

GWN Manager Release Notes

IMPORTANT UPGRADING NOTE

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FIRMWARE VERSION 1.1.28.10

PRODUCT NAME

GWN Manager

- File Name: GWN_Manager-1.1.28.10-AlmaLinux9.tar.gz
MD5 checksum: 4b5810e7fee80fed06346fbbba2ccd07c
- File Name: GWN_Manager-1.1.28.10-Ubuntu.tar.gz
MD5 checksum: 03f39dc4df2b02dd5c766212a85b2f9f
- File Name: GWN_Manager_1.1.28.10_AlmaLinux9.ova
MD5 checksum: 6dea3223059f554bf554cebda723f4cf
- File Name: GWN_Manager_1.1.28.10_Ubuntu.ova
MD5 checksum: 2860275dec4f50474b64c30c0cb26321

DATE

03/02/2024

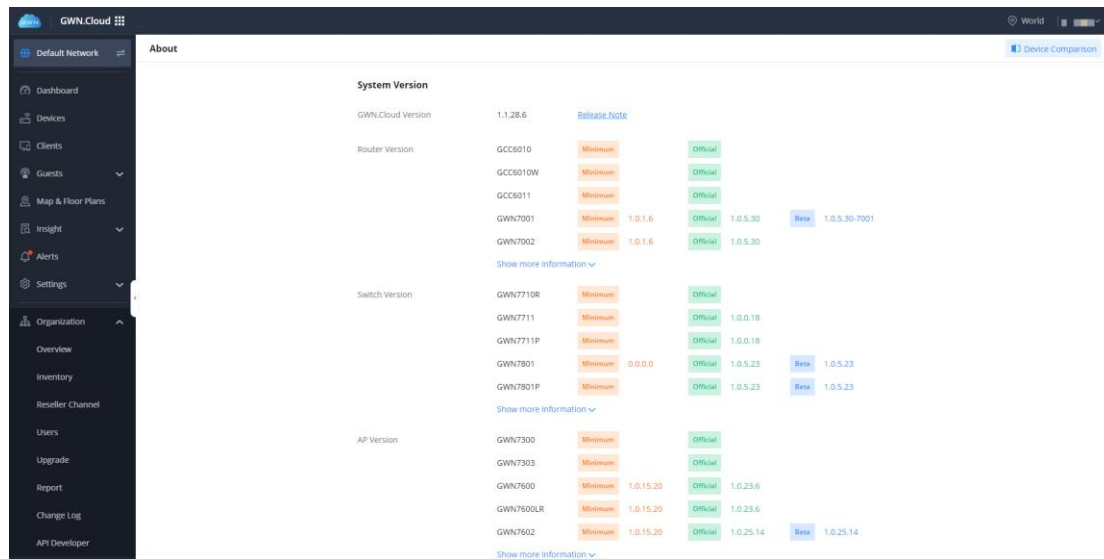
CHANGES/ENHANCEMENT

- Supports link speed display for Aps on the device list
- Supports cloning the LAN and wired firewall configuration
- Added **Beta** firmware display and supports upgrading to Beta
- Optimize client list **Sorting**
- Supports **Local WAN** Configuration Synchronization
- Added Phone Number length Settings for the authentication of Splash Page
- **Optimized Feedback** entry
- Added PPSK configuration, inventory information acquiring, and switch port information acquiring for API
- Added **GWN Manager Upgrade** support
- Added “Do not show again: Check” Log for firmware update on the change log.
- Internal bug fixes

NEW FEATURE OVERVIEW

- Beta Display**

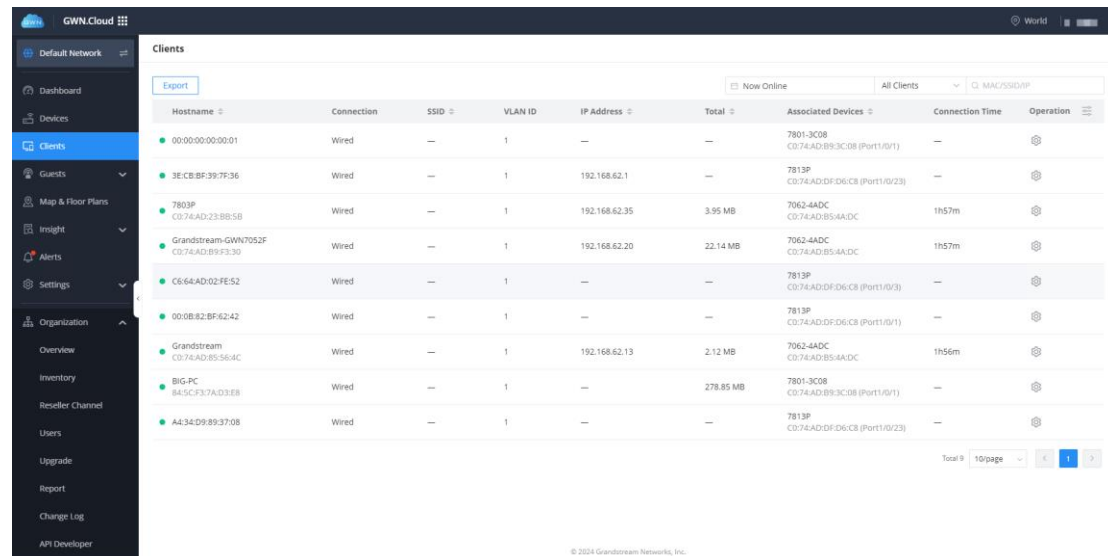
1. Added Beta display in the **About** page.



2. Support upgrading to Beta from the upgrade page.

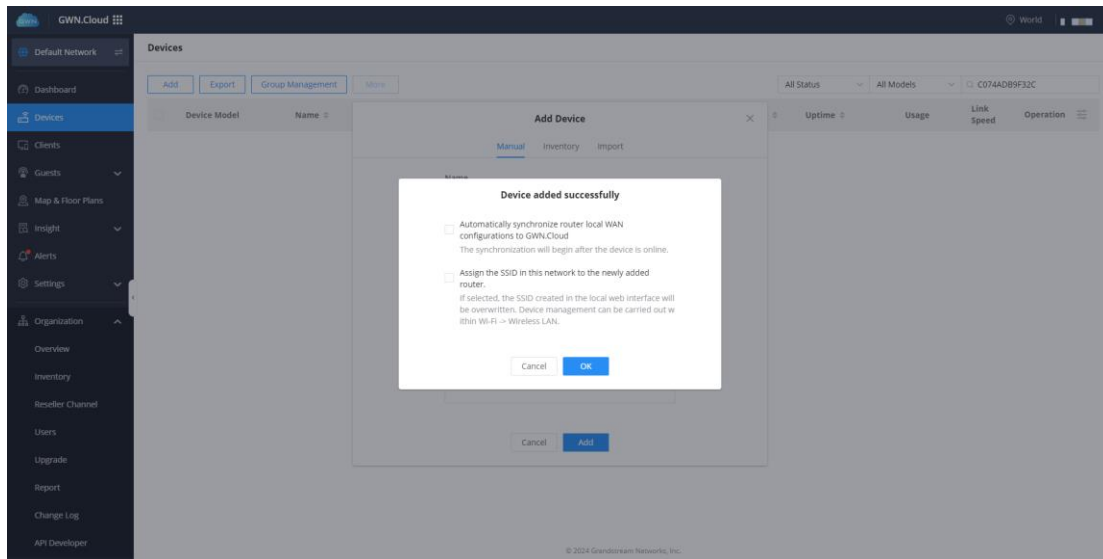
- Optimized Sorting**

Support SSID, Hostname, and Associated device sorting on the client page.



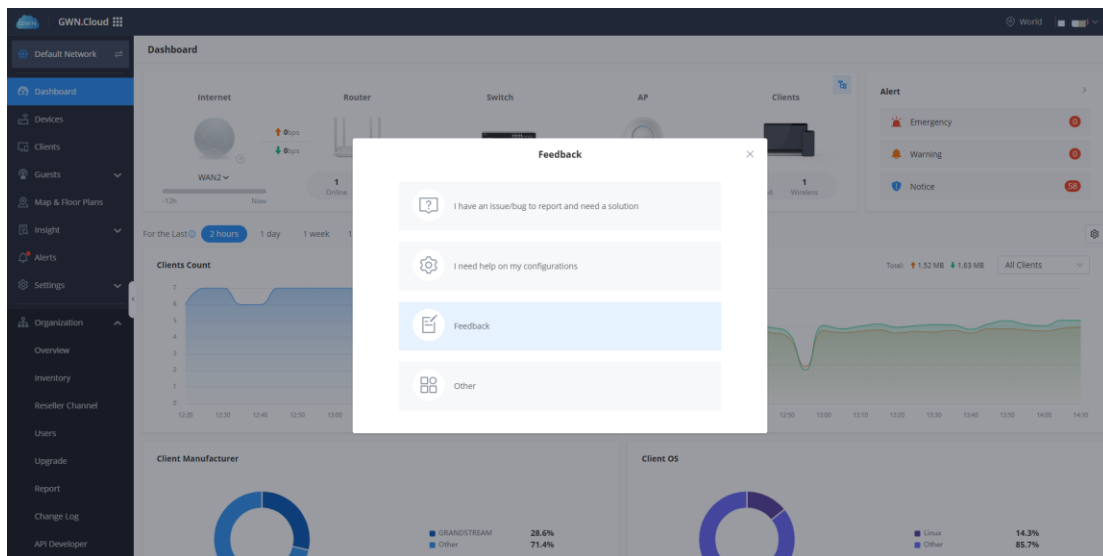
- Local WAN Configuration Synchronization**

Supports synchronizing from the local WAN configuration of the added router



- **Optimized Feedback**

Now offers four feedback options aimed at enhancing issue resolution efficiency and minimizing response times.



- **GWN Manager Upgrade**

Now users can upgrade GWN manager from the WebUI.

GWN Manager

admin

Default Network

Dashboard

Devices

Clients

Guests

Map & Floor Plans

Insight

Alerts

Settings

Organization

Overview

Inventory

Upgrade

Manager Settings

Report

Change Log

API Developer

Upgrade

Devices Upgrade

Manager Upgrade

Upgrade History

Upgrade

Upgrade Reminder

Service	Version	Latest Firmware	Scheduling
GWN Manager	1.1.28.6	1.1.26.11	No

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FIRMWARE VERSION 1.1.26.11

PRODUCT NAME

GWN Manager

- File Name: GWN_Manager-1.1.26.11-AlmaLinux9.tar.gz
MD5 checksum: 98e75818521ad11b1bc0ace5a0db0fde
- File Name: GWN_Manager-1.1.26.11-CentOS7.tar.gz
MD5 checksum: ae7197034ecd017f0b0eaea407409b2a
- File Name: GWN_Manager-1.1.26.11-Ubuntu.tar.gz
MD5 checksum: d2cc74a1066e02c3e0de98cc76b6e310
- File Name: GWN_Manager_1.1.26.11_AlmaLinux9.ova
MD5 checksum: 270d1ff7c690e5a4a27bd54d2baf6bfb
- File Name: GWN_Manager_1.1.26.11_CentOS7.ova
MD5 checksum: 309d6e7a0a66f8064d8595273804350f
- File Name: GWN_Manager_1.1.26.11_Ubuntu.ova
MD5 checksum: e26ff25de8b80c56e5dacc9498806c29

DATE

11/16/2023

CHANGES/ENHANCEMENT

- Added GWN7665 support on GWN Cloud.
- Added **Pre-Provisioning** for Switch in device management for port Setting, port profile, and DHCP Snooping.
- Added remarks and serial number fields for device export.
- Added more default **Wall Types** and optimized attenuation values for Floor Plans.
- Added support for topology export.
- Added translations for heat map.
- Added MAC search field in Upgrade History.
- Added a column to display the network that the device was returned form.
- Added support for custom role users to login to GWN APP.
- Increased **Password Security**, added password expiration and conflict limits configuration.
- Supports hiding **Weak Heat Map** signal.
- Some AP models **Support 6G** configuration. (Only GWN7665 at this moment)

- Removed SMTP Username/Password requirement.
- Fixed alerts not working on port profiles for GWN7806P.
- Fixed the AP search fails when the name of an AP contains the character “-”.
- Fixed the configuration operations in the ChangeLog do not show more detail issue.
- Fixed GWN Cloud API network group ID displayed “network has no authority” issue.
- Internal bug fixes.

NEW FEATURE OVERVIEW

- **Pre-Provisioning**

Added switch pre-provisioning for Port Settings, Port Profile, and Trust DHCP Snooping.

Devices > Group Management > Add New Device Group

ⓘ The services of the device group will be applied to the subsequent new devices.

• Name 1-64 characters

• Parent Group

None

Device

Remark 0-64 characters

Switch Pre-Provisioning

ⓘ Only applies to the switches added the first time.

Port Settings

Port

Select Ports

Port Profile

None

Trust DHCP Snooping

Off

Add New Item +

CLI Command

Enter the CLI commands here, separate by Enter. Please use English and characters only, and use the # key for comment line by default.

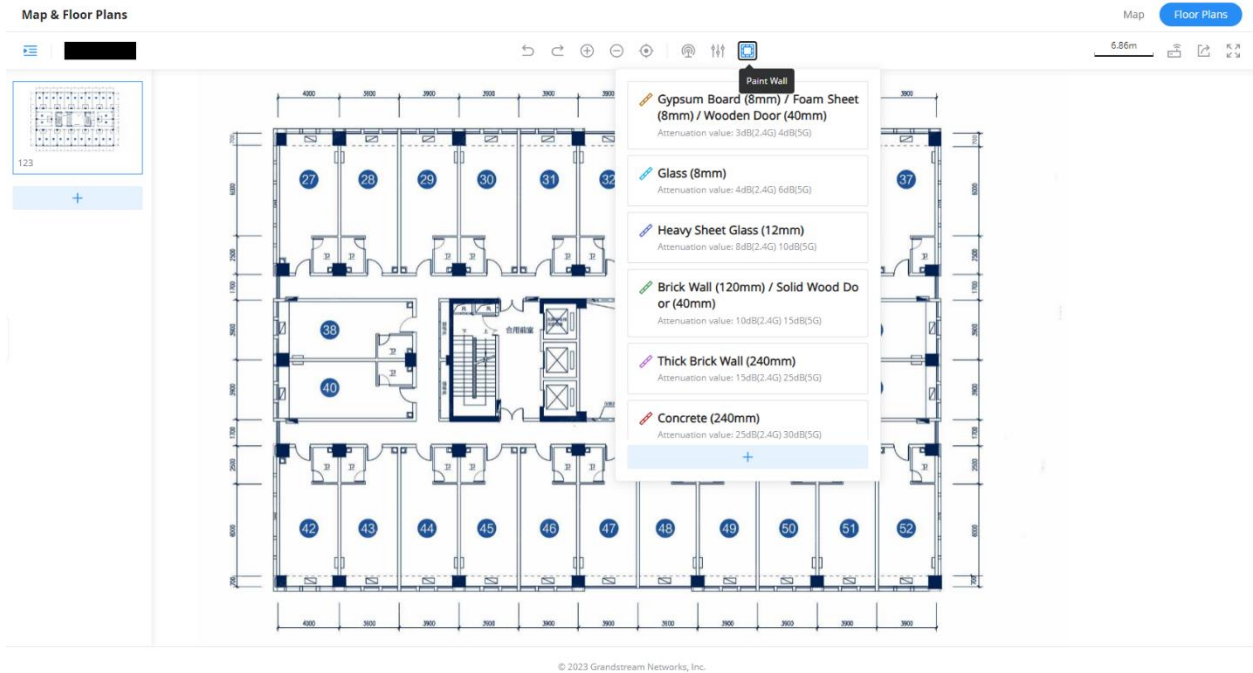
Cancel

Save

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- **Wall Types**

Added default wall type and optimized the attenuation values.

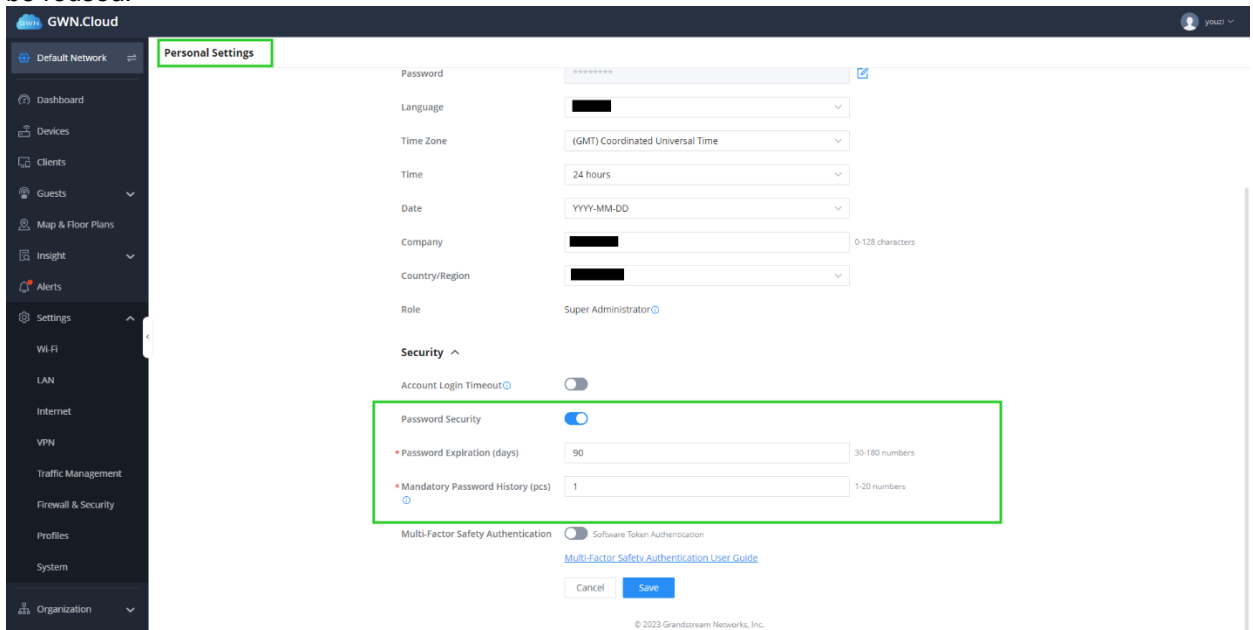


- Password Security**

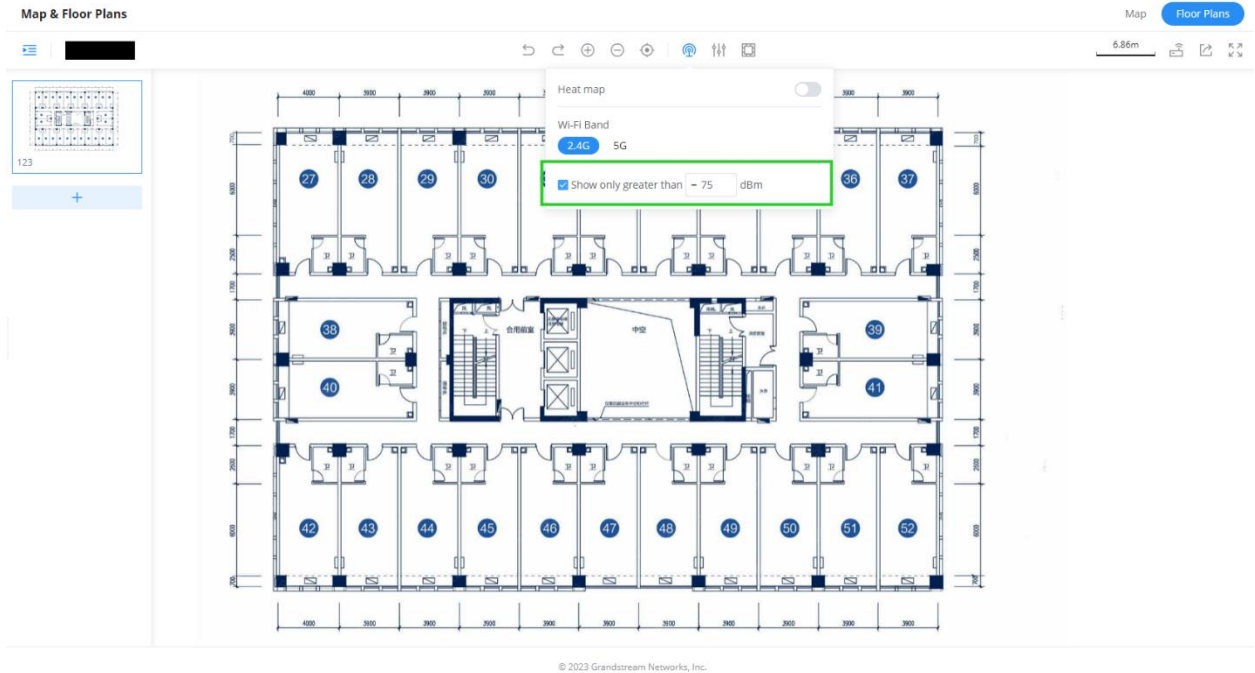
Added password expiration days and mandatory password history.

Password Expiration – The days before a change of password is required.

Mandatory Password History – The number of new passwords needed before the old password can be reused.



- **Weak Heat Map**
Support hiding weaker heat map signals.



- **Support 6G**
Added 6G support for some of the AP models. **GWN7665 only**

Wi-Fi

Global Radio Settings

General

2.4G (802.11b/g/n/ax)

5G (802.11a/n/ac/ax)

6G (802.11ax)

Channel Width

Channel

Radio Power

Enable Short Guard Interval

Enable Minimum RSSI

* Minimum RSSI (dBm)

Enable Minimum Rate

Minimum Rate (Mbps)

Cancel Save

FIRMWARE VERSION 1.1.25.23

PRODUCT NAME

GWN Manager

- File Name: GWN_Manager-1.1.25.23-AlmaLinux9.tar.gz
MD5 checksum: 36809c16c962cb4da3a166394a59abfd
- File Name: GWN_Manager-1.1.25.23-CentOS7.tar.gz
MD5 checksum: e05ba47c7c3b824a8408227e4ddf47a7
- File Name: GWN_Manager-1.1.25.23-Ubuntu.tar.gz
MD5 checksum: 350b8f8eaba1815fa66facab0ed889fb
- File Name: GWN_Manager_1.1.25.23_AlmaLinux9.ova
MD5 checksum: 3d60a7bf85cd0fa34f98f8685ff5a6ae
- File Name: GWN_Manager_1.1.25.23_CentOS7.ova
MD5 checksum: a1748fc8ad76333e40c0d5c4165e0b95
- File Name: GWN_Manager_1.1.25.23_Ubuntu.ova
MD5 checksum: 783264f34f23856ffb8cc96e7b8a7ac6

DATE

9/22/2023

CHANGES/ENHANCEMENT

- Added the ability to set the Primary Network for manager.
- Added the ability to retrieve Guest information with API commands.
- Added the ability to display the Wi-Fi version used in the client's information.
- Added the ability to **Customize the Channel** in 2.4G band.
- Added the ability to disable the **Router LAN** ports.
- Added the ability to **Push Configuration** to the device, the push method includes manual and automatic.
- Added the ability to configure the router/switch device password from GWN Manager.
- Added the ability to support batch or single configuration for the **Device Password**.
- Added the ability to highlight mesh devices in Network **Topology**.
- Added the ability to configure **Port Profile** for Device Group.
- Added the ability to run network **Speed Test** for APs

- Added **Floor Plan** management features, support device RF heat map preview, convenient device placement planning
- Added features of multiple **VPN Tunneling** methods: PPTP, IPSec, OpenVPN®, and WireGuard®
- Added an option to enable/disable the configuration preset.
- Added Wi-Fi 6 icon next to the supported APs in the Device Page.
- Added the ability to display the router's LAN IP address.
- Added a signal strength description in the client info section.
- Added the support of URL access log retention for more than 30 days and allow separate syslog server for real time URL access log feed.
- Added the ability to download multiple reports at once.
- Added a new feature of **VLAN Interface** configuration for routers
- Added **Device Group** management, pre-set features for switches in the group, and a new way to select device group in multiple businesses.
- Added 12-hour **Network Health Monitoring** for WAN ports.
- Added API support for Device Name and Equipment Remarks.
- Added multi language support for GWN App.
- Added managed router **Portal Policy** feature
- Added device name in the syslog message.
- Added **Policy Route** feature
- Added Email alerts when VPN connect/disconnect.
- Added new alerts: Abnormal device time, Abnormal temperature of the optical module, and VPN related alerts.
- Added the feature to manage multiple routers at the same time on the same network.
- Added manual and automatic configuration support for **IPsec** (Site-to-Site).
- Added **Certificate Management** support.
- Included Network Name in the alert email.
- Optimized **Account Security** settings
- Optimized **Client List**, supports quick configuration of blocking functions, optimized RSSI display, and added VLAN ID column
- Optimized DHCP option settings for LAN
- Optimized portal policy, increased the max client expiration time and configured the URL pre-shared key for Aiiwifi Platform.
- Fixed the "Set addLan failed (reason: Invalid IPv6 address)" issue.
- Fixed Hebrew translation.
- Fixed captive portal not loading issue.
- Fixed account status display error.
- Fixed unable to add switch issue.
- Fixed captive portal blank export issue.
- Fixed web crashing when trying to add more MAC addresses into the MAC group.

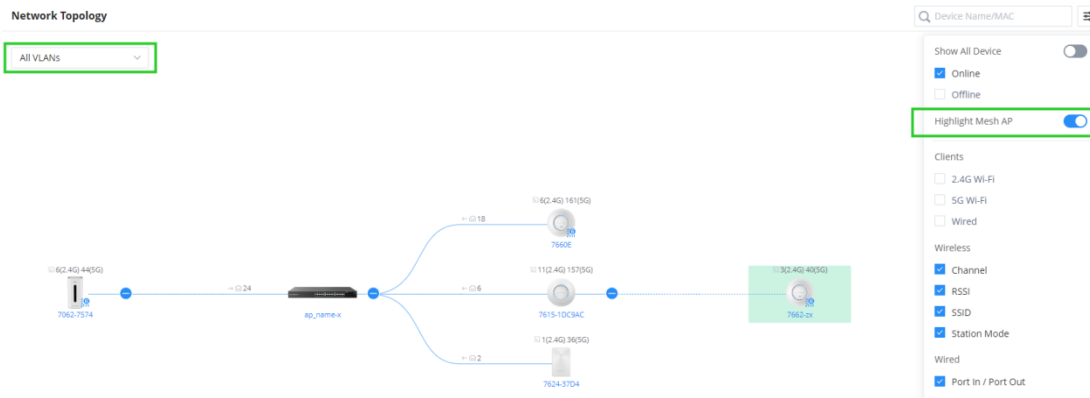
- Internal bug fixes.

NEW FEATURE OVERVIEW

- **Floor Plan**
 Added floor plan management features, support device RF heat map preview, convenient device placement planning



- **Topology**
 Optimized topology diagram highlights the mesh display, VLAN information filtering, and the device overview information



- **Device Password**
 Added the ability to support batch or single configuration for the device password
Batch:

System

General ^

Country/Region	United States	
Timezone	(GMT+08:00) Beijing, Chongqing, Hong Kong SAR, Urumqi	
Auto Sync Time	<input type="checkbox"/>	
* AP Login Password	*****	8-32 characters, must include two of the following: numbers, letters and special characters
Device Password		8-32 characters, must include two of the following: numbers, letters and special characters
LED	Always on	
Reboot Schedule	None	
Enable Client Connection Event	<input type="checkbox"/>	
Presence API	<input type="checkbox"/>	
Automatically add to SSIDs	<input checked="" type="checkbox"/>	

URL Access Log v

Guest Information v

NAT Pool v

Single:

Devices > C0:74:AD:7C:75:1C(GWN 7062)

Auto Configuration Delivery ☒

Usage Info Debug Configuration

General ^

Device name	GWN 7062	0-64 characters
Device Remarks		0-64 characters
Device Password		8-32 characters, must include two of the following: numbers, letters and special characters
LED	Use System Settings	
Reboot	Use System Settings	
Band Steering	Use Radio Settings	

- **Account Security**
Optimized account login security settings

Personal Settings

Time Zone	(GMT+08:00) Beijing, Chongqing, Hong Kong SAR, Urumqi	
Time	24 hours	
Date	YYYY-MM-DD	
Company		0 to 128 characters
Country/Region	China(中国)	
Phone	+ 1	
Address		0 to 255 characters
Role	Initial Administrator	

Account Security ^

Account Login Timeout	<input checked="" type="checkbox"/>	
* Idle timeout (min)	180	5-1440 numbers
* Maximum Login Duration(min)	720	5-720 numbers
Synchronize Maximum Login Duration for Sub-Administrators	<input checked="" type="checkbox"/>	

Multi-Factor Safety Authentication ☐ Software Token Authentication

[Multi-Factor Safety Authentication User Guide](#)

Cancel Save

- **Router LAN**

Added the ability to disable the router LAN ports.

Port ^

Physical Port	Port Mode	Status	Port Configuration
1	LAN	<input checked="" type="checkbox"/>	All VLANs
2	LAN	<input checked="" type="checkbox"/>	All VLANs
3	WAN	<input checked="" type="checkbox"/>	
4	LAN	<input checked="" type="checkbox"/>	All VLANs
5	LAN	<input checked="" type="checkbox"/>	All VLANs
6	LAN	<input checked="" type="checkbox"/>	All VLANs

Device Password ⓘ 8-32 characters, must include two of the following: numbers, letters and special characters

- **Customize the Channel**

Added the ability to customize the channel in 2.4G band.

2.4G (802.11b/g/n/ax) ^

Channel Width ⓘ

☒ 20MHz ☐ 20MHz/40MHz ☐ 40MHz

Channel ⓘ

Auto

Custom Channel

Ch1-2.412GHz +2

Radio Power ⓘ

Enable Short Guard Interval ⓘ

Allow Legacy Devices(802.11b)

Enable Minimum RSSI ⓘ

Enable Minimum Rate ⓘ

Wi-Fi5 Compatible Mode ⓘ



Select All

Ch1-2.412GHz ✓

Ch2-2.417GHz

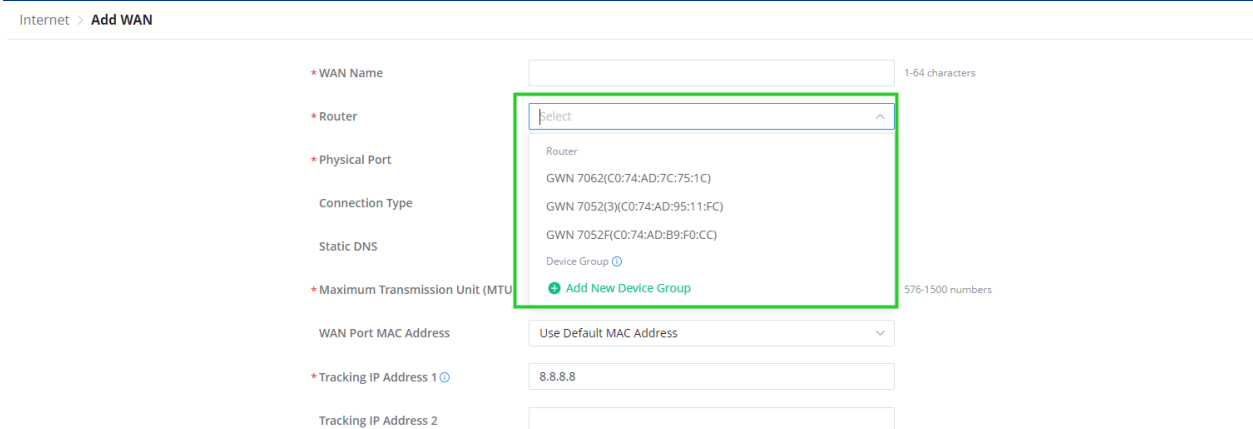
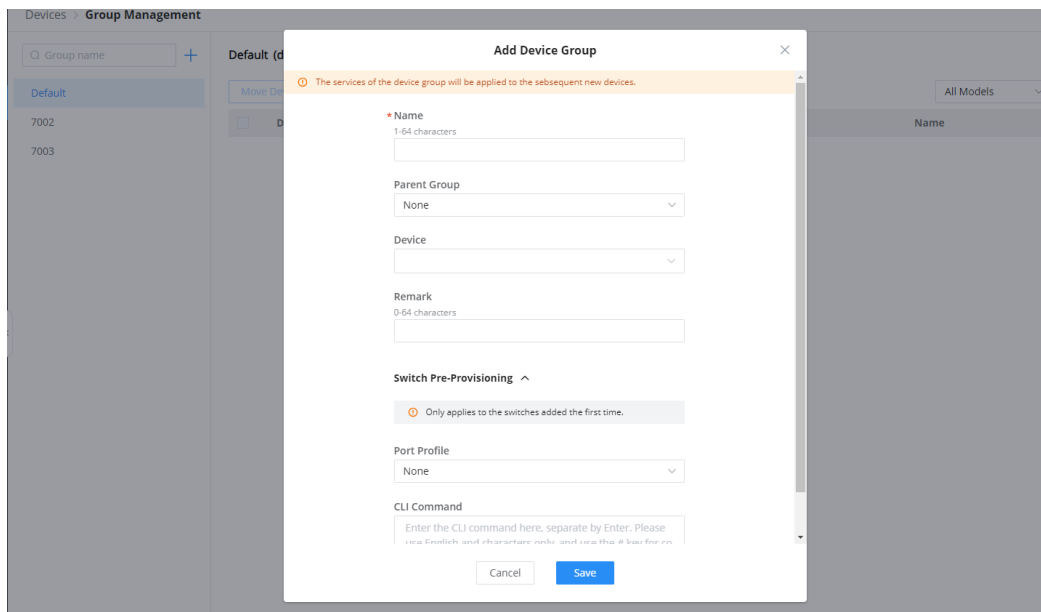
Ch3-2.422GHz

Ch4-2.427GHz

Ch5-2.432GHz

Ch6-2.437GHz ✓

- Device Group**
 Added device group management, pre-set features for switches in the group. And a new way to select device group in the multiple business



- **Port Profile**

Added the ability to configure port profiles for Device Group.

✕

ⓘ The services of the device group will be applied to the subsequent new devices.

Edit Device Group

*** Name**
1-64 characters

Parent Group

Remark
0-64 characters

Switch Pre-Provisioning ^

ⓘ Only applies to the switches added the first time.

Port Profile

CLI Command

Enter the CLI commands here, separate by Enter. Please use English and characters only, and use the # key for comment line by default.

Cancel

Save

- **Push Configuration**

Added the feature of pushing configuration to the local side of the device, and the push method includes manual and automatic

Manual:

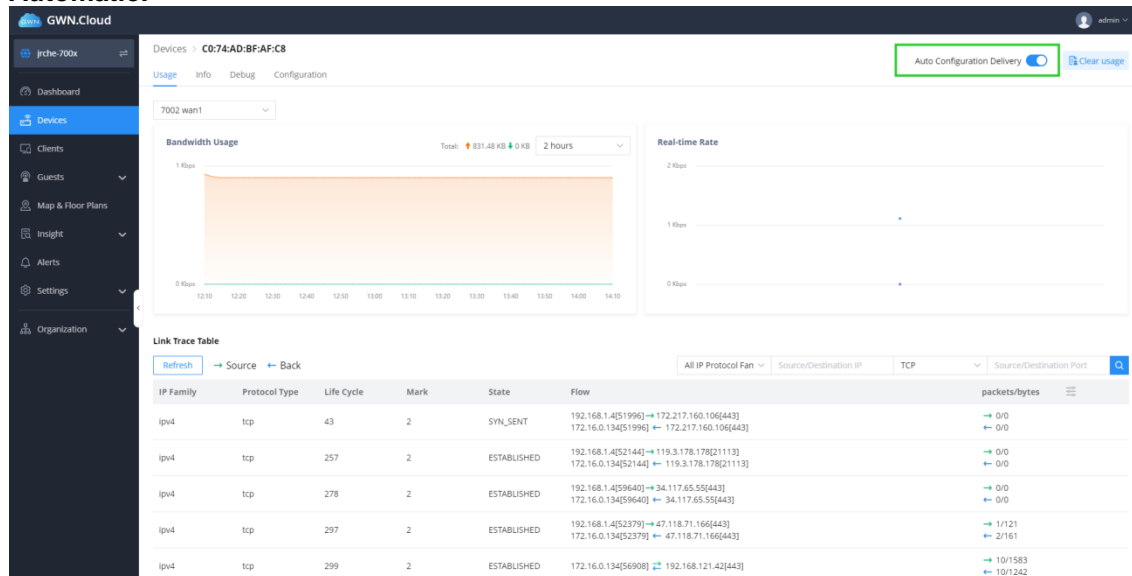
Devices

Add
Export
Group Management
More

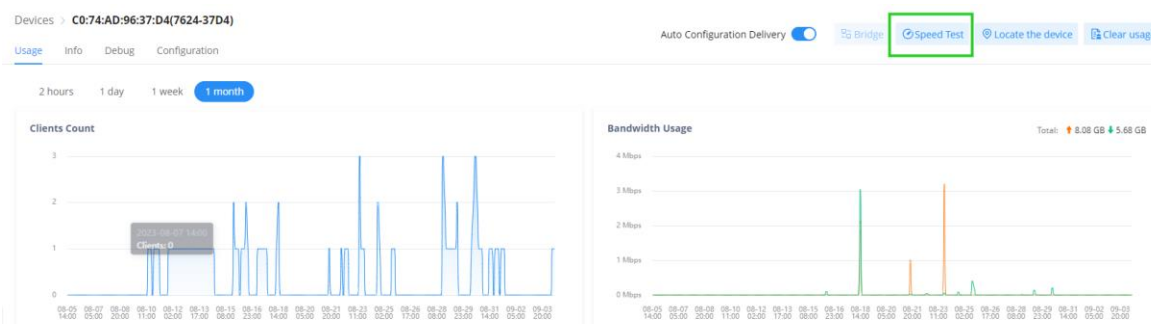
Device Model	MAC	IP Address	IPv6 Address	Device Group	Firmware
<input type="checkbox"/> GWN7002	C0:74:AD:8F:AF:C8	192.168.8.1	fe80::c274:adff:febf:b066	7002	1.0.4.4
<input checked="" type="checkbox"/> GWN7002	C0:74:AD:8F:AF:C8	192.168.1.1	fe80::c274:adff:febf:afc9	7002	1.0.4.5
<input type="checkbox"/> GWN7003	C0:74:AD:8F:AF:C8	192.168.80.1	fe80::c274:adff:fe23:bf56	7003	1.0.4.5

Configure
 Reboot
 Return
 Move
 Push Configuration
 Reset
 Delete

Automatic:



- **Speed Test**
Added the ability to run network speed test for APs



- **VPN Tunneling**
Added features of multiple VPN tunneling methods such as PPTP, IPSec, OpenVPN®, and

WireGuard®

VPN

▼ PPTP	+ Add
▼ IPsec (Site-to-Site)	+ Add
▼ OpenVPN®	+ Add
▼ VPN User	+ Add
▼ WireGuard®	+ Add

- **IPsec**
 IPsec (Site-to-Site) supports both manual and automatic configuration

VPN > Add IPsec

General ^

Mode

☒ Manual ☐ Auto

ⓘ If Auto is selected, the LAN subnet and WAN IP will be automatically set to the peer router, and will synchronize automatically after the change, and the IPsec link will not be disconnected due to the change of WAN IP

* Name

1-64 characters

Status

☐ Once disabled, the associated VPN services will also be disabled.

* Remote Address

* Router

Select the router ▼

* Interface

Select WAN ▼

* Pre-shared Key

1-32 characters

* Local Network ⓘ

/ -

[Add New Item](#) +

* Remote Network ⓘ

/ -

[Add New Item](#) +

Advanced Settings ▾

[Cancel](#)

[Save](#)

- Certificate Management**
 Added features of certificate management

Profiles > Add Certificate

Type

☒ CA Certificate
 ☐ Certificate

Name

Support 1-64 letters and numbers

Key Length

2048

Digest Algorithm

SHA256

Expiration (D)

1-999999 numbers

SAN

☒ None
 ☐ IP Address
 ☐ Domain

Country/Region

United States

State/Province

City

Organization

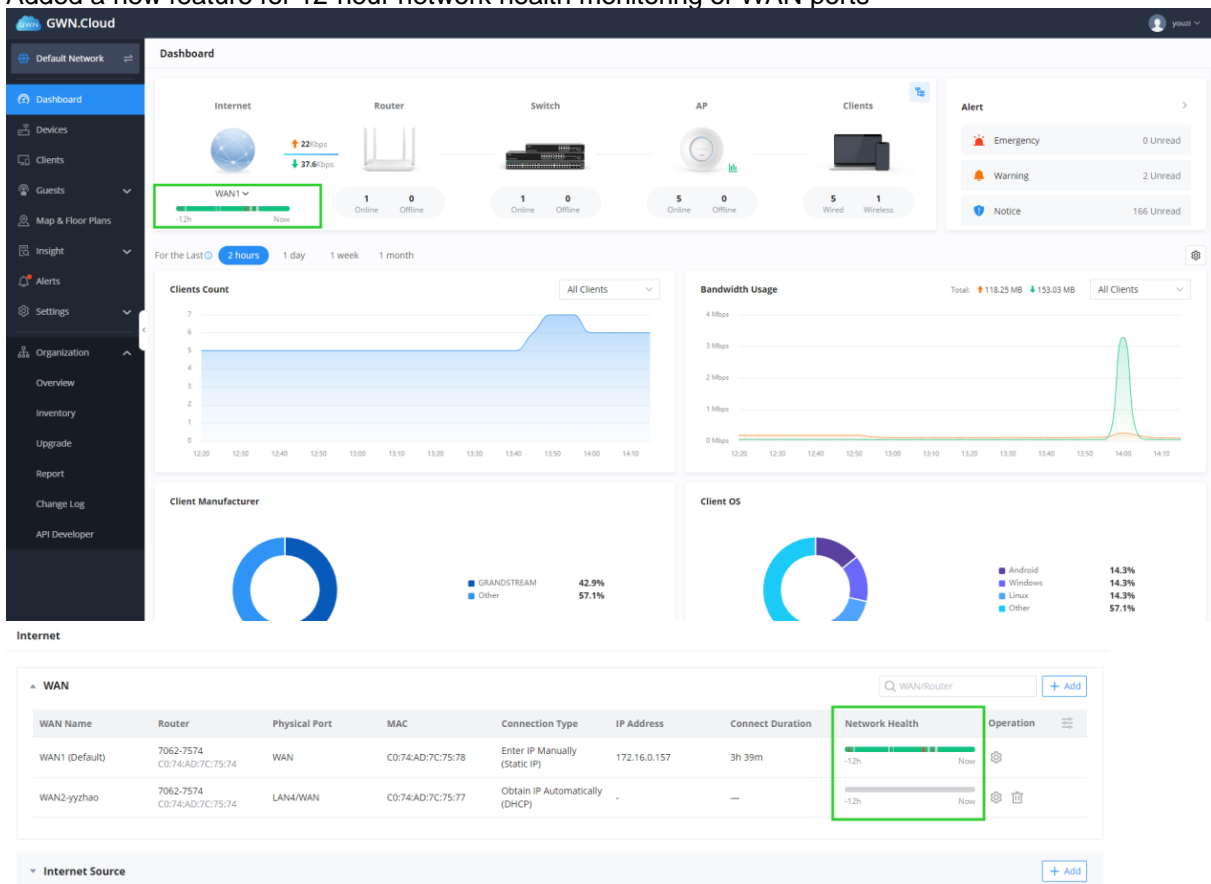
Organizational Unit

Email

Cancel

Save

- Network Health Monitoring**
 Added a new feature for 12-hour network health monitoring of WAN ports



- **VLAN Interface**

Added a new feature of VLAN interface configuration for routers

✕

Add VLAN Interface

ⓘ Before configuring the IP address, configure the default route for the device in the static route to prevent the VSwitch from losing the default route and unable to connect to the cloud.

*** VLAN ⓘ**

Select VLAN ID ▼

*** IPv4 Address/Prefix Length**

Prefix length range 8-30

/

IPv6 ☐

Cancel

Save

- **Portal Policy**

Added managed router Portal Policy feature

Profiles > Add Portal Policy

*** Name** 1-64 characters

Splash page ▼

internal

*** Client Expiration ⓘ**

0

day(s)

0

hour(s)

0

minute(s)

Client Idle Timeout ⓘ

5-1440 numbers

Failsafe Mode ⓘ ☐

Daily Limit ⓘ ▼

Disabled

*** Splash Page Customization ⓘ**

Landing Page ⓘ ▼

Redirect to the original URL

Enable HTTPS Redirection ⓘ ☐

Enable Secure Portal ⓘ ☐

Pre Authentication Rule(s) ⓘ

Destination

Service

Select Destinat

Select Service

Add New Authentication Rule ⓘ

Post Authentication Rule Type ⓘ ▼

Blocklist

Post Authentication Rule(s) ⓘ

Destination

Service

Cancel

Save

- Policy Route**
 Added policy route feature

Traffic Management > Add Policy Route

* Name	<input type="text"/>	1-64 characters
Status	<input type="checkbox"/>	
IP Family	<input checked="" type="radio"/> IPv4	
Protocol Type	<input type="text" value="All"/>	
* Router	<input type="text" value="7062-7574(C0:74:AD:7C:75:74)"/>	
* Source Group	<input type="text" value="All"/>	
Source IP Address/Mask Length	<input type="text"/> / <input type="text"/>	
Destination IP address/mask length	<input type="text"/> / <input type="text"/>	
* Internet Source	<input type="text" value="Select"/>	
Schedule	<input type="text" value="None"/>	
<input type="button" value="Cancel"/> <input type="button" value="Save"/>		

- Client List**
 Optimized client list, supports quick configuration of blocking functions, optimized RSSI display, and added VLAN ID column

Clients

<div>Export</div>							<div>Now Online</div>		<div>All Clients</div>		<div>MAC/SSID/IP</div>	
Hostname	Connection	SSID	VLAN ID	IP Address	Wi-Fi Band	Total	RSSI	Associated Devices	Station Mode	Connection Time	Operation	
<div><div>HONOR_20</div><div>82:02:8F:2D:56:68</div></div>	Wireless	yyzhao	—	192.168.62.238	5GHz	58.35 MB	<div>-52</div>	7660E C0:74:AD:F0:3F:18	11AC_VHT80	13m	<div></div>	
<div><div>DESKTOP-TDIN07K</div><div>84:5C:F3:7A:D3:E8</div></div>	Wireless	yyzhao	—	192.168.62.132	5GHz	12.75 MB	<div>-55</div>	7660E C0:74:AD:F0:3F:18	11AC_VHT80	14m	<div></div>	

FIRMWARE VERSION 1.1.24.23

PRODUCT NAME

GWN Manager

DATE

5/19/2023

CHANGES/ENHANCEMENT

- (Beta)Added the unified management for model of GWN7801(P), GWN7802(P), GWN7803(P)
- Added the support for Device Information, Configuration, and Debug under Device menu for GWN switch models
- Added the support for GWN switches & port configurations through Global Switch Settings and Port Profiles
- Added the support for GWN switches in Topology (including wired devices hierarchy relationship)
- Added the support of GWN switches' Alert events
- Added a new feature of user role management and customizable role privilege
- Added a new feature of Organization Overview
- Added a new feature of Map for device location management
- Added a new feature of AP batch configuration
- Added a new feature of displaying Change logs' content details
- Added a new feature of transferring management permission for shared Network
- Added a new feature of restricting APIs to specific networks
- Added a new feature of batch firmware upgrade for different GWN models to recommended version
- Added a new feature of disabling AP's Ports
- Added a new feature of Limit by Authentication Type for Daily Limit of Captive Portal
- Added a new feature of Active Directory into Splash Page Logging Components
- Added a new feature of grouping top website statistic by Main Domain than URL
- Added a new feature of PPSK With Radius into SSID Security Type
- Optimized web UX(User Experience)
- Internal bug fixes.

FIRMWARE VERSION 1.1.23.43

PRODUCT NAME

GWN Manager

DATE

3/6/2023

CHANGES/ENHANCEMENT

- Fixed an issue of SSID assignment.
- Fixed an issue of service error response that found on the mesh topology.
- Added support of mesh for GWN Wi-Fi router as CAP on GWN.Manager.
- Added Client Bridge feature back.
- Added online and offline status filter for devices.
- Optimized performance for data chart and service interface.
- Internal bug fixes.

FIRMWARE VERSION 1.1.23.36

PRODUCT NAME

GWN Manager

DATE

1/6/2023

CHANGES/ENHANCEMENT

- Added multi-language support for new UI.
- Internal bug fixes.

FIRMWARE VERSION 1.1.23.29

PRODUCT NAME

GWN Manager

DATE

12/28/2022

CHANGES/ENHANCEMENT

- New Dashboard design.
- New UI hierarchy.
- New Alerts design and support more alert events
- Added support of GWN Router (GWN7052 & GWN7062) unified management
- Added support of Network Topology (MESH topology is combined into Network Topology)
- Added support of Inventory feature (only to platform admin)
- Optimized MESH feature (combined Client Bridge feature), and removed Client Bridge
- Optimized clients display, integrate the old known Clients into Clients page
- Optimized SSID Security type
- Fixed some internal bugs