

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:

- [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

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	12 users and 4 concurrent calls by default. Upgrades available for purchase (See more for PBX capacity upgrade options).

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
Firewall	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
VPN	<ul style="list-style-type: none"> • IPsec VPN Client-to-Site / Site-to-Site • IPsec Encryption: 3DES, AES • IPsec Authentication: MD5, SHA-1, SHA2-256 • IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14 • IPsec Protocols: ESP • IPsec NAT Traversal • PPTP VPN Server / Client • PPTP Encryption: MPPE 40-bit, 128-bit • PPTP/L2TP Authentication: MS-CHAPv1/2 • L2TP Client-to-Site • OpenVPN® Server / Client • OpenVPN® Encryption: AES, DES • OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512 • OpenVPN® Certificate: RSA • WireGuard®
Network Management	GDMS, Local Web GUI, CLI (Console, Telnet) and SNMP (v1/ v2c/v3)
Max AP/Clients	Up to 150 GWN APs; Up to 500 Clients
Power and Green Energy Efficiency	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
Environmental	Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
Physical	Unit Dimension: 191x 101 x 29mm Unit Weight: 520g Entire Package Dimension: 300 x 130 x 53 mm Entire Package Weight: 835g

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

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) 2.4GHz: maximum gain 4.5dBi 5 GHz: maximum gain 5dBi
Wi-Fi Data Rates	5G: 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 2.4G: 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
Frequency Bands	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
Channel Bandwidth	2.4G: 20 and 40 MHz 5G: 20, 40, 80, 160 MHz
Wi-Fi and System Security	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
MU-MIMO	2x2 2G/3x3 5G
Maximum TX Power	5G: 25.5dBm 2.4G: 24dBm *Maximum power varies by country, frequency band and MCS rate
Receiver Sensitivity	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

Network Ports	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	3Gbps
IPsec VPN Throughput	1Gbps
NAT Sessions	160K
IDS/IPS	900Mbps
PBX	12 users and 4 concurrent calls by default Upgrades available for purchase (See more for PBX capacity upgrade options)
Mounting	Desktop
Material	Plastic Mini-Tower
LEDs	9 x LEDs 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
Firewall	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
VPN	IPsec VPN Client-to-Site / Site-to-Site <ul style="list-style-type: none"> • IPsec Encryption: 3DES, AES • IPsec Authentication: MD5, SHA-1, SHA2-256 • IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14 • IPsec Protocols: ESP • IPsec NAT Traversal • PPTP VPN Server / Client • PPTP Encryption: MPPE 40-bit, 128-bit • PPTP/L2TP Authentication: MS-CHAPv1/2 • L2TP Client-to-Site • OpenVPN® Server / Client • OpenVPN® Encryption: AES, DES • OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512 • OpenVPN® Certificate: RSA • WireGuard®

Network Management	GDMS, Local Web GUI, CLI (Console, Telnet) and SNMP (v1/v2c/v3)
Max AP/Clients	Up to 150 GWN APs; Up to 500 Clients
Power and Green Energy Efficiency	Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 48VDC 1A (48W) PoE: N/A
Environmental	Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
Physical	Unit Dimension: 95 x 95 x 193 mm Unit Weight: 565g Entire Package Dimension: 186 x 127 x 105 mm Entire Package Weight: 920g
Package Content	GCC6010W, Universal Power Supply, Quick Installation Guide
Compliance	FCC, CE, RCM, IC

GCC6011 Technical Specifications

Network Ports	2 x 2.5 Gigabit SFP port and 10 x Gigabit Ethernet ports *Fixed 3 x WAN
Auxiliary Ports	1xMicro-SD, 1xUSB 3.0, 1xReset
Memory	2GB RAM, 32GB eMMC Flash
External Storage	Optional, up to 1T M.2 SSD
Router	2.5Gbps
IPsec VPN Throughput	1Gbps
NAT Sessions	160K
IDS/IPS	900Mbps
PBX	12 users and 4 concurrent calls by default Upgrades available for purchase (See more for PBX capacity upgrade options)
Mounting	Desktop/Wall/Rack-mounting
Material	Metal
LEDs	12 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
Firewall	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
VPN	<ul style="list-style-type: none"> • IPsec VPN Client-to-Site / Site-to-Site • IPsec Encryption: 3DES, AES • IPsec Authentication: MD5, SHA-1, SHA2-256 • IPsec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14 • IPsec Protocols: ESP • IPsec NAT Traversal • PPTP VPN Server / Client • PPTP Encryption: MPPE 40-bit, 128-bit • PPTP/L2TP Authentication: MS-CHAPv1/2 • L2TP Client-to-Site • OpenVPN® Server / Client • OpenVPN® Encryption: AES, DES • OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512 • OpenVPN® Certificate: RSA • WireGuard®
Network Management	GDMS, Local Web GUI, CLI (Console, Telnet) and SNMP (v1/ v2c/v3)
Max AP/Clients	Up to 150 GWN APs; Up to 500 Clients
Power and Green Energy Efficiency	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
Environmental	Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing
Physical	Unit Dimension: 280 x 180 x 44 mm Unit Weight: 1200g Entire Package Dimension: 366 x 211 x 53 mm Entire Package Weight: 1600g
Package Content	GCC6010/GCC6011, Universal Power Supply, Rack mount kit (Only GCC6011), Quick Installation Guide
Compliance	FCC, CE, RCM, IC

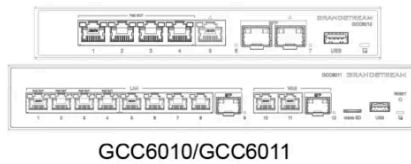
INSTALLATION

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.

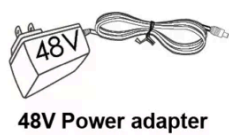
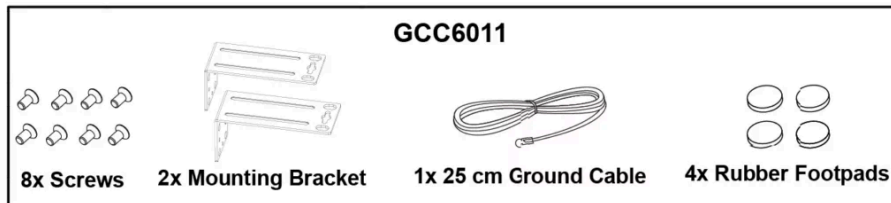
Package Content

GCC601X(W)	1
Power Adaptor	1
Ethernet Cable	With GCC6010W only.
Rack Mount Kit	with GCC6011 only.
Simplified Quick Installation Guide	1
SSD Installation	2x screws & 1x nut (GCC6011 only).
Ground Cable	with GCC6011 only.
Rubber footpads	with GCC6010/GCC6011 only.

GCC6010/GCC6011 Package Content

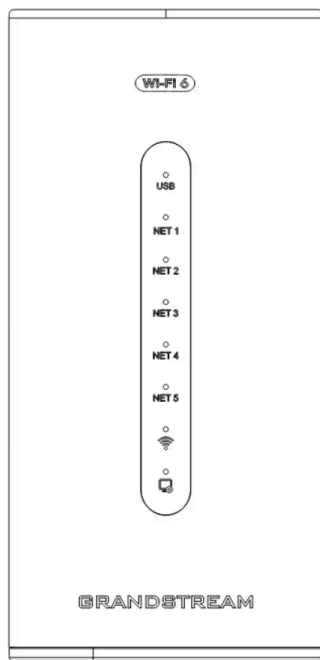


GCC6010/GCC6011



GCC6010/GCC6011 Package Content

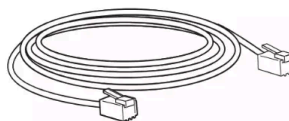
GCC6010W Package Content



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.

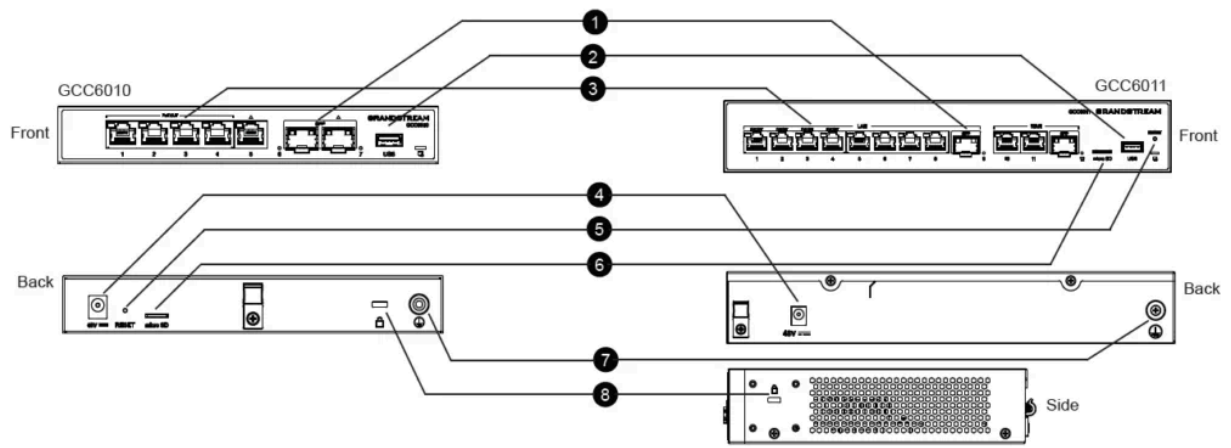
Warranty

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

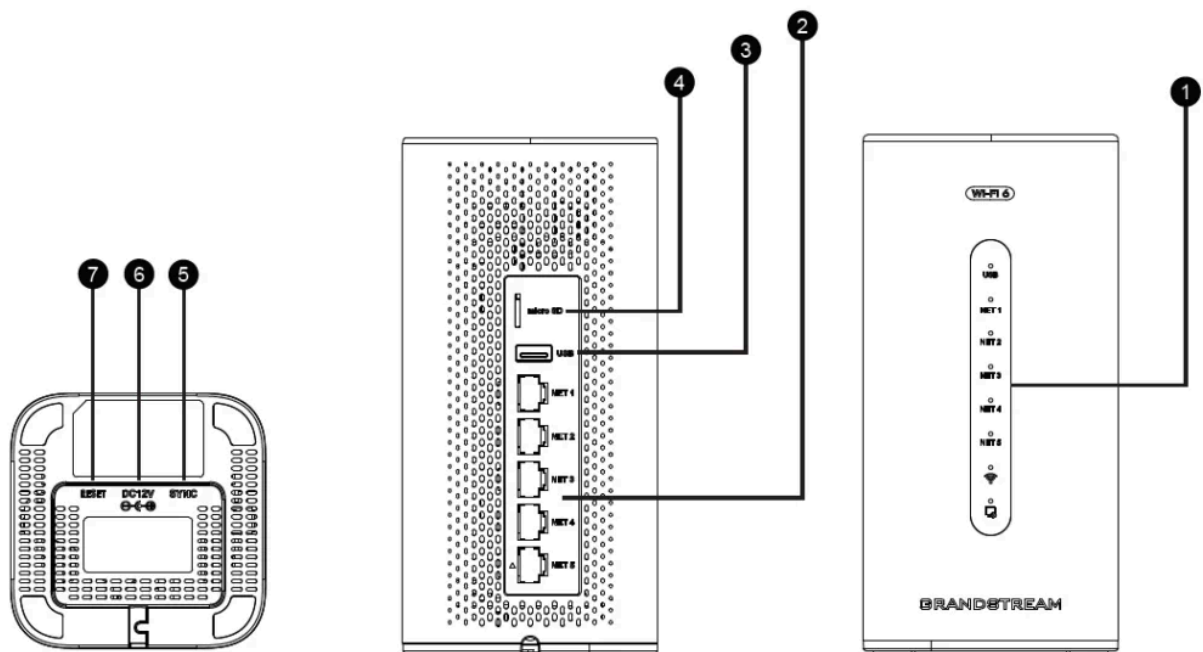
Use the power adapter provided with the GCC601X(W) device. Do not use a different power adapter as this may damage the device. This type of damage is not covered under warranty.

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



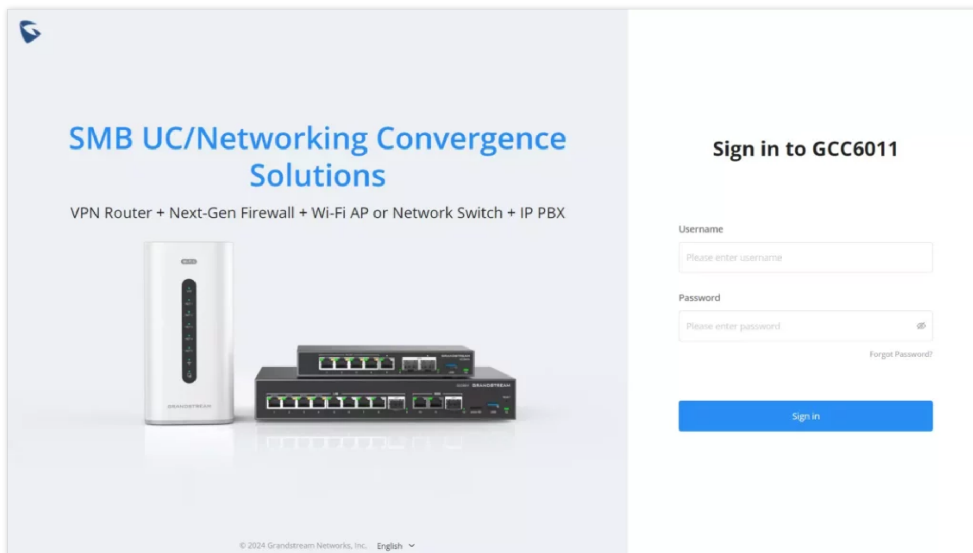
1	LED Indicators
2	NET Ports

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, ADSL broadband modem.
3. Connect a PC, laptop to one of the LAN ports for GCC6010 and GCC6011, or connect to SSID (Wi-Fi) only for GCC6010W.

Notes:

- o The default password information is printed on the MAC label on the bottom of the unit. The default username is **“admin”**.
- o Ports with this symbol Δ on GCC6010 are configured to be used as a WAN port by default at the factory.
- o 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, the percentage of the memory utilized.


Overview




GCC6010W




Networking




Firewall



Network Nodes



PBX



UC Endpoints

Version 1.0.0.33

Version 1.0.25.4

Basic Information

Device Name	GCC6010W
Hardware Version	V1.0A
Firmware Version	1.0.0.33
MAC Address	C0:74:AD:25:2A:08
LAN IP Address (Default)	192.168.80.1
Part Number	9640014410A
Serial Number	T789252A08
Boot Version	1.0.0.5
Uptime	01:15:05
System Time	2024-04-22 15:49:06

System Performance

CPU Load Low

Storage Performance Excellent

Memory Usage 37.90% (755 MB/1.95 GB)

Disk Usage 17.40% (2.18 GB/12.53 GB)

USB Disk Not connected

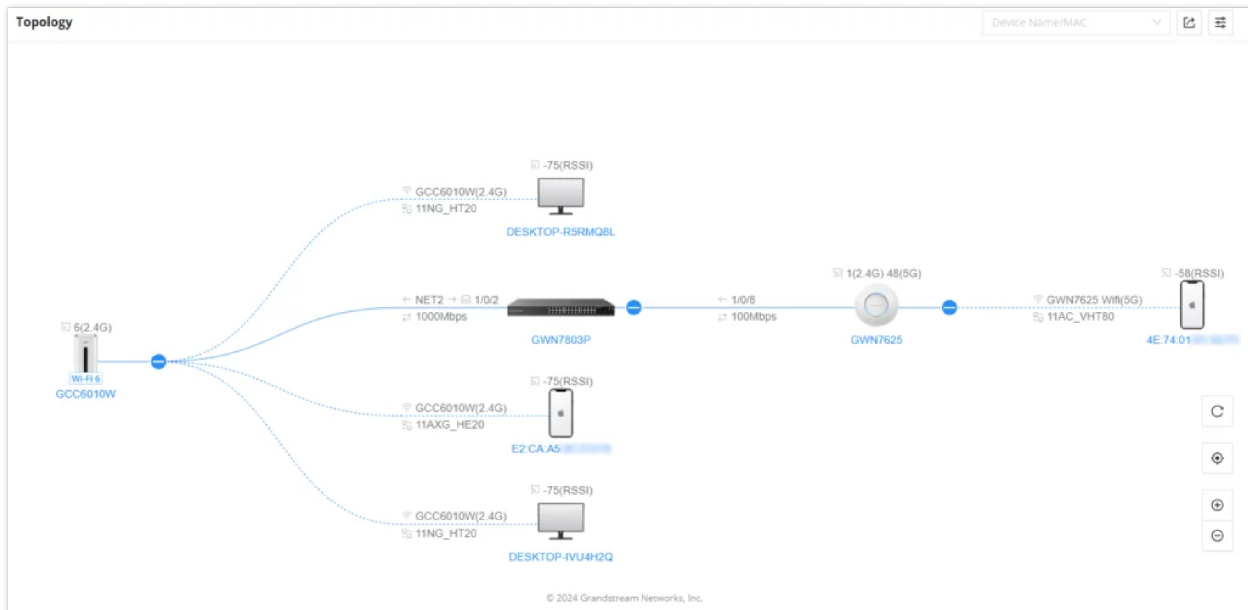
micro SD Not connected

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GCC601X Overview Page

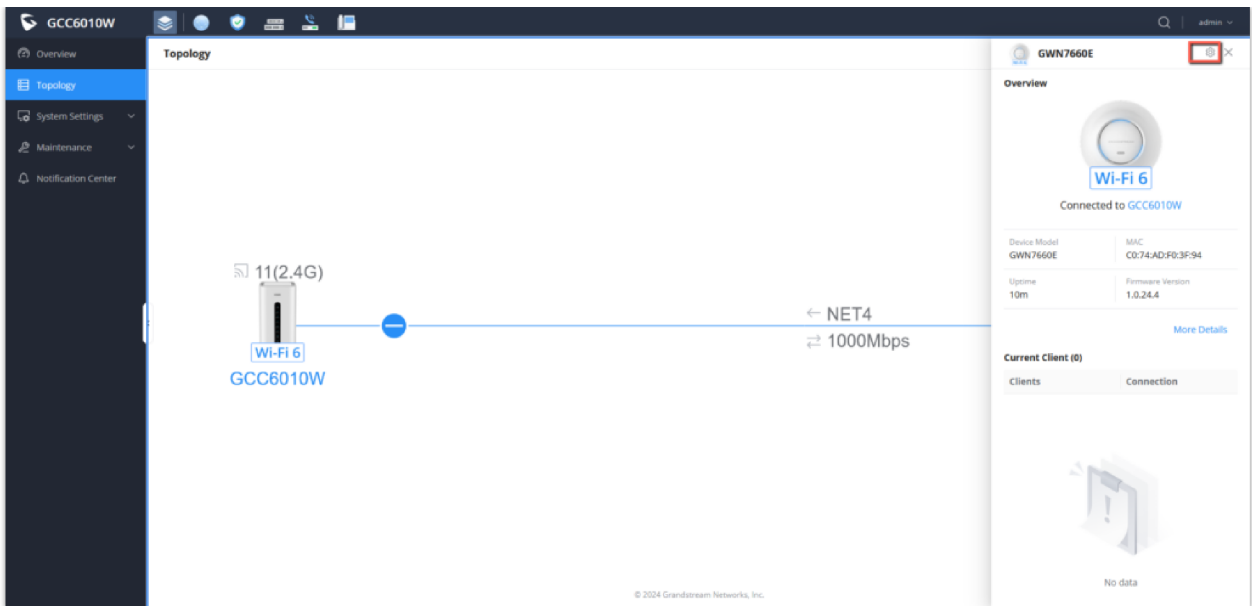
Topology

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

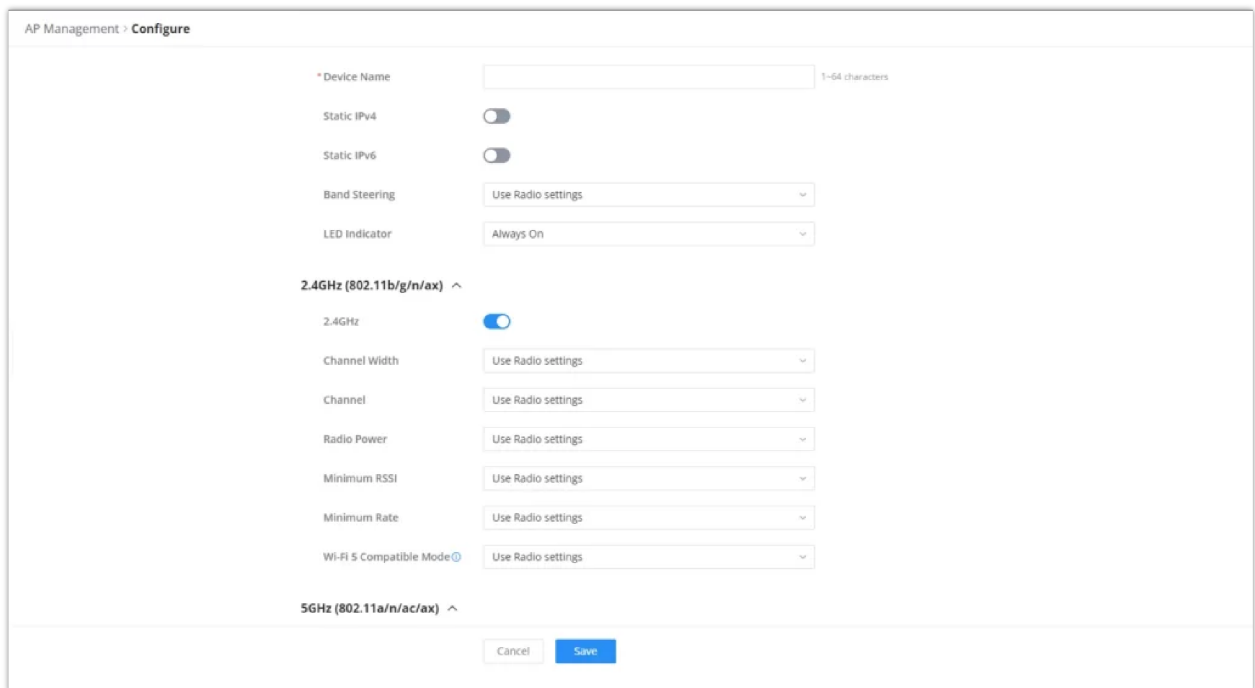


Topology


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 

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

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.

Q | admin ▾

Basic Settings

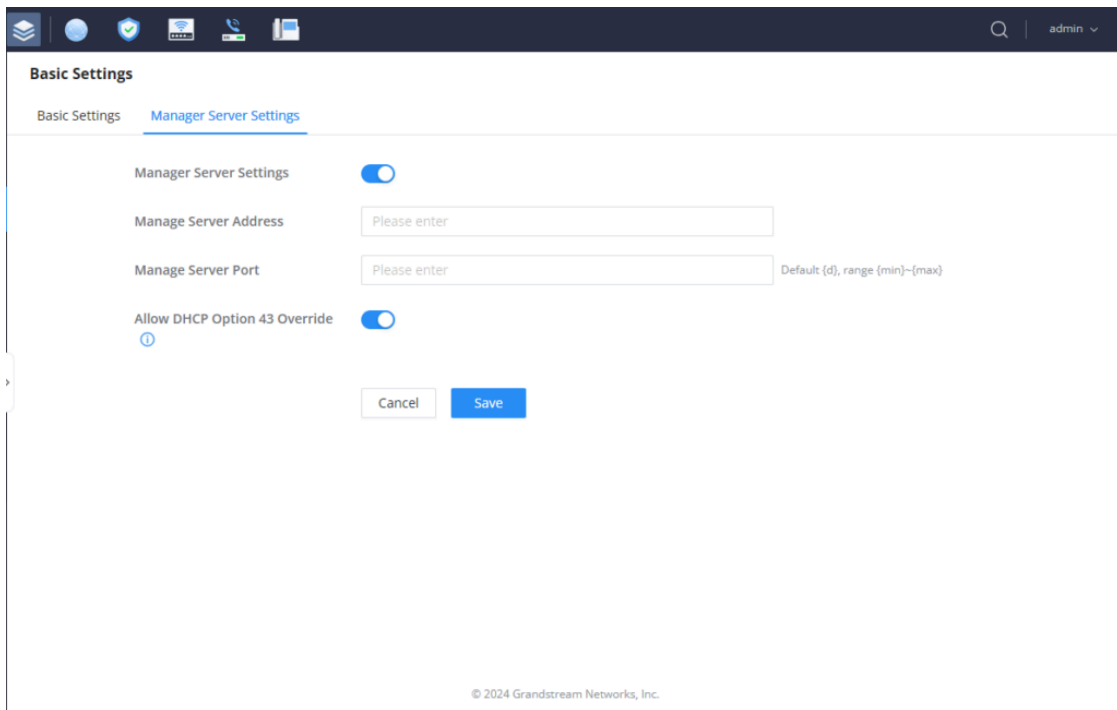
[Basic Settings](#) | [Manager Server Settings](#)

* 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



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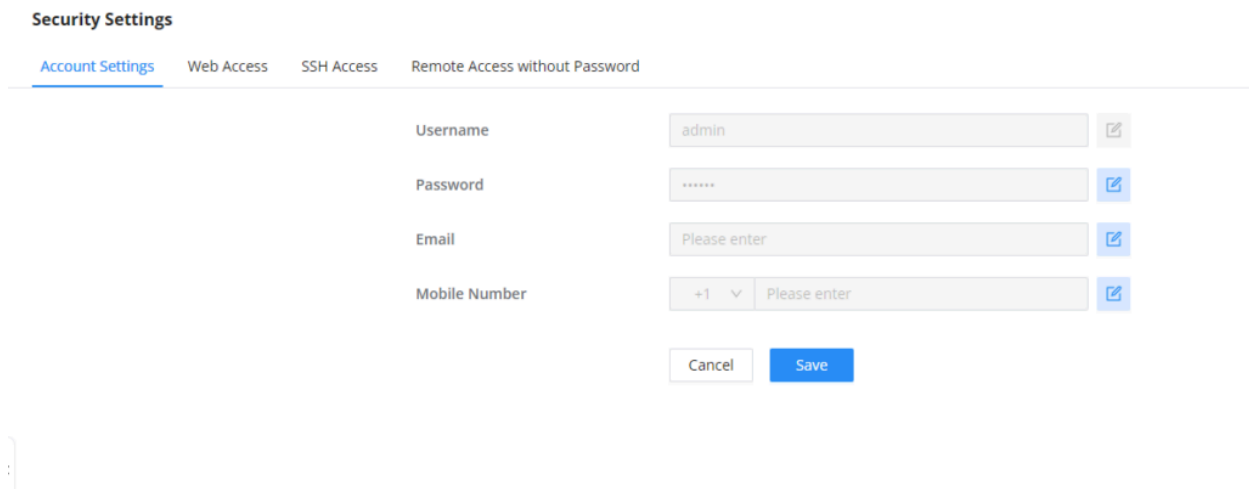
Manager Server Settings

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

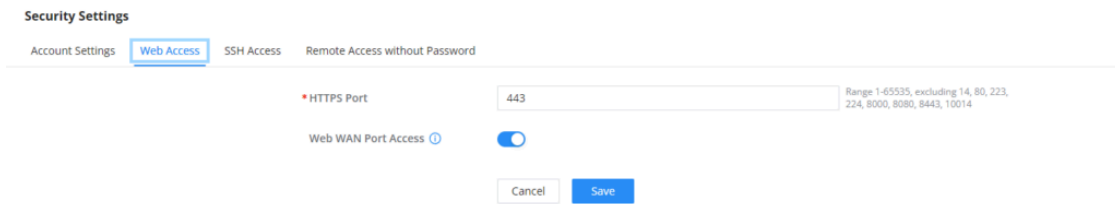
This tab allows the user to configure his/her username, password, email, and mobile phone number.



Account Settings

Web Access

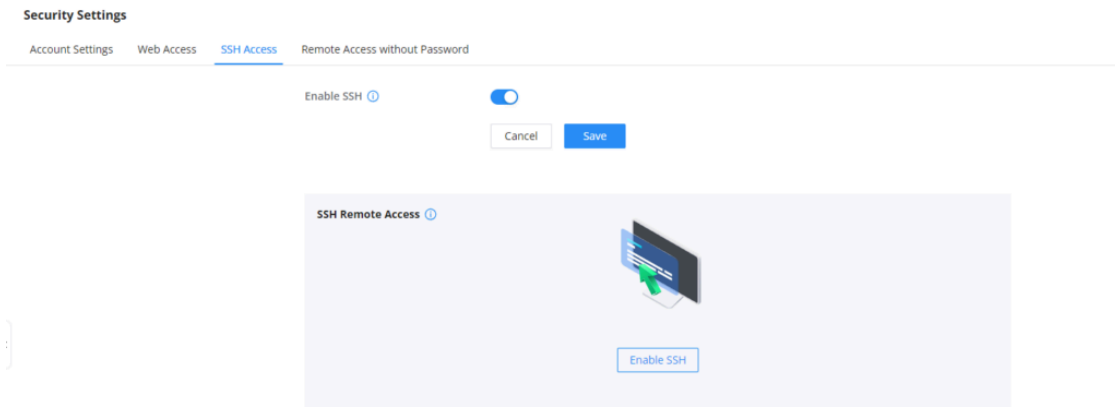
On this page, the administrator can configure to allow or prevent web access through the WAN port. The administrator can also configure the HTTPS port number used for web access.



Web Access

SSH Access

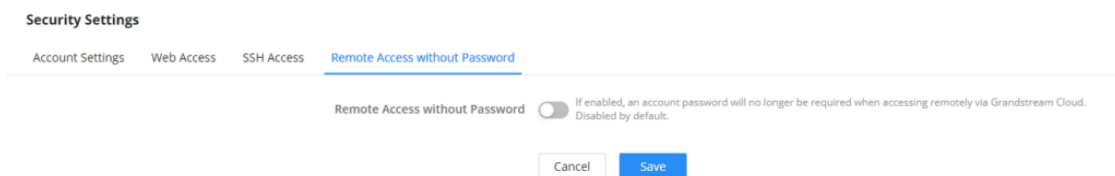
In this section, the user can enable SSH remote access to the device, this includes SSH remote access as well.



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.



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 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 < 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

Username	Enter the username. The username can consist of 4-64 characters, including letters, digits, and underscores.
Password	Enter the password. The password can consist of 8-32 characters, need to contain 2 types of numbers/letters/special characters
Email	Enter the email of the user. The email entered should be limited between 1-64 characters
Mobile Number	Enter the mobile number of the user. The phone number is limited between 2-18 digits
Role	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  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

Role Name	Network permissions	Firewall permissions	Network Nodes permissions	PBX permissions	PBX Custom Permissions	UC Endpoints permissions	Operation
SuperAdmin	Full management	Full management	Full management	Full management	Full management	Full management	 

* 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	

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

Email Template Sending Format HTML Plain Text

Mail Server Domain Configure the GCC internal email server domain (FQDN) to identify and authenticate email senders.

SMTP Server IPv4 Address

SASL Authentication

Username Email Address

Password

Email to Fax

Display Name 1-42 characters

Sender Email Address

Email Settings

TLS	Toggle TLS On/Off
Email Template Sending Format	<ul style="list-style-type: none"> • HTML: The emails will be sent in HTML format. • Plain Text: The emails will be sent as plain text.
SMTP Server	Enter the address of the SMTP server. The address can be either an IP address or a FQDN.
SASL Authentication	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.
Username	Enter the username created for the SMTP client.
Password	Enter the username created for the SMTP client.
Email To Fax	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.
Email-to-Fax Blacklist/Whitelist	The user can enable the Email-to-Fax Blacklist or Email-to-Fax Whitelist.
Email-to-Fax Subject Format	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.
Fax Sending Success/Failure Confirmation	Email address blacklist/whitelist for local extensions.
POP/POP3 Server Address/Port	Configure the POP/POP3 server address and port for the configured username Example: pop.gmail.com











Display Name	Specify the display name in the FROM header in the Email.
Sender	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.

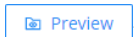
General Settings (Register an account on the phone or device)

Server Address-1	\${SERVR1_ADDR}
Public IP Address	\${PUB_ADDR}
Account Name	\${FULL_NAME}

[Preview](#)
[Restore Default Template](#)
[Template Variables](#)

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 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](#) ⊕

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

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

* Username Configure your Twilio account ID.

* Auth Token Twilio The key of the account.

* Messages Server ID Please enter the SMS Server ID.

* From Configures the source number of outgoing messages.

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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">• US East (N. Virginia)• US East (Ohio)• US West (N. California)• US West (Oregon)• EU (Ireland)• EU (London)• EU (Paris)• EU (Frankfurt)• EU (Stockholm)• EU (Milan)• Asia Pacific (Hong Kong)• Asia Pacific (Mumbai)

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

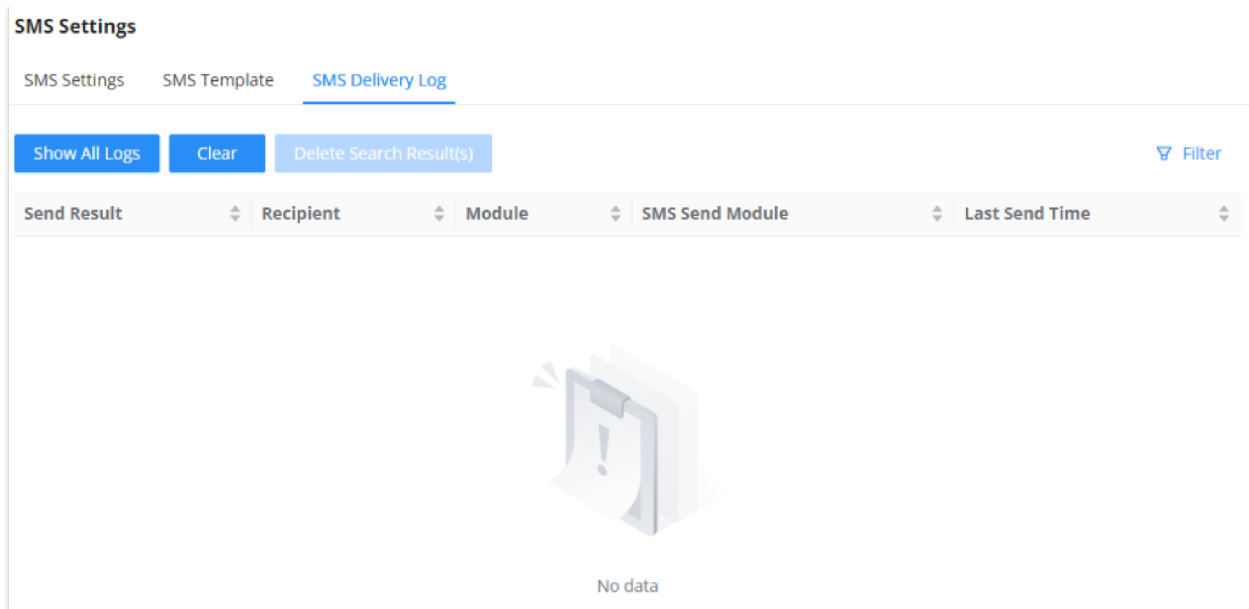
Type	Module	Template Content	Operation
Profile Code	UC Endpoints	[GCC6010W] Your Profile Code: \${EXTEN_PROFILE_CODE} Tips: 1. If your VoIP device has a display screen, please enter profile code on your device. 2. If your VoIP device does not have a display screen, please dial "\${EXTEN_PROFILE_CODE}#" 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

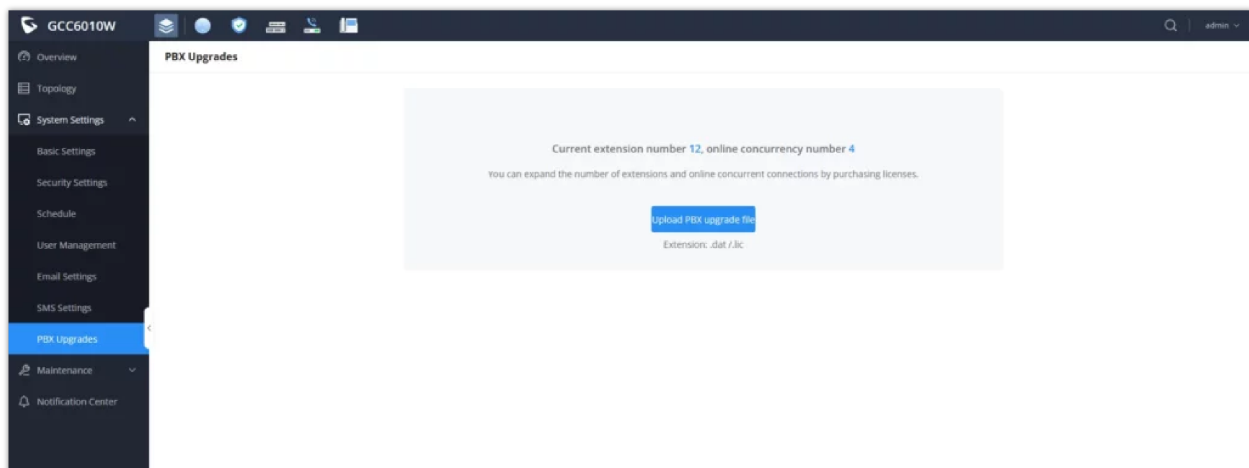
The "SMS Delivery Log" tab displays information about all the SMS messages that have originated from the GCC device.



SMS Delivery Log

PBX Upgrades

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



PBX Upgrades

Maintenance

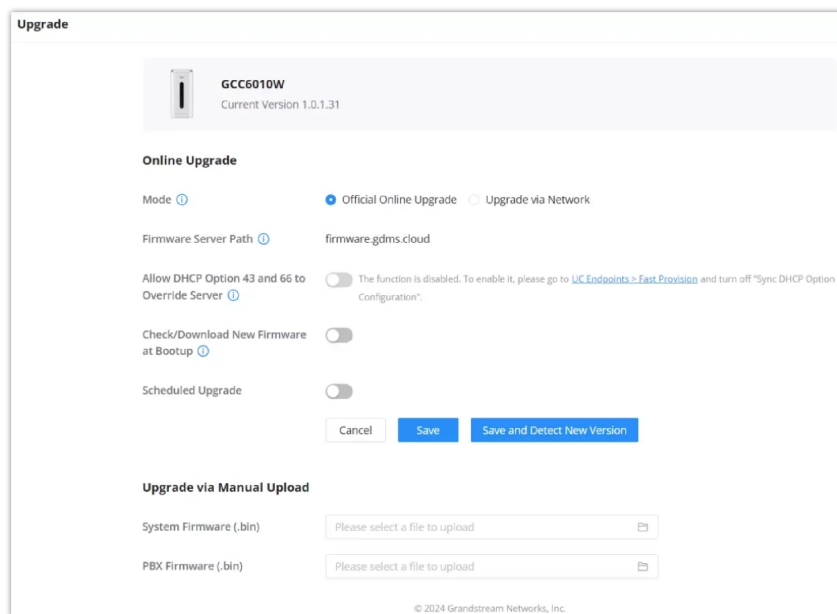
Upgrade

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. 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 firmwares 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.



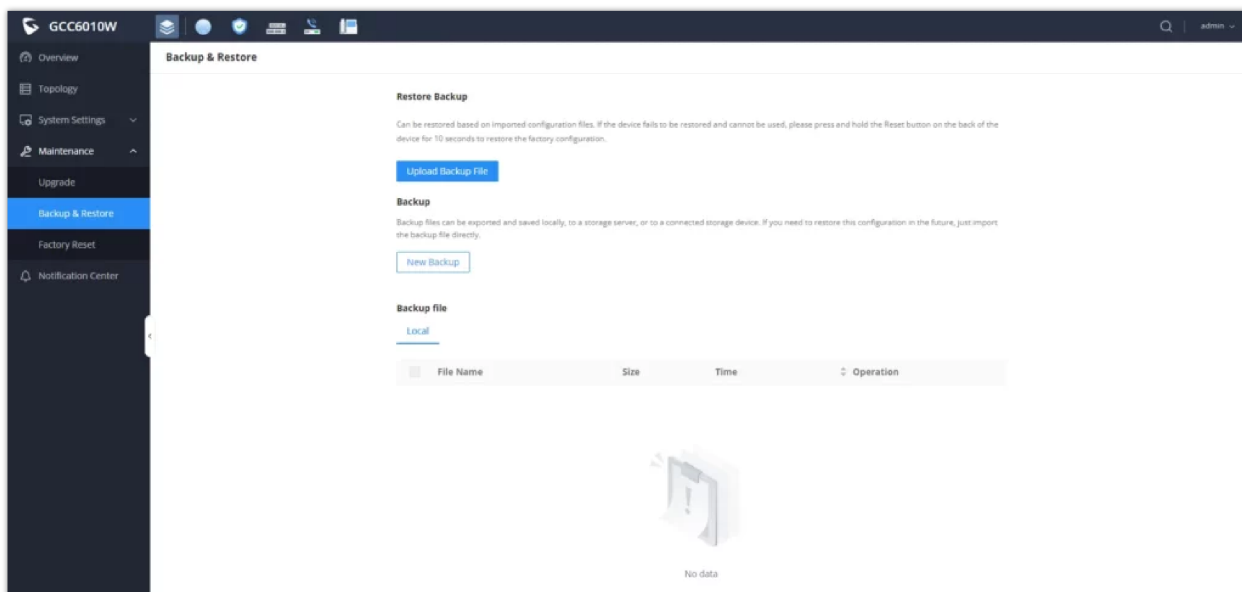
GCC Upgrade

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

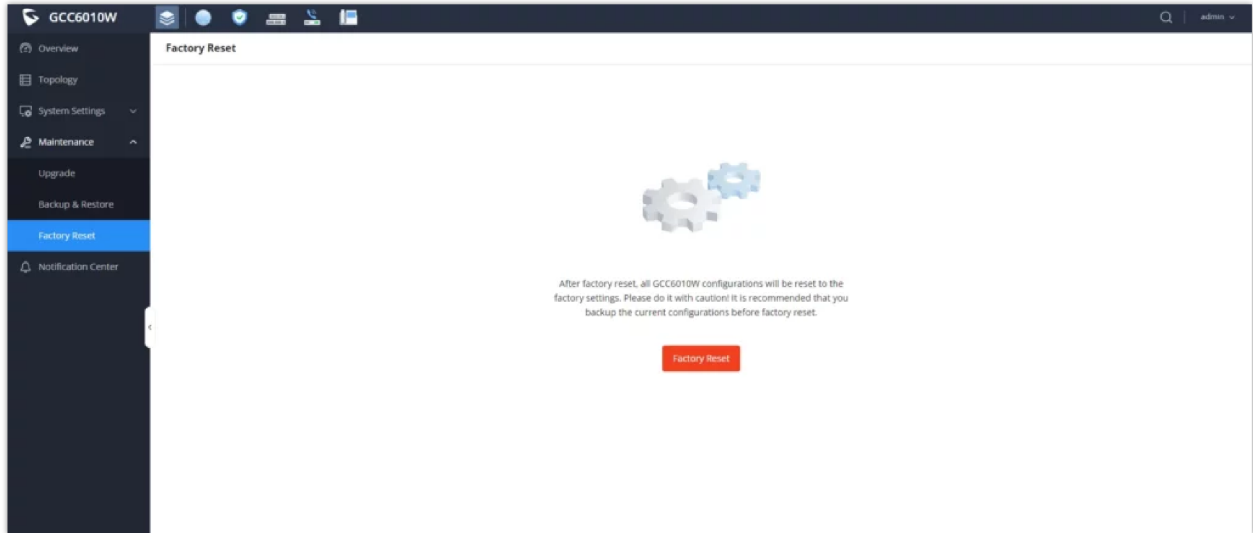
On the “Backup & Restore” page, the user can back up the data of the GCC device. When backing up the data, the user can choose the data of the GCC modules to be backed up.



Backup & Restore

Factory Reset

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



Factory Reset

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.

<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	

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.

<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 +

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.



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 1.0.1.34 (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.

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.

Need Support?

Can't find the answer you're looking for? Don't worry we're here to help!

[CONTACT SUPPORT](#)