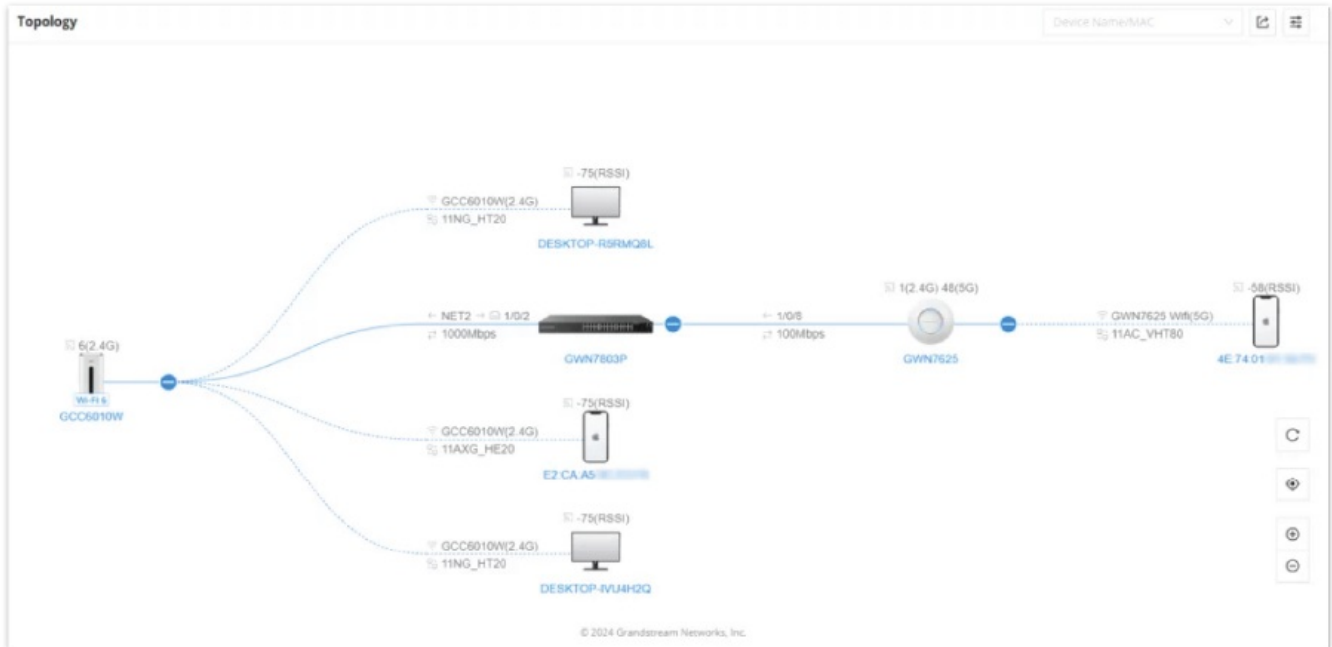
In this section, the user can view general information about the GCC60XX device. The information displayed includes basic information like the device name, hardware version, firmware version, MAC address, IP address, part number, serial number, boot version, uptime, and system time. It also shows the firmware version of each module and whether a new firmware update for a module is detected. In addition to that, it shows the general system performance of the device by displaying the CPU load rate, the storage performance rating, the percentage of the memory utilized.



GCC601X Overview Page

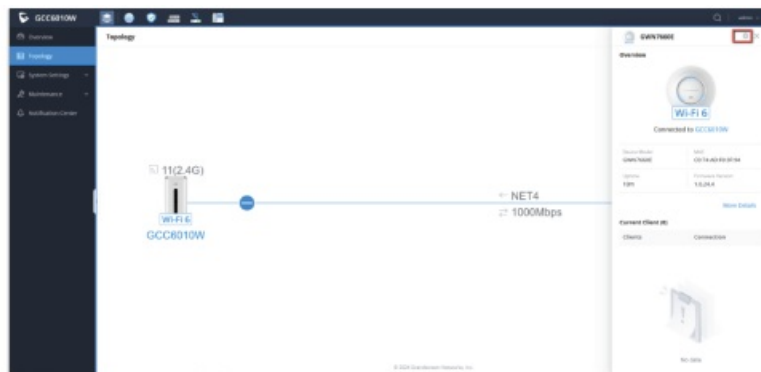
Topology

In this section, the administrator can view the topology of the Grandstream networking device connected to the GCC device.



Topology

When clicking on the highlighted icon below, the user can view the device details and settings



AP Management - Configure

Device Name: GWN7603P (1-M characters)

Status: On

Static IP: On

Band: 2.4GHz (802.11b/g/n/ax)

Channel: 11(2.4G)

Radio Power: 100mW

Minimum RSSI: -75

Minimum Rate: 11(2.4G)

Wi-Fi 6 Compatibility Mode: Off

Cancel Save

AP Settings

To filter the types of devices that are shown on the topology click on

Highlight Mesh AP

Clients

☒ 2.4G Wi-Fi

☒ 5G Wi-Fi

☒ 6G Wi-Fi

☒ Wired

Wireless

☒ Channel

☒ RSSI

☒ SSID

☒ Station Mode

Wired

☒ Port In / Port Out

Topology Filter

## System Settings

In this section, the user can configure settings related to the general operations of the device.

### Basic Settings

In this configuration tab, the user can define certain information about the GCC device. This includes device name, country/region, time zone, NTP server, and language.

admin

Basic Settings

Basic SettingsManager Server Settings

• Device Name

GCC6010W

1-32 characters, including letters, digits, and underscores

Country / Region

United States

Time Zone

(UTC-06:00) America/Chicago

• NTP Server

pool.ntp.org

IPv4 or URL address

Language

English

Cancel

Save

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Basic Settings

## Manager Server Settings

admin

Basic Settings

Basic SettingsManager Server Settings

Manager Server Settings

Manager Server Address

Please enter

Manager Server Port

Please enter

Default: 80, range: {min}~{max}

Allow DHCP Option 43 Override

Cancel

Save

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Manager Server Settings

## Security Settings

In this section, the user will be able to configure different security-related settings. These settings are mainly related to securing user access to the device either locally or remotely.

## Account Settings

This tab allows the user to configure his/her username, password, email, and mobile phone number.

Security Settings

Account SettingsWeb AccessSSH AccessRemote Access without Password

Username

admin

Password

\*\*\*\*\*

Email

Please enter

Mobile Number

+1

Please enter

Cancel

Save

Account Settings

## Web Access

On this page, the administrator can configure to allow or prevent web access through the WAN port. The administrator can also configure the HTTPS port number used for web access.

Security Settings

Account SettingsWeb AccessSSH AccessRemote Access without Password

HTTPS Port

443

Range: 1-65535, excluding 14, 80, 223, 224, 8080, 8086, 8443, 10014

Web WAN Port Access

Cancel

Save

Web Access



SSH Access

In this section, the user can enable SSH remote access to the device, this includes SSH remote access as well.

Security Settings

Account SettingsWeb AccessSSH AccessRemote Access without Password

Enable SSH ⓘ

CancelSave

SSH Remote Access ⓘ

Enable SSH

SSH Access

Remote Access without Password

Enabling passwordless remote access allows you to access the device through the GDMS management platform without having to provide a username and password for authentication.

Security Settings

Account SettingsWeb AccessSSH AccessRemote Access without Password

Remote Access without Password ⓘ

If enabled, an account password will no longer be required when accessing remotely via Grandstream Cloud. Disabled by default.

CancelSave

Remote Access without Password

Schedule

This feature allows the creation of schedules that can be applied as rules to various components of the GCC device. This includes the Wi-Fi-embedded controller. When the user creates a new schedule, this schedule can be used for, e.g., to determine when a Wi-Fi SSID is broadcasted and when it is not.

Schedule

New Schedule

New Schedule (UTC-06:00)America/Chicago

ⓘ If both repeated schedule and absolute schedule are configured on the same day, only the absolute schedule will take effect.

• Schedule Name

Please enter

1-64 characters

▶ Weekly

Select All	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00-00:30							
00:30-01:00							
01:00-01:30							
01:30-02:00							
02:00-02:30							
02:30-03:00							
03:00-03:30							
03:30-04:00							
04:00-04:30							
04:30-05:00							

CancelSave

Schedule

## User Management

User Management allows the user to create users with various roles and privileges.

### User Information

In this section, the user can create new users by clicking on the  button.

User Management

User Information

Role

Add

Delete

<input type="checkbox"/>	Username	Role	Password	Email	Created Time	Operation
<input type="checkbox"/>	admin	SuperAdmin	*****			<div><div></div><div></div></div>

Alt: 1

<1>

10 / page

User Information

Add User

\*

Username

4-64 characters, including letters, digits, and underscores

Please enter

\*

Password

8-32 bits, need to contain 2 types of numbers/letters/special characters

Please enter

Email

1-64 characters

Please enter

Mobile Number

2-18 digits

+1

Please enter

\*

Role


Cancel

Save

Add User

<b>Username</b>	<p>Enter the username.</p> <p>The username can consist of 4-64 characters, including letters, digits, and underscores.</p>
<b>Password</b>	<p>Enter the password.</p> <p>The password can consist of 8-32 characters, need to contain 2 types of numbers/letters/special characters</p>
<b>Email</b>	<p>Enter the email of the user.</p> <p>The email entered should be limited between 1-64 characters</p>
<b>Mobile Number</b>	<p>Enter the mobile number of the user.</p> <p>The phone number is limited between 2-18 digits</p>
<b>Role</b>	<p>Select the role of this user.</p> <p>The role must be created first, before it's assigned to the user under</p>

## Role

In this section, the user can create roles that can be assigned to different users. By default, the SuperAdmin role is pre-created and assigned to the default administrator account of the device. To create more roles, click on  button.

## Note

Please note that the SuperAdmin role cannot be assigned to other users. It's an exclusive role for the default user of the device.

User Management

User Information

Role

Add

Delete

<input type="checkbox"/>	Role Name	Network permissions	Firewall permissions	Network Nodes permissions	PBX permissions	PBX Custom Permissions	UC Endpoints permissions	Operation
<input type="checkbox"/>	SuperAdmin	Full management	Full management	Full management	Full management		Full management	<div><div></div><div></div></div>

Alt 1

<1>

10 / page

*Role Name	<input type="text" value="Please enter"/>	1-64 characters
Network permissions	<input type="radio"/> Full management <input checked="" type="radio"/> No permission	
Firewall permissions	<input type="radio"/> Full management <input checked="" type="radio"/> No permission	
Network Nodes permissions	<input type="radio"/> Full management <input checked="" type="radio"/> No permission	
PBX permissions	<input checked="" type="radio"/> Full management <input type="radio"/> No permission <input type="radio"/> Custom permissions	
UC Endpoints permissions	<input checked="" type="radio"/> Full management <input type="radio"/> No permission	
<div><input type="button" value="Cancel"/> <input type="button" value="Save"/></div> <p>Add role</p>		

## Email Settings

Setting the email client on the GCC60XX device allows the device to send emails directly to users and administrators. For example, when an extension is created on the PBX module and the email is entered in the extension's user information, the user will receive an email stating the information that he/she can use to log into his/her extension.

The email feature is used to send emails for the following types of information:

- Extension information
- Remote registration of an extension
- Wave welcome message
- Missed calls notifications
- Scheduled multimedia meetings
- Scheduled meeting reports
- Alert events
- Emergency calls
- Password reset emails

## Email Settings

Configuring email settings on the GCC device allows the sending of notification emails. This deployment of a third-party SMTP server to transfer the emails to the configured email addresses.

## Email Settings

[Email Settings](#)[Email Template](#)[Email Footer Hyperlink](#)[Email Send Log](#)

TLS



Email Template Sending Format



HTML



Plain Text

Mail Server Domain

smtp.gmail.com

Configure the GCC internal email server domain (PQDN) to identify and authenticate email senders.

SMTP Server

smtp.gmail.com:587

IPv4 Address

SASL Authentication



Username

test@grandstream.com

Email Address

Password

\*\*\*\*\*



Email to Fax



Display Name

GCC

1-42 characters

Sender

test@grandstream.com

Email Address

Cancel

Save

Save and Test

*Email Settings*

<b>TLS</b>	Toggle TLS On/Off
<b>Email Template Sending Forma</b>	<ul style="list-style-type: none"> <li>• <b>HTML:</b> The emails will be sent in HTML format.</li> <li>• <b>Plain Text:</b> The emails will be sent as plain text.</li> </ul>
<b>SMTP Server</b>	Enter the address of the SMTP server. The address can be either a n IP address or a FQDN.
<b>SASL Authentication</b>	Enable Simple Authentication and Security Layer. When this option is disabled, the device will not try to use the username and password for mail client authentication. Most of the mail servers require authentication while some other private mail servers allow anonymous login, which requires disabling this option to send email as normal. For Microsoft Exchange Server, please disable this option.
<b>Username</b>	Enter the username created for the SMTP client.
<b>Password</b>	Enter the username created for the SMTP client.
<b>Email To Fax</b>	Monitors the inbox of the configured email address for the specified subject. If enabled, the IPPBX will get a copy of the attachment from the email and send it to the XXX extension by fax. The attachment must be in PDF/TIF/TIFF format.
<b>Email-to-Fax Blacklist/Whitelist</b>	The user can enable the Email-to-Fax Blacklist or Email-to-Fax Whitelist.
<b>Email-to-Fax Subject Format</b>	Select the email subject format to use for emails to fax. XXX refers to the extension that the fax will be sent to. This extension can only contain numbers.
<b>Fax Sending Success/Failure Confirmation</b>	Email address blacklist/whitelist for local extensions.
<b>POP/POP3 Server Address/Port</b>	<p>Configure the POP/POP3 server address and port for the configured username</p> <p>Example: <a href="#">pop.gmail.com</a></p>

<b>Display Name</b>	Specify the display name in the FROM header in the Email.
<b>Sender</b>	<p>Specify the sender's Email address.</p> <p>For example: <a href="#">pbx@example.mycompany.com</a></p>

### Email Template

The user can customize the layout of the emails sent by the device to the various users. The device already provides a pre-configured layout that can be modified.











## Email Settings

## Email Settings

### Email Template

Email Footer Hyperlink

[Email Send Log](#)

Type	Module	Update Time	Operation
Extension	PBX	2024-02-09 01:10:09	
Remote Registration	PBX	2024-02-09 01:10:09	
Wave Welcome	PBX	2024-02-09 01:10:08	
Missed Calls	PBX	2024-02-09 01:10:08	
Multimedia Meeting Schedule	PBX	2024-02-09 01:10:09	
Scheduled Meeting Report	PBX	2024-02-09 01:10:08	
Meeting Report	PBX	2024-02-09 01:10:09	
Alert Events	Home / PBX	2024-02-09 01:10:08	
Emergency Calls	PBX	2024-02-09 01:10:09	
Reset Password	Home	2024-02-09 01:10:08	

All: 21 < 1 2 3 > 10 / page Go to Page

### Email Template

The user can click on the edit button to edit a specific template.

PBX

Subject

1-64 characters

Your account of PBX

Message in HTML Format

B

I

U

Open Sans,Ari... 12pt

Account Information

You can use these settings to register to the PBX server and access Grandstream Wave Web.

General Settings (Register an account on the phone or device)

Server Address-1	\$(SERVER1_ADDR)
Public IP Address	\$(PUB_ADDR)
Account Name	\$(FULL_NAME)

Preview

Restore Default Template

Template Variables

Cancel Save

[Edit Email Template](#)

The user can use the text editor to change the layout, once that is done, the user can view the new layout by clicking on

[Email Settings](#)
[Email Template](#)
[Email Footer Hyperlink](#)
[Email Send Log](#)

---

Footer 1

\*Text

Company Info

1-64 characters

\*URL

https://www.grandstream.com

IPv4 or URL address

---

Footer 2

\*Text

Contact Us

1-64 characters

\*URL

https://www.grandstream.com/contact-us?

IPv4 or URL address

---

Add

Cancel

Save

Email Footer Hyperlink

## Email Footer Hyperlink

The customize the links that are included in the footers, please navigate to System Settings > Email Settings > Email Footer Hyperlink

On the page, you can edit the text and the URL of each footer. You can add 3 additional footers if needed.

## Email Send Log

Email send log is used to keep records of all the emails that have been sent from the GCC device.

Email Settings

[Email Settings](#)
[Email Template](#)
[Email Footer Hyperlink](#)
[Email Send Log](#)

---

If emails has not been received, please check the inbox of the configured client email address for any email bounce notifications.

Show All Logs

Clear

Delete Search Result(s)

Filter

Send Result	Recipient	Module	Email Send Module	Email Generated Time	Last Send Time	Operation
<div> </div> <div>No data</div>						

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Email Send Log

## SMS Settings

The SMS feature allows the user to send information over SMS to mobile numbers. Currently, the information which can be sent over SMS are the following:

- Profile Code:
- Verification Code:
- Alarm Notification:



SMS Settings

SMS Settings

[SMS Settings](#)[SMS Template](#)[SMS Delivery Log](#)

When the extension needs to use SMS function, it is necessary to configure a standardized format mobile number for it, that is, country code + mobile number.

Enable SMS

\* SMS Carrier

Twilio

Amazon

Configures the SMS carrier. Twilio and Amazon SMS services are supported.

\* Username

Please enter

Configure your Twilio account ID.

\* Auth Token

Please enter

Twilio The key of the account.

\* Messages Server ID

Please enter

Please enter the SMS Server ID.

\* From

+1

Please enter

Configures the source number of outgoing messages.

Cancel

Save

Save and Test

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SMS Settings

Twilio

Enable SMS	Toggle the slider to enable/disable SMS service.
SMS Carrier	Select Twilio as the SMS Carrier.
Username	Enter the username of the account of the carrier.
Auth Token	Enter the authentication token generated on the carrier’s site.
Message Server ID	Enter the ID of the message server of the carrier.
From	Configure the source number of the outgoing messages.

Amazon

<b>Enable SMS</b>	Toggle the button to enable/disable SMS feature.
<b>SMS Carrier</b>	Choose Amazon as the SMS carrier.
<b>Region</b>	<p>Choose your region.</p> <ul style="list-style-type: none"> <li>• US East (N. Virginia)</li> <li>• US East (Ohio)</li> <li>• US West (N. California)</li> <li>• US West (Oregon)</li> <li>• EU (Ireland)</li> <li>• EU (London)</li> <li>• EU (Paris)</li> <li>• EU (Frankfurt)</li> <li>• EU (Stockholm)</li> <li>• EU (Milan)</li> <li>• Asia Pacific (Hong Kong)</li> <li>• Asia Pacific (Mumbai)</li> </ul>

	<ul style="list-style-type: none"> <li>• Asia Pacific (Singapore)</li> <li>• Asia Pacific (Sydney)</li> <li>• Asia Pacific (Jakarta)</li> <li>• Asia Pacific (Tokyo)</li> <li>• Asia Pacific (Seoul)</li> <li>• Asia Pacific (Osaka)</li> <li>• South America (Sao Paulo)</li> <li>• China (Beijing)</li> <li>• China (Ningxia)</li> <li>• Canada (Central)</li> <li>• Middle East (Bahrain)</li> <li>• Middle East (UAE)</li> <li>• Africa (Cape Town)</li> <li>• AWS GovCloud (US-West)</li> <li>• AWS GovCloud (US-East)</li> <li>• US ISO East</li> <li>• US ISOB East (Ohio)</li> <li>• US ISO West</li> <li>• New List Item</li> </ul>
<b>Username</b>	Configure your Amazon account ID.
<b>Password</b>	Configure your Amazon account password.

In the “SMS Template” tab, the user can view and edit templates of the SMS messages sent by the GCC device.

SMS Settings

SMS Settings

SMS Template

SMS Delivery Log

SMS templates need to comply with the carrier's specifications, and your carrier may require the sender to pre-register a template for each message the sender plan to send. Please follow the default template to the SMS cloud platform to apply for the corresponding template. Please refer to the carrier's requirements for details. Detailed information can be found here:[Amazon](#), [Twilio](#)

Type	Module	Template Content	Operation
Profile Code	UC Endpoints	[GCC6010W] Your Profile Code: \${EXTEN_PROFILE_CODE} Tips: 1. If your VoIP device has a display screen, please enter profile code on your device. 2. If your VoIP device does not have a display screen, please dial **\${EXTEN_PROFILE_CODE}# to register your device. \${PROFILE_CODE_USE_LIMITS_NOTIFY}\${PROFILE_CODE_LIVE_TIME_NOTIFY}.	
Verification Code	Home	[GCC6010W] Your verification code is \${code}. It will expire in 10 minutes.	
Alarm Notification	PBX	[GCC6010W] \${hostname}\${macAddr} system event: \${content}	

All: 3 < 1 > 10 / page ▾

SMS Template

## SMS Delivery Log

The “SMS Delivery Log” tab displays information about all the SMS messages that have originated from the GCC device.

SMS Settings

SMS Settings

SMS Template

SMS Delivery Log

Show All Logs

Clear

Delete Search Result(s)

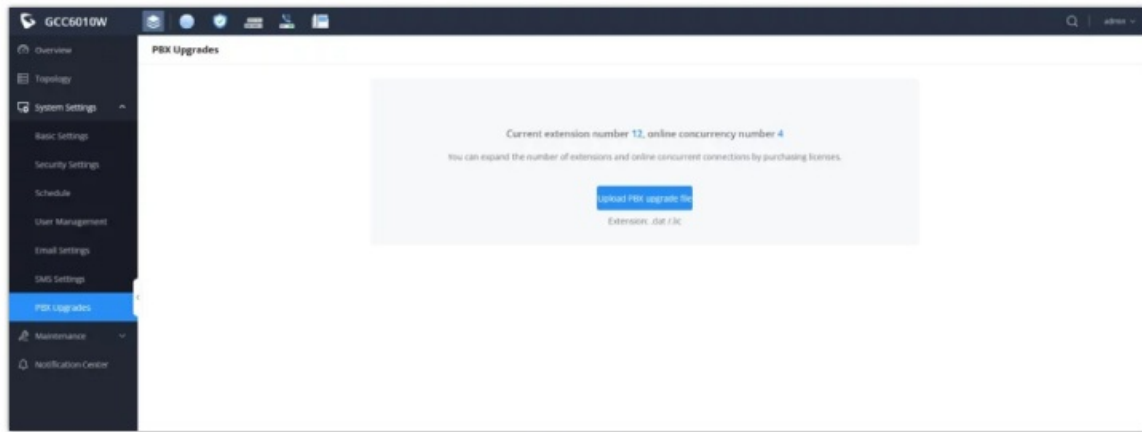
Filter

Send Result	Recipient	Module	SMS Send Module	Last Send Time
<div></div> <div>No data</div>				

SMS Delivery Log

## PBX Upgrades

On this page, the user can manage the various licenses which can be uploaded to the GCC device.



*PBX Upgrades*

## PBX Upgrades

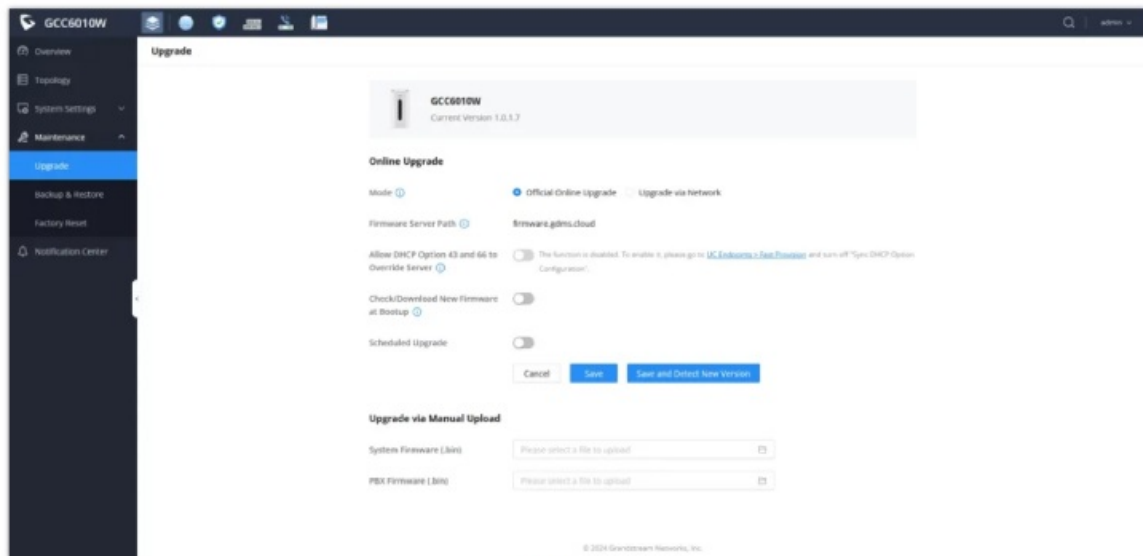
## Maintenance

### Upgrade

When a new firmware is released for the GCC device, the user can use the “Upgrade” page to update the firmware of the GCC device using different methods of updating the firmware.

There are three methods of upgrading the firmware which are listed below.

- **Official Online Upgrade:** This method allows upgrading directly from the Grandstream firmware server. The administrator can click “Detect New Version” to check for any new firmware releases. When a new firmware version is available, the administrator can proceed with upgrading the device.
- **Allow DHCP Options 43 and 66 to Override Server:** If enabled, DHCP options 66 and 43 will override the upgrade and provisioning settings, if disabled, use the configured server path to request firmware information by default. Note: In the official online upgrade mode, “Detect New Version” uses the official default address, and this configuration does not take effect.
- **Check/Download New Firmware at Bootup:** When it is turned on, firmware detection will be performed every time the device is started. If a new firmware version is detected, it will automatically download and upgrade.
- **Scheduled Upgrade:** Specifies a specific schedule for the device to check for new firmware and install them.
- **Upgrade via Network:** Using this method, the user can choose a specific upgrade method and configure a server address that hosts the firmware files.
- **Upgrade via Manual Upload:** Using this method, the user can upload the firmware file directly on the web UI of the device.



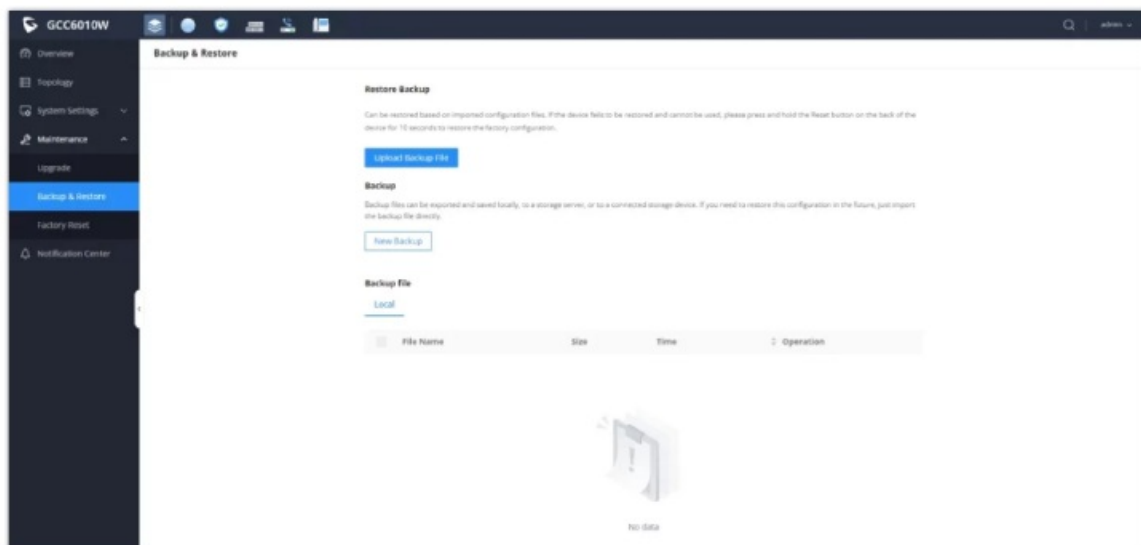
*GCC Upgrade*

## Important

- When uploading the firmware image to the device, please ensure that you are using the correct firmware image.
- Before upgrading the firmware of the device, please perform a full backup of the configuration of the device to avoid any configuration loss after the upgrade.

## Backup & Restore

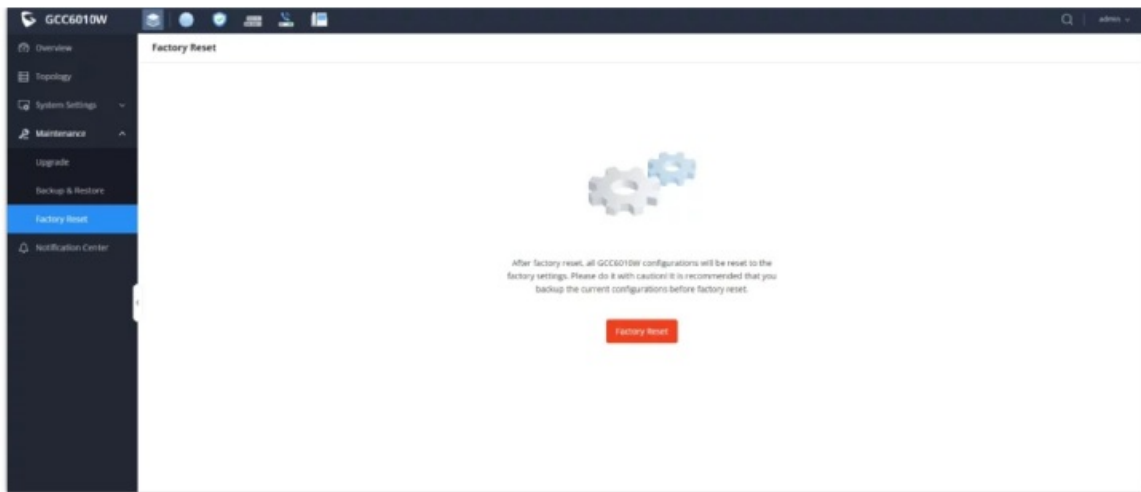
On the “Backup & Restore” page, the user can back up the data of the GCC device. When backing up the data, the user can choose the data of the GCC modules to be backed up.



*Backup & Restore*

## Factory Reset

On this page, the user can factory reset the GCC unit



Factory Reset

## Factory Reset

### Notification Center

The Notification Center allows the user to view and configure notifications of the events that occur on the GCC device. To access the notification center, please access the main page of the GCC web UI and then click on the Notification Center tab.

Notification Center						
<div> <a href="#">Networking Notification Center</a> <a href="#">Firewall Security Log</a> <a href="#">PBX Notification Center</a> </div>						
<div> <a href="#">Export All</a> <a href="#">Delete</a> <a href="#">Notification Settings</a> </div>						
<div> Start date → End date All Types All Levels MAC/Device Name/Username </div>						
<input type="checkbox"/>	Content	Type	Level	Time	Operation	
<input type="checkbox"/>	Host memory usage reaches 52%.	Performance alarm	General	2024-03-20 11:16:34		
<input type="checkbox"/>	Host memory usage returns to normal.	Performance alarm	General	2024-03-20 11:16:24		
<input type="checkbox"/>	Host memory usage reaches 50%.	Performance alarm	General	2024-03-20 10:09:25		
<input type="checkbox"/>	Host reboot normally.	Device alarm	General	2024-03-19 14:47:25		
<input type="checkbox"/>	Backup file was restored failed.	System alarm	Serious	2024-03-19 13:54:55		
<input type="checkbox"/>	Host memory usage reaches 53%.	Performance alarm	General	2024-03-19 13:30:46		
<input type="checkbox"/>	Host memory usage returns to normal.	Performance alarm	General	2024-03-19 13:28:06		
<input type="checkbox"/>	Host memory usage reaches 50%.	Performance alarm	General	2024-03-19 13:27:56		
<input type="checkbox"/>	Backup successful.	System alarm	General	2024-03-19 12:36:35		
<input type="checkbox"/>	Host reboot normally.	Device alarm	General	2024-03-19 11:06:38		
<div> All: 16 1 2 10 / page Go to Page </div>						

Notification Center

## Notification Settings

To set the notifications of the GCC device, click on

[Notification Settings](#).

On this page, the user can enable notifications for certain events on the GCC. In addition to generating the notification on the web UI, the user can configure an email address to which email notifications are sent.

## Note

To use the email notification feature, please ensure that the Email Settings on the GCC are configured successfully.

Notification Center > **Notification Settings**

<input checked="" type="checkbox"/> Performance alarm	Urgent	Serious	General
Host memory usage	<input checked="" type="checkbox"/> ≥90%	<input checked="" type="checkbox"/> ≥75%, <90%	<input checked="" type="checkbox"/> ≥50%, <75%
Disk Usage	<input checked="" type="checkbox"/> ≥90%	<input checked="" type="checkbox"/> ≥75%, <90%	<input checked="" type="checkbox"/> ≥50%, <75%
Host chip temperature	<input checked="" type="checkbox"/> ≥115°C	<input checked="" type="checkbox"/> ≥110°C, <115°C	<input checked="" type="checkbox"/> ≥100°C, <110°C

<input checked="" type="checkbox"/> System alarm	Urgent	Serious	General
Super Administrator password change	<input checked="" type="checkbox"/>	--	--
Administrator password change	<input checked="" type="checkbox"/>	--	--
Login is prohibited ⓘ	<input checked="" type="checkbox"/>	--	--
Create a new user	--	<input checked="" type="checkbox"/> Create failed	<input checked="" type="checkbox"/> Create successful
Backup file	--	<input checked="" type="checkbox"/> Backup failed	<input checked="" type="checkbox"/> Backup successful
Restore Backup	--	<input checked="" type="checkbox"/> Restore failed	<input checked="" type="checkbox"/> Restore successful

<input checked="" type="checkbox"/> Device alarm	Urgent	Serious	General
Host reboot	--	--	<input checked="" type="checkbox"/>
Host upgrade	--	<input checked="" type="checkbox"/> Upgrade failed	<input checked="" type="checkbox"/> Upgrade successful

☐ Simultaneously push to email

Email Address  6-128 characters  
Add +

Cancel Save

Notification Settings

## NETWORKING

The Networking module of GCC601X(W) includes network-related configuration mainly VPN, Multi-WAN, and traffic management. It also allows users to configure all the standard routing configurations such as VLAN, port forwarding, etc.



Click on the icon to access.

## FIREWALL

The firewall module of GCC601X(W) is a Next-Generation Firewall (NGFW) that secures users' network environment by providing defense against the most advanced network attacks as it supports anti-virus and intrusion prevention (IDS/IPS) with frequent signature library updates and also supports SSL proxy to filter HTTPS URL.



Click on the icon to access.

## NETWORK NODES

Network nodes refer to individual devices or components such as switches and access points that form the interconnected infrastructure of the network. These nodes provide data points for analysis, which helps centralize the monitoring and configuration of the device performance, security, and overall network features. The GCC601X(W) offers an embedded controller for both the wireless access points and the GWN-managed network switches to provide the user with a global overview of his network infrastructure.

Click on the icon to access.



**PBX**

The integrated IPPBX module in the all-in-one convergence device the GCC601X(W) provides a communication and collaboration solution for enterprises that do not require expanded telephony capabilities. It offers the same features that are provided by Grandstream IPPBX solution, the UCM6300, to ensure cost-effective and efficient collaboration among professionals.



Click on the icon to access.

**UC ENDPOINTS**

The UC endpoints configuration module contains all the settings and tools to manage and control the unified communication endpoints, including devices ranging from IP phones, Video phones, and Wi-Fi phones, to security facility access devices such as the IP cameras and the door systems. The GCC601X(W) with its VoIP devices and IPC devices management modules offers a centralized way to manage, provision, and control all your on-premise UC endpoint devices.



Click on the icon to access.


**CHANGELOG**

This section documents significant changes from previous versions of user manuals for GCC601x. Only major new features or major document updates are listed here. Minor updates for corrections or editing are not documented here.

**Firmware version 1.0.1.8 (PBX version 1.0.25.11)**

This is the initial version.







**Documents / Resources**

  <small>Grandstream Networks, Inc. © 2008-2024 All Rights Reserved</small>	<p><a href="#">GRANDSTREAM GCC601X UC/Networking Convergence</a> [pdf] User Manual GCC601X UC Networking Convergence, GCC601X, UC Networking Convergence, Networking Convergence, Convergence</p>
--	---

**References**

- [mycompany.com](#)
- [documentation.grandstream.com/knowledge-base/gcc601x-user-manual/?hkb-redirect&nonce=2e53e7f2f0&check=2lk8v&redirect=helpdesk.grandstream.com&otype=ht\\_kb\\_article&oid=](#)
- [documentation.grandstream.com/wp-content/uploads/2024/02/Edit-Email-Template.png](#)
- [documentation.grandstream.com/wp-content/uploads/2024/02/Email-Footer-Hyperlink.png](#)
- [documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Add-Role.png](#)
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-  [documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Role.png](https://documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Role.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Schedule.png](https://documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Schedule.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Send-Email-Log.png](https://documentation.grandstream.com/wp-content/uploads/2024/02/GCC-Send-Email-Log.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/02/GCC60XX-Basic-Settings.png](https://documentation.grandstream.com/wp-content/uploads/2024/02/GCC60XX-Basic-Settings.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/02/GCC60XX-Manager-Server-Settings.png](https://documentation.grandstream.com/wp-content/uploads/2024/02/GCC60XX-Manager-Server-Settings.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/02/User-Information.png](https://documentation.grandstream.com/wp-content/uploads/2024/02/User-Information.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24\\_16-16-34.png](https://documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24_16-16-34.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24\\_16-20-07.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24_16-20-07.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24\\_16-36-53.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24_16-36-53.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24\\_16-40-56.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24_16-40-56.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24\\_16-43-10.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24_16-43-10.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24\\_16-57-56.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/2024-05-24_16-57-56.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/GCC-Notification-Settings.png](https://documentation.grandstream.com/wp-content/uploads/2024/03/GCC-Notification-Settings.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/GCC-Overview-Page.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/GCC-Overview-Page.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/GCC-SMS-Delivery-Log.png](https://documentation.grandstream.com/wp-content/uploads/2024/03/GCC-SMS-Delivery-Log.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/GCC-SMS-Template.png](https://documentation.grandstream.com/wp-content/uploads/2024/03/GCC-SMS-Template.png)
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-  [documentation.grandstream.com/wp-content/uploads/2024/03/GCC6011W-Installation.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/GCC6011W-Installation.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/GCC601X-Installation.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/GCC601X-Installation.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/03/Notification-Center.webp](https://documentation.grandstream.com/wp-content/uploads/2024/03/Notification-Center.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/04/2024-04-24\\_17-54-34.png](https://documentation.grandstream.com/wp-content/uploads/2024/04/2024-04-24_17-54-34.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/04/Untitled-Diagram-copy-1.webp](https://documentation.grandstream.com/wp-content/uploads/2024/04/Untitled-Diagram-copy-1.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/04/Untitled-Diagram-Page-2-copy.webp](https://documentation.grandstream.com/wp-content/uploads/2024/04/Untitled-Diagram-Page-2-copy.webp)
-  [documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24\\_16-52-03.png](https://documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24_16-52-03.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24\\_16-52-30.png](https://documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24_16-52-30.png)
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-  [documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24\\_16-53-25.png](https://documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24_16-53-25.png)
-  [documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24\\_16-54-35.png](https://documentation.grandstream.com/wp-content/uploads/2024/05/2024-05-24_16-54-35.png)
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