



Grandstream Networks, Inc.

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**GCC6000 Series**

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:

- [Home](#)
- [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

<b>Network Ports</b>	2 x 2.5 Gigabit SFP ports and 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>	2.5Gbps
<b>IPsec VPN Throughput</b>	1Gbps
<b>NAT Sessions</b>	160K
<b>IDS/IPS</b>	900Mbps
<b>PBX</b>	12 users and 4 concurrent calls by default. Upgrades available for purchase ( <a href="#">See more for PBX capacity upgrade options</a> ).
<b>Mounting</b>	Desktop/Wall-mounting
<b>Material</b>	Metal
<b>LEDs</b>	7 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 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>	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 48VDC 1A (48W); 4 x PoE out ports IEEE802.3af/at Max. PoE Wattage : 36W
<b>Environmental</b>	Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
<b>Physical</b>	<b>Unit Dimension:</b> 191x 101 x 29mm <b>Unit Weight:</b> 520g <b>Entire Package Dimension:</b> 300 x 130 x 53 mm <b>Entire Package Weight:</b> 835g
<b>Package Content</b>	GCC6010/GCC6011, Universal Power Supply, Rack mount kit (Only GCC6011), Quick Installation Guide
<b>Compliance</b>	FCC, CE, RCM, IC

## GCC6010W Technical Specifications

<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>	2.4G 802.11b: -97dBm@1Mbps, -89dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11 5G 802.11a: -93dBm @6Mbps, -75dBm @54Mbps; 802.11n: 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7 802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -61dBm @MCS11;802.11ax 80MHz: -58dBm @MCS11
<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>	12 users and 4 concurrent calls by default Upgrades available for purchase ( <a href="#">See more for PBX capacity upgrade options</a> )
<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>	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>	IPsec VPN Client-to-Site / Site-to-Site <ul style="list-style-type: none"> <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>	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 48VDC 1A (48W) PoE: N/A

<b>Environmental</b>	Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
<b>Physical</b>	<b>Unit Dimension:</b> 95 x 95 x 193 mm <b>Unit Weight:</b> 565g <b>Entire Package Dimension:</b> 186 x 127 x 105 mm <b>Entire Package Weight:</b> 920g
<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>	12 users and 4 concurrent calls by default Upgrades available for purchase ( <a href="#">See more for PBX capacity upgrade options</a> )
<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 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>	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 48VDC 1A (48W) 4 x PoE out ports IEEE802.3af/at Max. PoE Wattage : 36W
<b>Environmental</b>	Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
<b>Physical</b>	<b>Unit Dimension:</b> 280 x 180 x 44 mm <b>Unit Weight:</b> 1200g <b>Entire Package Dimension:</b> 366 x 211 x 53 mm <b>Entire Package Weight:</b> 1600g
<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

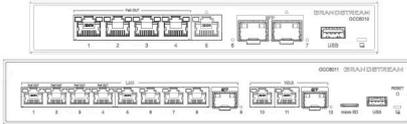
Before deploying and configuring the GCC601X(W) device, the device needs to be properly powered up and connected to the network. This section describes detailed information on the installation, connection, and warranty policy of the GCC601X(W) device.

### Package Content

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

<b>Simplified Quick Installation Guide</b>	1
<b>SSD Installation</b>	2x screws & 1x nut (GCC6011 only).
<b>Ground Cable</b>	with GCC6011 only.
<b>Rubber footpads</b>	with GCC6010/GCC6011 only.

**GCC6010/GCC6011 Package Content**



GCC6010/GCC6011

**GCC6011 SSD Installation**



2x Screws



1x Nut

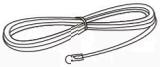
**GCC6011**



8x Screws



2x Mounting Bracket



1x 25 cm Ground Cable



4x Rubber Footpads



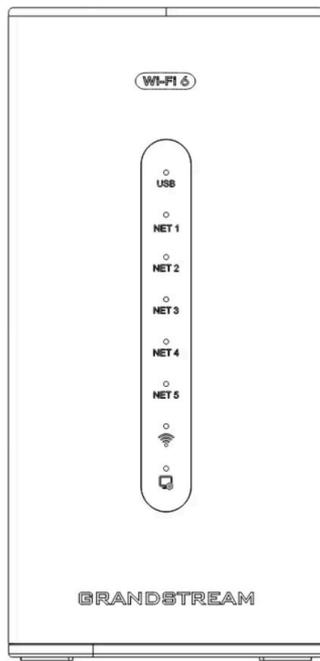
48V Power adapter



Quick Installation Guide

*GCC6010/GCC6011 Package Content*

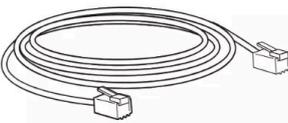
**GCC6010W Package Content**



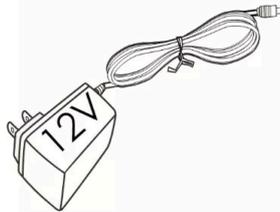
GCC6010W



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.

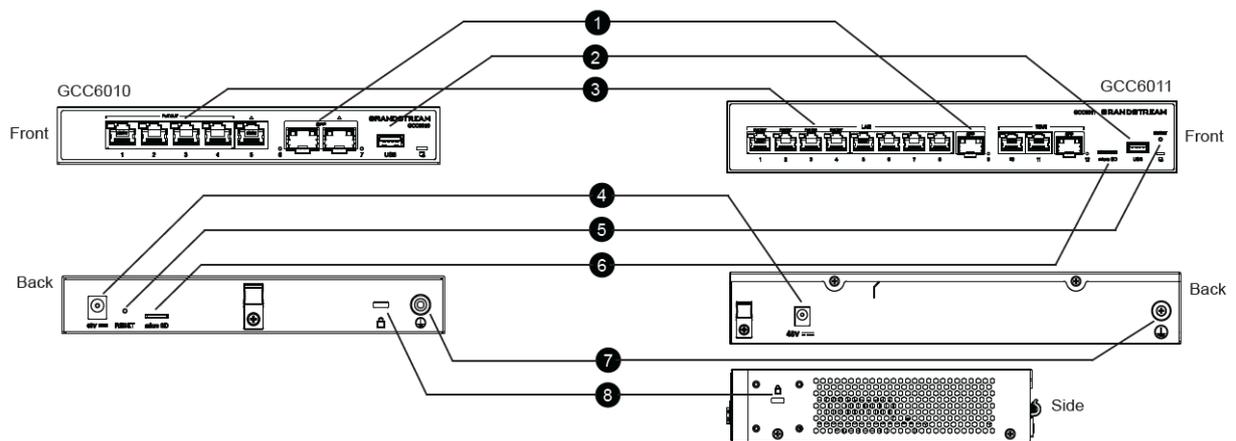
### Warranty

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

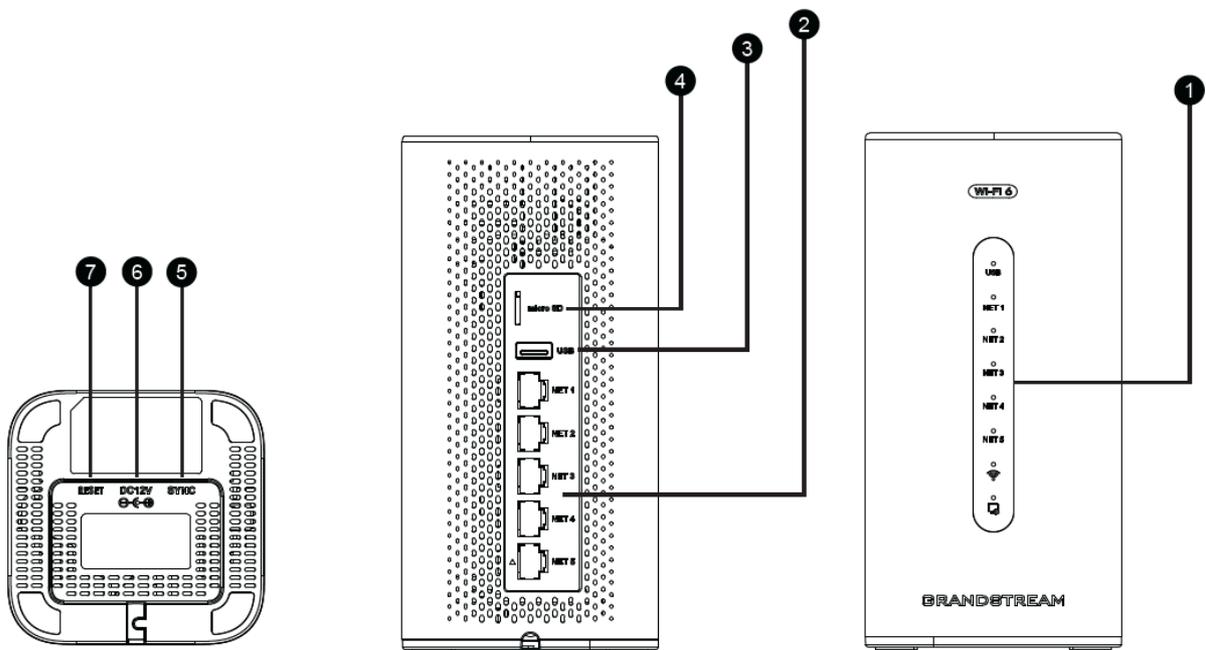
Use the power adapter provided with the GCC601X(W) device. Do not use a different power adapter as this may damage the device. This type of damage is not covered under warranty.

## 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 GCC6010W

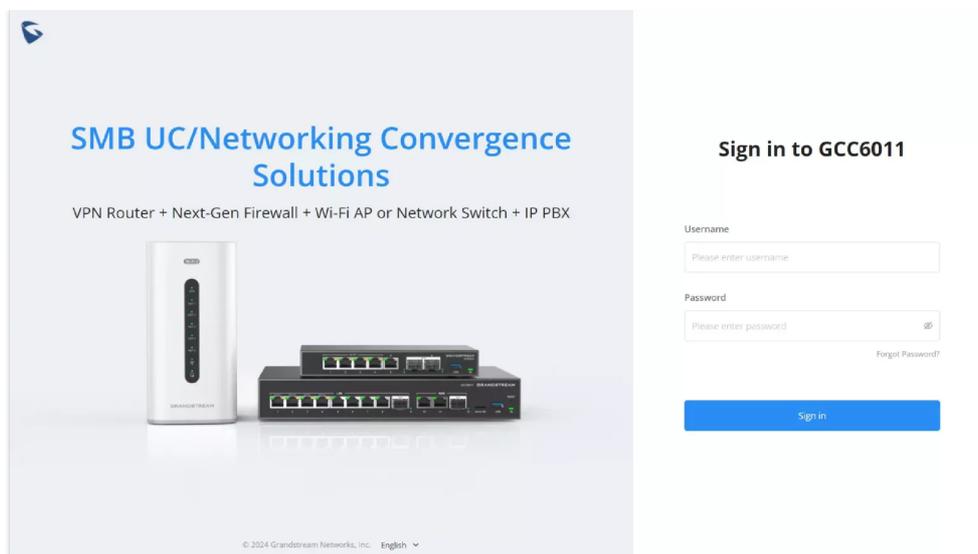


1	LED Indicators
2	NET Ports
3	USB 3.0 Port
4	Micro SD
5	Sync APs Button
6	DC12V
7	RESET Button

1. GCC6010/GCC6011 can be powered on using the right PSU 48VDC 1A (48W) and GCC6010W can be powered by a 12VDC 1.5A power adapter.
2. Connect the WAN port to an optical fiber broadband modem, or ADSL broadband modem.
3. Connect a PC, or laptop to one of the LAN ports for GCC6010 and GCC6011, or connect to SSID (Wi-Fi) only for GCC6010W.

**Notes:**

- The default password information is printed on the MAC label at the bottom of the unit. The default username is **“admin”**.
- Ports with this symbol  $\Delta$  on GCC6010 are configured to be used as a WAN port by default at the factory.
- The default gateway is 192.168.80.1 (gcc.grandstream.com).



*GCC601x(W) login page*

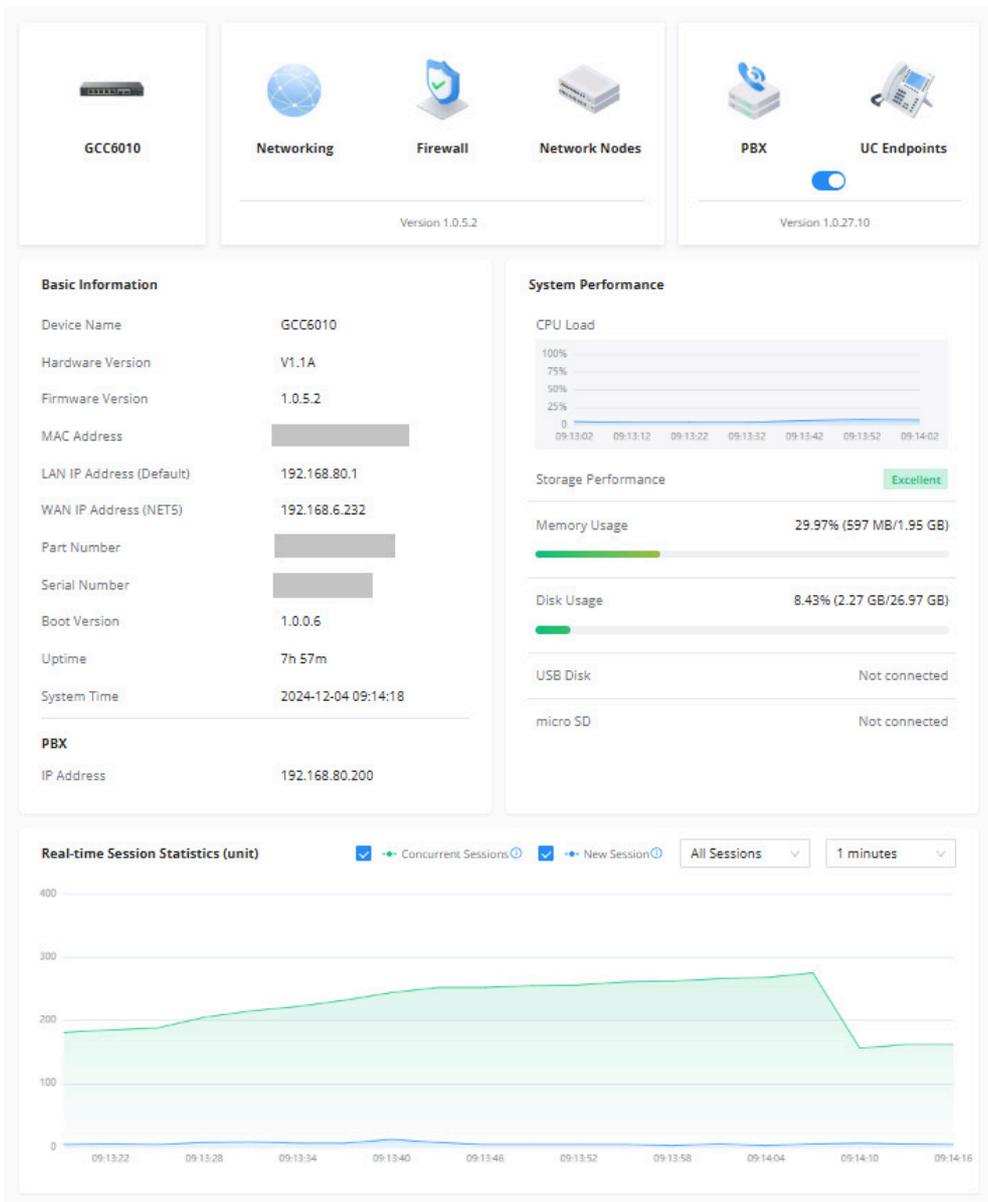
## HOME

### 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.

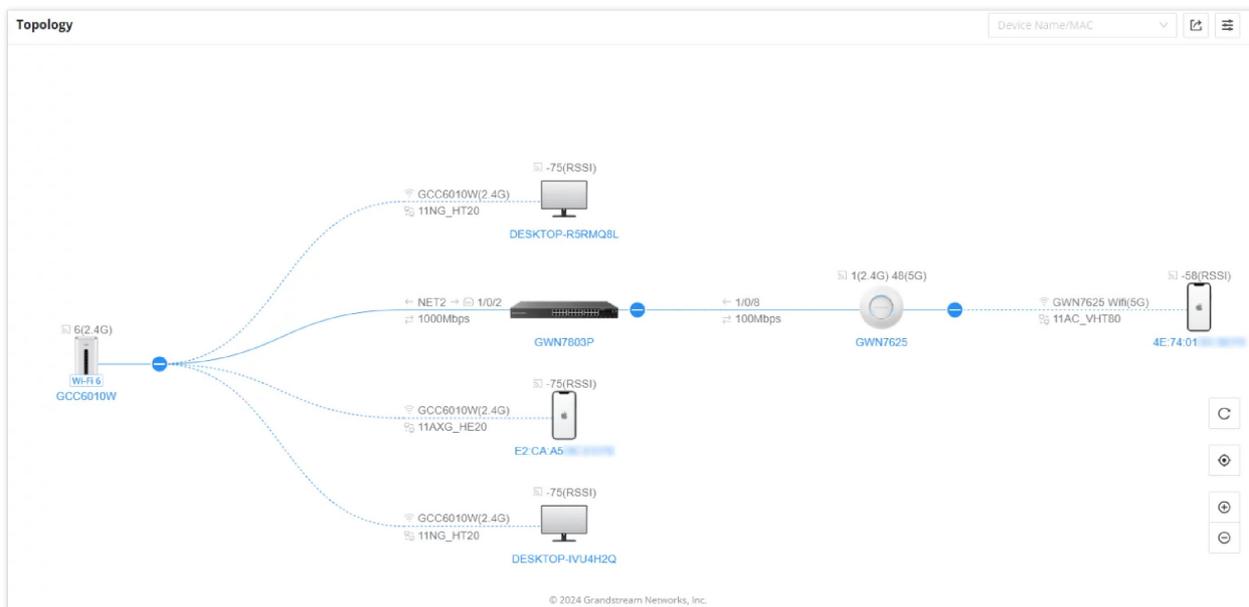
In addition to that, it shows the general system performance of the device by displaying the CPU load rate, the storage performance rating, and the percentage of the memory utilized.



GCC601X Overview Page

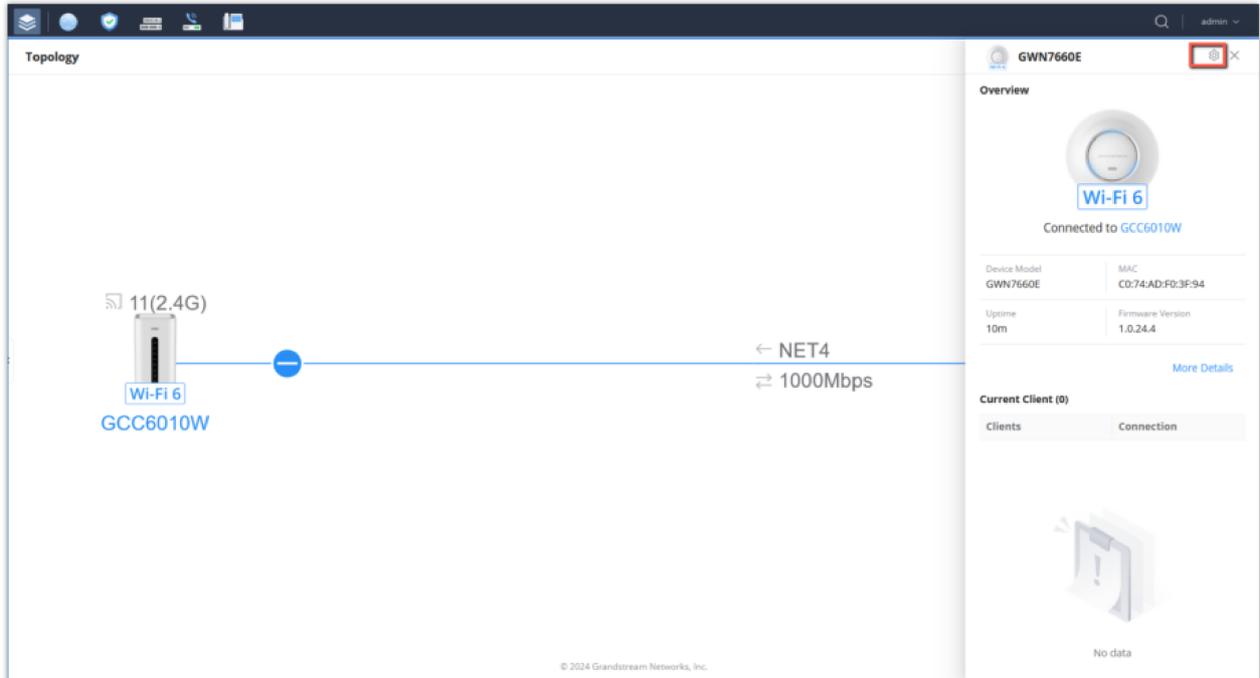
## Topology

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

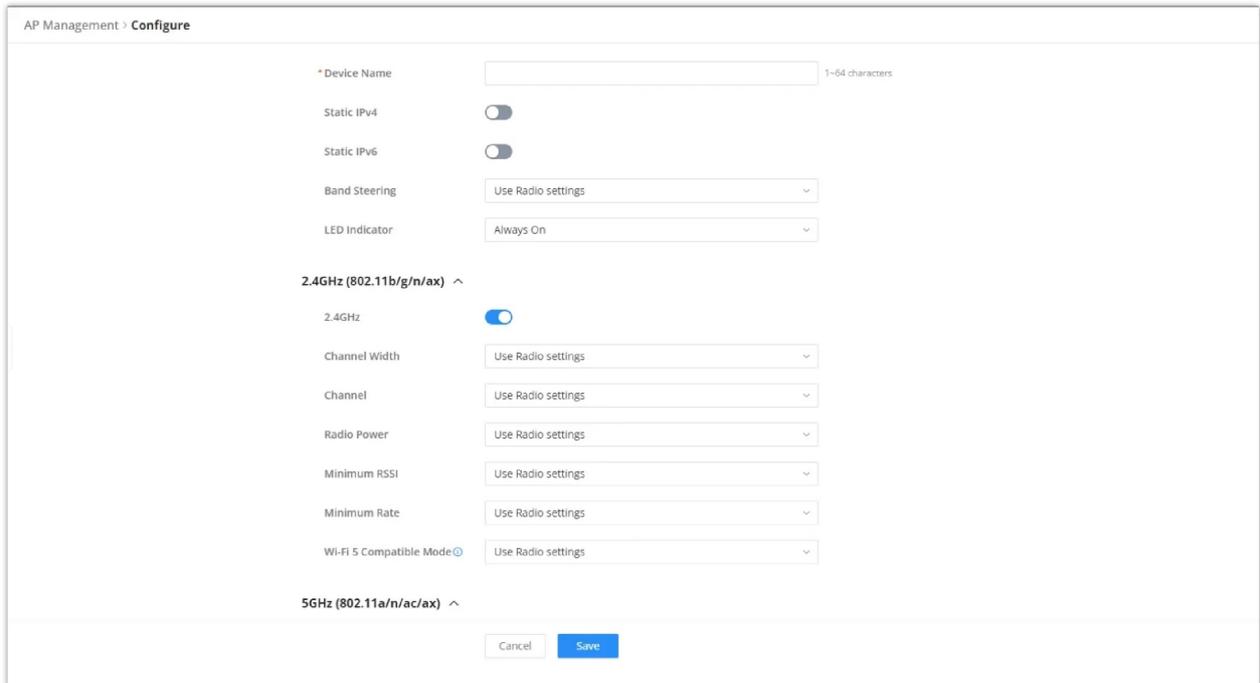


Topology

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



Icon View



AP Settings

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

Show All Devices	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Online	
<input checked="" type="checkbox"/> Offline	
Highlight Mesh AP	<input checked="" type="checkbox"/>
Clients	
<input checked="" type="checkbox"/> 2.4G Wi-Fi	
<input checked="" type="checkbox"/> 5G Wi-Fi	
<input checked="" type="checkbox"/> 6G Wi-Fi	
<input checked="" type="checkbox"/> Wired	
Wireless	
<input checked="" type="checkbox"/> Channel	
<input checked="" type="checkbox"/> RSSI	
<input checked="" type="checkbox"/> SSID	
<input checked="" type="checkbox"/> Station Mode	
Wired	
<input checked="" type="checkbox"/> 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

### 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 ▾

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**Basic Settings**

[Basic Settings](#)   Manager Server Settings

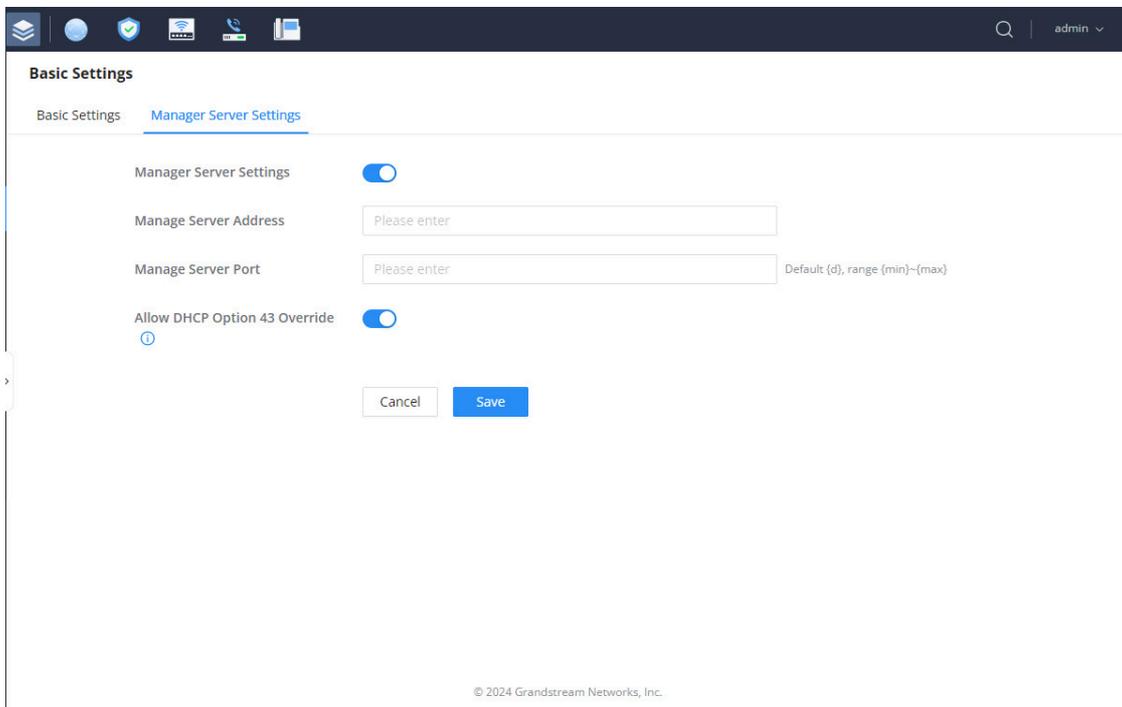
* Device Name	<input type="text" value="GCC6010W"/>	1-32 characters, including letters, digits, and underscores
Country / Region	<input type="text" value="United States"/>	
Time Zone	<input type="text" value="(UTC-06:00) America/Chicago"/>	
* NTP Server	<input type="text" value="pool.ntp.org"/>	IPv4 or URL address
Language	<input type="text" value="English"/>	

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Basic Settings

## Manager Server Settings



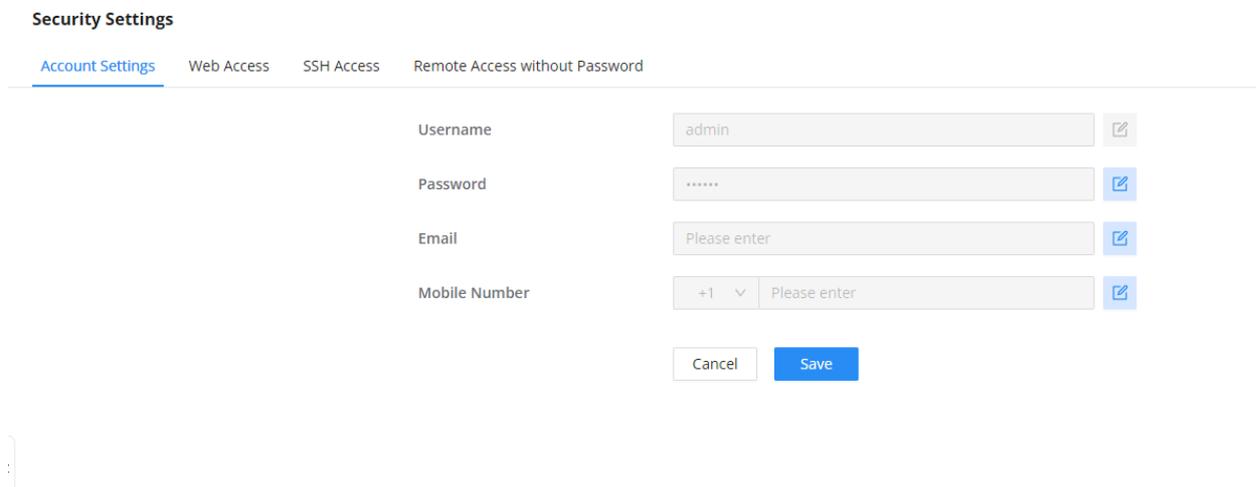
Manager Server Settings

## 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.



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 Settings **Web Access** SSH Access Remote Access without Password

Redirect from Port 80

\* HTTPS Port

443

Range 1-65535, excluding 14, 80, 223, 224, 8000, 8080, 8443, 10014

Web WAN Port Access

Cancel

Save

### Web Access

Parameter	Description
<b>Redirect from Port 80</b>	Enabling this option allows redirecting HTTP access from port 80 to the HTTPS port configured. If the redirection is disabled, the user should enter the HTTPS port configured in the address bar to access the web UI of the GCC.
<b>HTTPS Port</b>	Enter the HTTPS port. The default port is 443.
<b>Web WAN Access Port</b>	Enable or disable accessing the GCC web UI from the WAN side. This option is disabled by default.

## 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 Settings Web Access **SSH Access** Remote Access without Password

Enable SSH

Cancel

Save

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 Settings Web Access SSH Access **Remote 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.

Cancel

Save

### 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  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							

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 [Add](#) button.

**User Management**

[User Information](#) Role

<input type="checkbox"/>	Username	Role	Password	Email	Created Time	Operation
<input type="checkbox"/>	admin	SuperAdmin	*****			<input type="button" value="edit"/> <input type="button" value="delete"/>

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

## 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 [Add](#) 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	Full management	

All: 1 < 1 > 10 / page

Role

<b>*Role Name</b>	<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	

*Add role*

## 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:

- o **Extension information**
- o **Remote registration of an extension**
- o **Wave welcome message**
- o **Missed calls notifications**
- o **Scheduled multimedia meetings**
- o **Scheduled meeting reports**
- o **Alert events**
- o **Emergency calls**
- o **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	<input checked="" type="checkbox"/>	
Type	<input checked="" type="radio"/> Clients <input type="radio"/> MTA	
Email Template Sending Format	<input checked="" type="radio"/> HTML <input type="radio"/> Plain Text	
Mail Server Domain	<input type="text" value="example.com"/>	Configure the GCC internal email server domain (FQDN) to identify and authenticate email senders.
*SMTP Server ⓘ	<input type="text" value="Please enter"/>	IPv4 or URL address
SASL Authentication	<input checked="" type="checkbox"/>	
*Username ⓘ	<input type="text" value="Please enter"/>	
*Password	<input type="password" value="Please enter"/>	
Email to Fax	<input type="checkbox"/>	
*Display Name	<input type="text" value="GCC"/>	1-42 characters
*Sender	<input type="text" value="anonymous@example.com"/>	Email Address
<input type="button" value="Cancel"/> <input type="button" value="Save"/> <input type="button" value="Test"/>		

### Email Settings

<b>TLS</b>	Enable or disable TLS during transferring/submitting your Email to another SMTP server. The default setting is "Yes".
<b>Type</b>	<p>Select Email Type:</p> <ul style="list-style-type: none"> <li>● <b>MTA:</b> Mail Transfer Agent. The Email will be sent from the configured domain. When MTA is selected, there is no need to set up SMTP server for it and no user login is required. However, the Emails sent from MTA might be considered as spam by the target SMTP server.</li> <li>● <b>Clients:</b> Submit Emails to the SMTP server. A SMTP server is required, and users need login with correct credentials.</li> </ul>
<b>Email Template Sending Format</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>Mail Server Domain</b>	Specify the domain name to be used in the Email when using type "MTA".
<b>SMTP Server</b>	Enter the address of the SMTP server when using type "Client". The address can be either an IP address or a FQDN.
<b>SASL Authentication</b>	<p>Enable Simple Authentication and Security Layer.</p> <p>When this option is disabled, the device will not try to use the username and password for mail client authentication.</p> <p>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.</p> <p>For Microsoft Exchange Server, please disable this option.</p> <p><b>Note:</b> This option is available when Type is "Clients".</p>
<b>Username</b>	<p>Enter the username created for the SMTP client.</p> <p><b>Note:</b> This option is available when Type is "Clients".</p>
<b>Password</b>	<p>Enter the username created for the SMTP client.</p> <p><b>Note:</b> This option is available when Type is "Clients".</p>
<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>Note:</b> This option is available when Type is "Clients".
<b>Email-to-Fax Blacklist/Allowlist</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. <ul style="list-style-type: none"><li>• SendFaxMail To XXX</li><li>• XXX</li></ul> XXX refers to the extension that the fax will be sent to. This extension can only contain numbers. <b>Note:</b> This option is available when Type is "Clients" and "Email to Fax" is enabled.
<b>Fax Sending Success/Failure Confirmation</b>	Email address blacklist/whitelist for local extensions. <b>Note:</b> This option is available when Type is "Clients" and "Email to Fax" is enabled.
<b>POP/POP3 Server Address/Port</b>	Configure the POP/POP3 server address and port for the configured username Example: pop.gmail.com <b>Note:</b> This option is available when Type is "Clients" and "Email to Fax" is enabled.
<b>Display Name</b>	Specify the display name in the FROM header in the Email.
<b>Sender</b>	Specify the sender's Email address. For example: pbx@example.mycompany.com.

## 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	\${SERVR1_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

📄 Preview

## 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 Settings

Email Settings
Email Template
Email Footer Hyperlink
Email Send Log

Footer 1 ⊖

**\* Text**  1-64 characters

**\* URL**  IPv4 or URL address

Footer 2 ⊖

**\* Text**  1-64 characters

**\* URL**  IPv4 or URL address

Add ⊕

Cancel
Save

*Email Footer Hyperlink*

## 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



No data

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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	<input checked="" type="checkbox"/>	
* SMS Carrier	<input checked="" type="radio"/> Twilio <input type="radio"/> Amazon	Configures the SMS carrier. Twilio and Amazon SMS services are supported.
* Username	<input type="text" value="Please enter"/>	Configure your Twilio account ID.
* Auth Token	<input type="text" value="Please enter"/>	Twilio The key of the account.
* Messages Server ID	<input type="text" value="Please enter"/>	Please enter the SMS Server ID.
* From	+1 <input type="text" value="Please enter"/>	Configures the source number of outgoing messages.
<input type="button" value="Cancel"/> <input type="button" value="Save"/> <input type="button" value="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:

Enable SMS	Toggle the button to enable/disable SMS feature.
SMS Carrier	Choose Amazon as the SMS carrier.
Region	Choose your region. <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> </ul>
<b>Username</b>	Configure your Amazon account ID.
<b>Password</b>	Configure your Amazon account password.

## SMS Template

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
 <p>No data</p>				

*SMS Delivery Log*

## PBX Upgrades

On this page, the user can manage the license for upgrading the PBX capabilities of the GCC. When the license file is acquired, the user can upload the license file in this section.

**PBX Upgrades**

**Max extensions 12, max concurrent calls 4**

You can expand the number of extensions and online concurrent connections by purchasing licenses.

Extension: .dat / .lic

[Learn More](#)

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*PBX Upgrades*

### Note

Please note that only the .dat and .lic files are supported.

## 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. This option is disabled by default to prevent the device from updating upon booting.
- **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.

The screenshot shows the 'Upgrade' page for a GCC6010 device. At the top, it displays the device model 'GCC6010' and 'Current Version 1.0.5.2'. Below this, there are two main sections: 'Online Upgrade' and 'Upgrade via Manual Upload'.  
**Online Upgrade Section:**  
 - **Mode:** Radio buttons for 'Official Online Upgrade' (selected) and 'Upgrade via Network'.  
 - **Firmware Server Path:** A text field containing 'firmware.gdms.cloud'.  
 - **Allow DHCP Option 43 and 66 to Override Server:** A toggle switch that is currently disabled. A tooltip message states: 'The function is disabled. To enable it, please go to [\[UI\\_Endpoints>Fest:Provision\]](#) and turn off "Sync DHCP Option Configuration".'  
 - **Check/Download New Firmware at Bootup:** A toggle switch that is currently disabled.  
 - **Scheduled Upgrade:** A toggle switch that is currently disabled.  
 - **Buttons:** 'Cancel', 'Save', and 'Save and Detect New Version'.  
**Upgrade via Manual Upload Section:**  
 - **System Firmware (.bin):** An 'Upload' button.  
 - **PBX Firmware (.bin):** An 'Upload' button.  
 - **System + PBX Firmware (.bin):** An 'Upload' button.  
 At the bottom right of the interface, there is a copyright notice: '© 2024 Grandstream Networks, Inc.'.

### 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.

Parameter	Description
<b>Online Upgrade</b>	
Mode	<ul style="list-style-type: none"> <li>● <b>Official Online Upgrade:</b> Use Grandstream servers to upgrade the device.</li> <li>● <b>Upgrade via Network:</b> Use a specific protocol and server to upgrade the device.</li> </ul>

Allow DHCP Option 43 and 66 to Override Server	<p>If enabled, DHCP options 66 and 43 will override the upgrade and provisioning settings.</p> <p>If disabled, use the configured server path to request firmware information by default.</p> <p><b>Note:</b> In the official online upgrade mode, "Detect New Version" uses the official default address, and this configuration does not take effect.</p>
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	Enable this option and select the schedule for checking if there is a new firmware version. If a new version is detected, the device will perform the update according to the schedule.
<b>Upgrade via Manual Upload</b>	
System Firmware (.bin)	Upgrade the system's firmware by uploading the firmware image. Only .bin file extensions are allowed.
PBX Firmware (.bin)	Upgrade the PBX's firmware by uploading the firmware image. Only .bin file extensions are allowed.
Firmware (.bin)	Upgrade both the system and PBX firmwares by uploading one firmware file. Only .bin file extensions are allowed.

## Backup & Restore

On the "Backup & Restore" page, the user can back up the data of the GCC device manually or using a scheduled backup.

The restore function allows the import of a backup file to restore the GCC.

When backing up the data, the user can choose the data of the GCC modules to be backed up.

**Backup & Restore**

**Restore Backup**

Recovery can be performed based on the imported configuration file. If the recovery fails and the device becomes unusable, press and hold the device's Reset button for 10 seconds to restore the factory configuration.

[Upload Backup File](#) Extension: .tar, file size does not exceed 50MB.

**Backup**

Backup files can be exported and saved locally, to a storage server, or to a connected storage device. If you need to restore this configuration in the future, just import the backup file directly.

Back Up Now [+ Create](#)

Scheduled Backup ● Disabled [✎](#)

**Backup file**

[Local](#)

<input type="checkbox"/>	File Name	Size	Time	⇅ Operation
No data				



No data

## Restore Backup

Press the "Upload Backup File" button to import a previously saved backup file from your computer.

**Restore Backup**

Recovery can be performed based on the imported configuration file. If the recovery fails and the device becomes unusable, press and hold the device's Reset button for 10 seconds to restore the factory configuration.

**Upload Backup File** Extension: .tar, file size does not exceed 50MB.

### Note:

The backup file should have the extension ".tar" and should not exceed 50 MB.

If the recovery fails and the device becomes unusable, press and hold the device's Reset button for 10 seconds to restore the factory configuration.

## Backup

Backup files can be exported and saved locally, to a storage server, or to a connected storage device.

The administration can select the time to back up as follows

**Back up Now:** Press  button to initiate an immediate backup.

1. Choose Storage Location: Local or Storage Server.

o Storage Location: **Local**.

**New Backup** ✕

\* Choose Storage Location

Local ▾

\* Selecting Backup Content

Home, Networking, Firewall, Network Nodes (Only configuration File)

PBX, UC Endpoints (Only configuration File)

*New Backup – Local*

o Storage Location: **Storage Server**.

**New Backup** ✕

**\* Choose Storage Location**

Storage Server ▼

**\* Storage Server address**  
IP address (allows ".port"), supported SFTP server

Please enter

**\* Username**

Please enter

**User Password**

Please enter 🔍

**\* Selecting Backup Content**

- Home, Networking, Firewall, Network Nodes
- PBX, UC Endpoints

CancelBackup

*New Backup – Storage Server*

Enter the Storage Server Address, Username, and Password.

The storage server must be an SFTP server.

2. Select the backup Content. (Home, Networking, Firewall, Network Node and/or PBX, UC Endpoints).

**Scheduled Backup:** Press New Schedule to create a new backup schedule.

**Scheduled Backup** ✕

**Enable**

**\* Choose Storage Location**

Storage Server ▼

**\* Storage Server address**

IP address (allows ":port"), supported SFTP server

Please enter

**\* Username**

Please enter

**User Password**

Please enter 🗕

**\* Selecting Backup Content**

Home, Networking, Firewall, Network Nodes

PBX, UC Endpoints

**\* Schedule**

Please enter ▼

Cancel
Save

*Scheduled Backup*

1. Check "Enable" to enable the backup schedule.
2. Choose Storage Location: Storage Server (only)
3. Storage Server Address: Enter the IP address:port of the SFTP server.
4. Username: Enter the SFTP server username.
5. User Password: Enter the SFTP server password.
6. Select the backup content (Home, Networking, Firewall, Network Nodes and/or PBX, UC Endpoints).
7. Schedule: Select a schedule. If no schedule is defined, press the "New Schedule" button to create it.

Only one scheduled backup can be configured.

**Backup file:** List the local backup files.

**Backup file**

Local 🗑 Delete

<input checked="" type="checkbox"/>	File Name	Size	Time	⌵	Operation
<input checked="" type="checkbox"/>	GCC6010_backup_20241204_152845.tar	13.88 MB	2024-12-04 08:28:33 UTC-06:00		<span>📄</span> <span>⬇</span> <span>🔄</span> <span>🗑</span>
<input checked="" type="checkbox"/>	GCC6010_backup_20241204_152353.tar	267.50 KB	2024-12-04 08:23:27 UTC-06:00		<span>📄</span> <span>⬇</span> <span>🔄</span> <span>🗑</span>

Administrators can operate them as follows:

📄: To check the details.

⬇: To download the backup file to a local computer.

: To restore the local backup file.

: To delete the backup file.

 **Delete**: Select multiple backup files and batch delete them.

## Factory Reset

On this page, the user can perform a factory reset for the entire system. This will delete all the modules' data and configuration which are stored on the local storage of the device. If the user uses the "Factory Reset" button under **Only PBX Module**, only the data and configuration in the PBX module will be deleted. The other modules are not affected by this action.

### Factory Reset

**Entire System**

After factory reset, all GCC6010W configurations will be reset to the factory settings. Please do it with caution! It is recommended that you backup the current configurations before factory reset.

**Factory Reset**

**Only PBX Module**

Only the PBX module is restored to factory status. It is recommended that you back up the current configuration before restoring to factory.

**Factory Reset**

*Factory Reset*

### Warning

Resetting the device to the factory settings will delete all the data and configuration which are stored on the device. Please proceed with caution as this data cannot be recovered after the factory reset.

### Note

Please note that the attached storage such as a USB flash drive or M.2 SSD is not affected when factory-resetting the device.

## 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									
		Networking Notification Center		Firewall Security Log		PBX Notification Center			
<a href="#">Export All</a> <a href="#">Delete</a> <a href="#">Notification Settings</a>		Start date → End date		All Types		All Levels		MAC/Device Name/Userna...	
<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					

All: 16 < 1 2 > 10 / page Go to Page

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.

## Operation Log

The Operation Log page provides administrators with a comprehensive overview of all logged operations, offering detailed information about each activity. This feature ensures transparency and allows administrators to monitor, analyze, and manage system activities effectively.

**Note:**

Logs are saved for 180 days by default and are automatically cleared when the period expires or the disk space reaches the threshold.

From this page, the administrator can monitor system operations, including login actions and their outcomes (success or failure), date/time, IP address, username, and Page. Additionally, the administrator can add remarks for each action by editing the remark column using the provided button .

### *Operation Log*

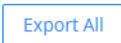
The administrator can utilize filters to quickly find the needed information.

The supported filters are:

- Date: Specify a Start date and End date to narrow down results.
- Operation Terminal: Choose from All Operation Terminals, Local, GDMS Networking, Manager, or CLI.
- Module: Filter by specific module such as All Modules, Home, Networking, Firewall, or Network Nodes.
- Username / IP Address: Enter the username or IP address for precise filtering.

**Notes:**

- The filters can be combined for better results.
- Click  on the top right corner to access the PBX Operation Log module.

To export the logs, press  button. The logs will be saved in a CSV file.

## 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.



## CHANGE LOG

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 1.0.5.6 (PBX version 1.0.27.14)**

Main:

- Added Operation Log to the Home module. [[Operation Log](#)]
- Added Scheduled Backup support. [[Backup & Restore](#)]

- Added support of MTA type for Email settings. [[Email Settings](#)]

#### Networking Module:

- Added support for the Balancing strategy in Policy Routes Settings. [[Balancing Strategy](#)]
- Added Support for VRRP protocol. [[VRRP](#)]
- Added option to preserve VPN configuration when the VPN is disabled. [[VPN](#)]
- Added Speed Test for the GCC from the GDMS Networking. [[WAN](#)]
- Set the maximum IPsec tunnels to be created at 64 tunnels. [[IPSec](#)]

#### Firewall Module:

- Added outbound rules. [[Outbound Rules](#)]
- Updated IDS/IPS: Removed WAN selector and enabled automatic detection of all WANs by default. [[IDS/IPS](#)]
- Added support for detecting SMTP(S) and POP3(S) protocols in Antivirus configuration and SSL basic settings. [[Anti-Malware](#)]
- Added import and export list to DNS Filtering. [[DNS Filtering](#)]
- Added import and export list to Web Filtering. [[Web Filtering](#)]
- Added import and export list to SSL Proxy Exemption List. [[SSL Proxy](#)]
- Added the option to enable the rule by schedule for DNS Filtering, URL Filtering, Keyword Filtering and Application Filtering. [[DNS Filtering](#)] [[URL Filtering](#)] [[Keyword Filtering](#)] [[Application Filtering](#)]
- Enhanced the function interface and added the application list. [[Application Filtering](#)]
- Added Geo-IP Filtering [[Geo-IP Filtering](#)]
- Added Domain Name – Wildcard option to SSL Exempted Address. [[SSL Proxy](#)]
- Added support for settings log levels for security log and advanced filtering items. [[Security Log](#)]
- Added support for SNI and Common Name (CN) in DNS filtering. [[DNS Filtering](#)]

#### Networking Nodes Module:

- Added support for 6G frequency bands. [[Radio](#)] [[SSID](#)] [[MESH](#)]
- Added support for Cloud delivery of PPSK configurations. [[PPSK](#)]

#### PBX Module:

- Added Account SIP Trunk [[Account SIP Trunk](#)]
- Added support for searching CallerID in a third-party MySQL database [[Inbound Route: Third-party Database Search](#)]
- Added support for integration with Don't Call Me database [[Don't Call Me Blacklist Integration](#)]
- Added support for ZRTP on the extensions level [[Create New SIP Extension](#)]
- Added support for ZRTP on the trunk level [[VoIP Trunk Configuration](#)]
- Added support for enabling multiple Wave session on the same platform [[Create New SIP Extension](#)]
- Added support for verifying ACS [[TR-069](#)]
- Added Task Management feature [[Task Management](#)]
- Added support for search function in LDAP server phonebooks [[LDAP Phonebook](#)]
- Added support for data encryption on the local storage and attached storage [[Data/File Encryption](#)]
- *Password Visibility Toggle* has been added to the Admin privilege [[Super Administrator](#)]
- Added Merge Same Call Recordings setting [[PBX SETTINGS](#)]
- Added support for adding suffix to Call Forward Enable/Disable feature [[Feature Codes](#)]
- Added icons next to feature codes to indicate whether or not they can be nested by other feature codes [[Feature Codes](#)]
- Added support for Time Condition Routing [[TIME CONDITION ROUTING](#)]
- Added support for Custom Time Groups [[Custom Time Groups](#)]

- Added support for custom announcement for Call Queue [[Configure Call Queue](#)]
- Added Reset Agent Call Counter to Call Queue [[Configure Call Queue](#)]
- Added number and percentage of transferred calls in the Call Queue Switchboard [[Configure Call Queue](#)]
- Added Call Memory in Call Queue [[Configure Call Queue](#)]
- Updated Wake-up Service by adding call failure notification [[Wakeup Service](#)]
- Room status can now be modified using the API [[API CONFIGURATION](#)]
- Odoo CRM integration has been added [[Odoo CRM](#)]
- Added custom repeating setting when scheduling meetings [[Schedule Meeting](#)]
- Added Extension Login Management module [[Extension Login Management](#)]
- Added Wave Administrator privilege [[Create New SIP Extension](#)][[Custom Privilege](#)]
- Added Download Chat Logs privilege [[User Portal/Wave Privileges](#)]
- Added Remote Logout Wave Privilege [[User Portal/Wave Privileges](#)]
- Added API support to retrieve recording filename [[API CONFIGURATION](#)]
- Added new API command to send message broadcasts to extensions/extension group. [[API CONFIGURATION](#)]
- Added new parameters for the Call Queue. [[API CONFIGURATION](#)]
- Added enable/disable setting for Paging/Intercom [[Paging/Intercom](#)]
- Added support for configuring custom agent pause reason with a custom prompt [[Global Queue Settings](#)]
- Added support for allowing multiple login session from the same platform for Wave [[Create New SIP Extension](#)]
- Added TLS key download in Ethernet Capture diagnosis tool [[Ethernet Capture](#)]
- Increased members notified for Emergency Calls from 10 to 30 [[Emergency Calls](#)]
- Added Wave Upgrade page where users can manually update the system's Wave Web. [[Upgrade Wave](#)]

#### UC Endpoints Module:

- Added Support for LDAP configuration to be pushed through Fast Provisioning. [[LDAP Phonebook](#)]

#### **Firmware version 1.0.3.6 (PBX version 1.0.25.41)**

- No major changes.

#### **Firmware version 1.0.3.5 (PBX version 1.0.25.40)**

#### Main:

- Added the option to format unmounted SSD through the overview page. [[Overview](#)]
- Added the graphs for the number of sessions established and the total number of concurrent sessions. [[Overview](#)]
- Added support for displaying the offline devices on the topology. [[Topology](#)]
- Added support for disabling/enabling the redirection from port 80 when access the web UI. [[Web Access](#)]
- Added support for upgrading all the modules using one firmware file. [[Upgrade](#)]
- Added support for factory reset the PBX data and configuration separately from the other modules. [[Factory Reset](#)]

#### Networking Module:

- Added the option to allow multiple WANs to share the same VLAN ID. [[WAN](#)]
- Added the requirement that when **IPv6 is enabled on the WAN**, the minimum **MTU** must be **1280**. [[WAN](#)]
- Added WAN port MAC address configuration. [[WAN](#)]
- Added the requirement that not all LAN ports can be disabled [[Port Configuration](#)]
- Added the assurance that disabling the WAN will not delete dependent configurations. [[WAN](#)]
- Added support for exporting .pem format certificates. [[Certificates Import and Export](#)]
- Added a black hole option for the outgoing interface. [[Static Routes](#)]

- Added PBX service [[VoIP Settings](#)]
- Added support for core files batch deletion [[Core files](#)]
- Added support for storage options under packet capture [[Capture](#)]
- Added alarm Notification Settings and Email Notification Settings for takeover/un-takeover, switch online and offline alarms [[Alerts & Notifications](#)]

Firewall Module:

- Updated the firewall package information link [[Overview](#)]
- Added ARP Protection – Static ARP List [[Static ARP List](#)]
- Added exception IP under content control [[IP Exception – Content Control](#)]
- Added search for application filtering rules [[App Filtering Rules](#)]

PBX Module:

- Added support for formatting USB flash drives from the web UI. [[USB Disk/SD Card File Management](#)]

#### **Firmware version 1.0.1.34 (PBX version 1.0.25.21)**

- No major changes.

#### **Firmware version 1.0.1.32 (PBX version 1.0.25.17)**

- This is the initial version for GCC6010W and GCC6011.

#### **Firmware version 1.0.1.10 (PBX version 1.0.25.11)**

- Disabled Check/Download New Firmware at Boot up by default. [[Upgrade](#)]

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

- This is the initial version.

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### **Certification Regulatory Information**

- U.S. FCC Part 15 Regulatory Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

- Canada Regulatory Information

CAN ICES-003 (B)/NMB-003(B)

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.