



Wi-Tek 2.0 Cloud User Manual

www.wireless-tek.com

目录

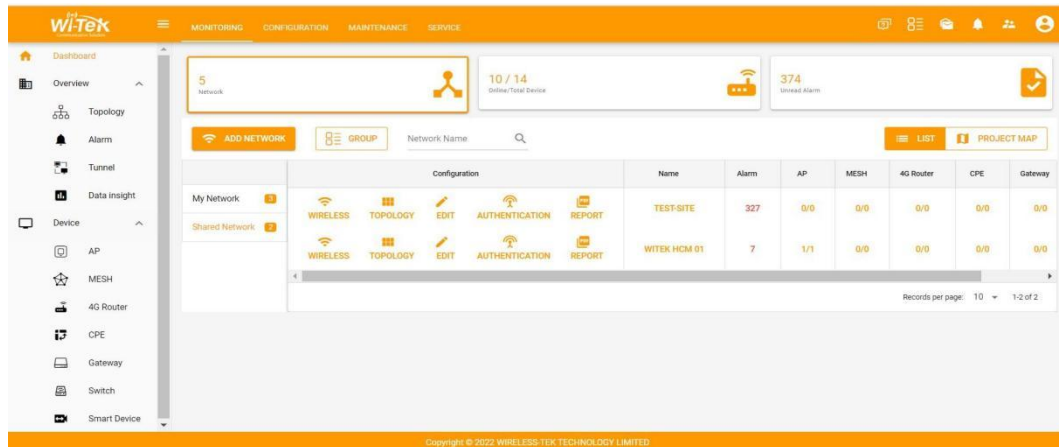
1.CONFIGURATION	3
1.1 Dashboard	3
1.2 overview	5
1.2.1 Topology	5
1.2.2 Alarm	9
1.2.3 Tunnel	10
1.2.4 Data insight	14
1.3 Device	16
1.3.1 Never Online	16
1.3.2 AP	17
1.3.3 MESH	21
1.3.4 4G Router	25
1.3.5 CPE	28
1.3.6 Gateway	31
1.3.7 Switch Management Interface	33
1.4 Terminal	41
1.4.1 IP camera	41
1.4.2 NVR	42
2.CONFIGURATION	43
2.1 Wireless	43
2.1.1 Basic	43
2.1.2 Layout	48
2. Configuration steps	49
2.2 Upload a Floor Plan Infographic	49
2.1.3 Radio Planning	50
2.1.4 Roaming Optimization	53
2.1.5 AP Load Balance	55
2.2 Authentication	57
3. MAINTENANCE	66
3.1 Report	66
3.1.1 Overview	66
3.1.2 Activity Analysis	67
3.1.3 Device Analysis	68
3.2 Log	69
3.2.1 Operation Log	69
3.3 Upgrade devices	70
3.3.1 Firmware	70
3.3.2 Upgrade Log	70
4. SERVICE	71
4.1 service	71
4.1.1 SD-LAN Configuration	71
4.1.2 Project View	73

1.CONFIGURATION

1.1 Dashboard

Dashboard can help you understand how many projects there are currently, how many devices have been invested in total, and the interface is clearly displayed. It can rapidly view the basic information of each project and download project equipment information, which can help IT managers quickly understand the information of the entire network. It can help you quickly understand where each item is in the world.

Steps to enter the Dashboard interface: Click **MONITORING > Dashboard**



The following describes the functions on this screen:

Network: Number of items.

Online/Total Device: The total number of devices in the account, the number of online devices/the total number of devices.

Unread Alarm: The alarm information is unread.

ADD NETWORK: Add a new network project.

GROUP: Enter project group management.

My Network: Network projects created in your own account Shared Network: Network projects shared by others to yourself

WIRELESS: Enter wireless configuration templates for each item.

NETWORK: You can enter to the network topology of each project.

EDIT: You can modify the information of each item or view the device management password of each item.

REPORT: Download delivery information for a project.

SHARE: Share the project to other accounts.

Project Map: See the location of each item on Google Maps.

How to add a new web item?

Step 1 Click **ADD NETWORK**

Step 2 Fill in the basic information about the project

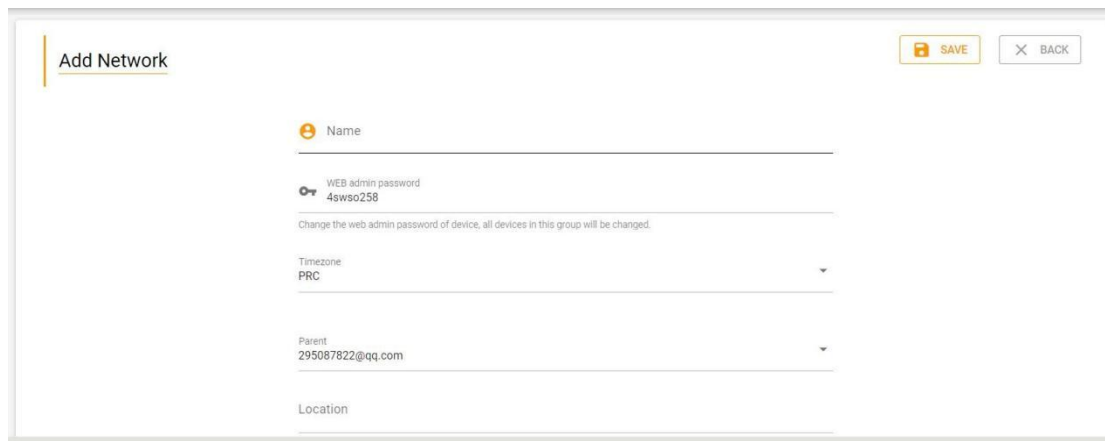
Step 3 Wireless template configuration

Step 4 Add device

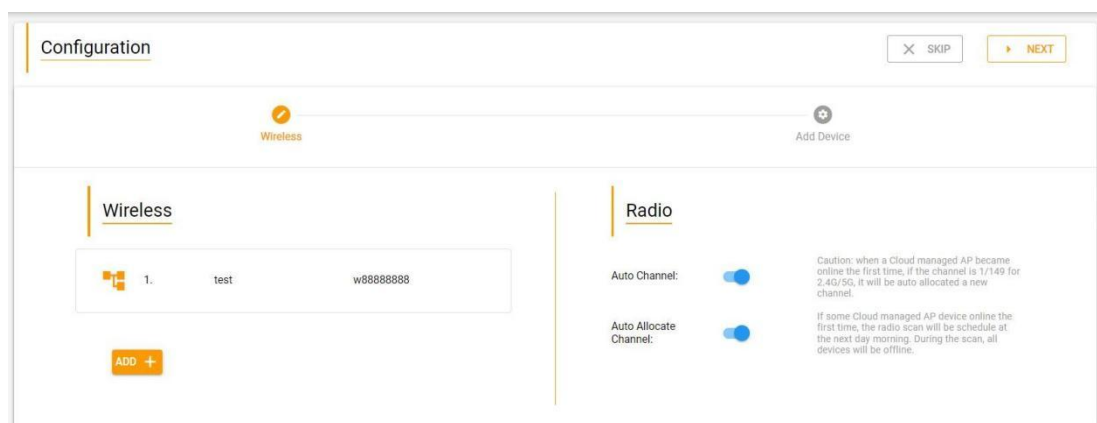
Step 5 Click to finish

Note: The password of the WEB admin password item is the password bound to the cloud device. When the AP, AC, switch and other devices are bound to the cloud platform, the password will be synchronized.

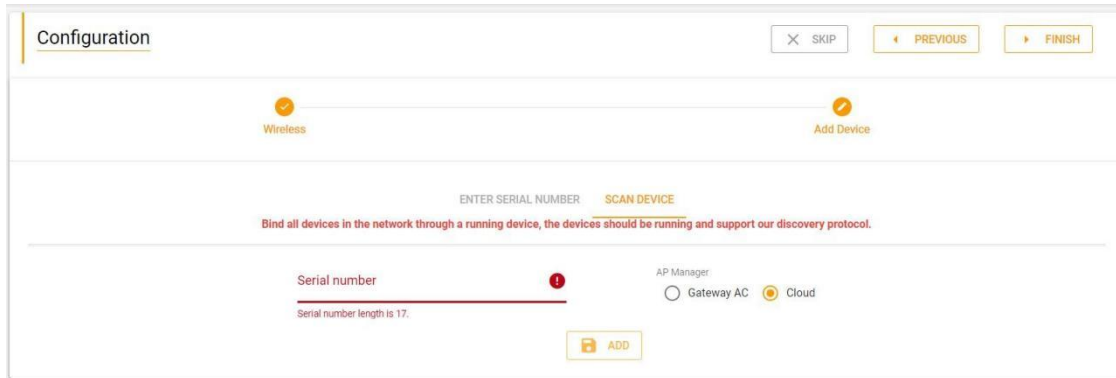
Note: The password of the WEB admin password item is the password bound to the cloud device. When the AP, AC, switch and other devices are bound to the cloud platform, the password will be synchronized.



WEB admin password: The device login management password in this project



ADD + : Add wireless configuration template



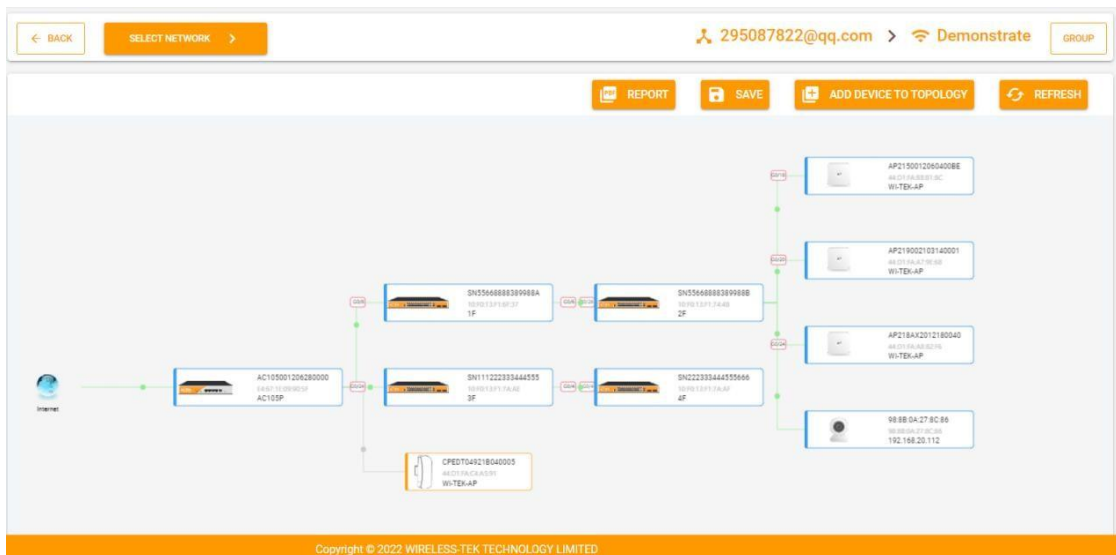
AP Manager: (If you select the local AC to manage the AP when binding the device, the SSID and password are issued from the local AC. If the binding device selects cloud management, the wireless SSID and password are issued from the cloud).

1.2 overview

1.2.1 Topology

Network topology is a powerful tool to provide administrators a graphic overview of the logical network topology and the status of Wi-Tek devices.

Steps to enter the Topology interface: Click MONITORING > Overview > Topology



Click the **device picture** to enter to view the basic information of the device and adjust the upper-layer connection device.

Edit network topology ✕

Upper Auto ▼

⚙️ DETAIL
EWEB
TELNET

Base

Hostname
3F

Model
WI-CGS5026

Serial number
SN111222333444555

MAC
10:F0:13:F1:7A:AE

Version
WI-CGS5026_V10211230

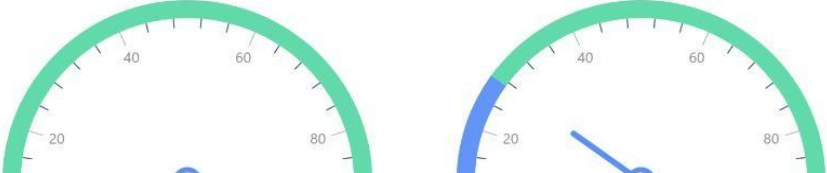
Status

Last update
2022-04-14 18:37:25

Uptime
3d08h31min59s

User count
-

User sessions
-



Click on ADD DEVICE TO TOPOLOGY, Equipment can be supplemented

Edit network topology ✕

Upper AC105001206280000 - AC105P ▼

Device will be deleted when Auto been selected

Type
Server ▼

Hostname
file server

IP
192.168.20.253

Device IP Address

MAC

Device MAC address, can be used to detect port number in Switch device

📁 SAVE

The following describes the functions on this screen:

SELECT NETWORK: Select the topology map displayed by the network item. (When there are multiple items in the account, you can select other items to display) **REPORT:** Download the project delivery equipment information.

SAVE: Save the network topology map locally.

ADD DEVICE TO TOPOLOGY: Add some supplementary network device.

REFRESH: Just configured and not displayed, you can click to refresh.

GROUP: Enter the project management group.

How to Change Upper Devices in Network Topology?

Step 1 Click on the device icon to choose the device.(For example, it is actually connected to a 3F switch, and the topology shows that the connection to a 2F switch needs to be corrected)

Step 2. Select the correct Upper device in list.

Step 3. Click on Save to save the information.



Edit network topology

Upper

SN11222333444555 - 3F

SAVE

DETAIL

EWEB

TELNET

Base

Hostname

2F

Model

WI-PCMS328GF

Serial number

SN55668888999888

MAC

10:F0:13:F1:74:4B

Version

WI-PCMS328GF_V10220406

Status

Last update

2022-04-14 15:37:54

Uptime

0d23h30min46s

User count

-

User sessions

-



How to supplement network devices on network topology?

If you need to add some supplementary network (The devices that exist on the network but are not managed by the cloud) after create the network, you can add device manually here.

Step 1. Click on **ADD DEVICE TO TOPOLOGY**.

Step 2. Select the Upper layer device.

Step 3. Select the device type. Such as switch, smart device, printer, server, wireless client, etc.

Step 4. Edit the device name.

Step 5. Fill in the IP address of the device.

Step 6 Click on Save to save the information.

Notice:

If you want to delete a manually added device, you can click the device icon, and then click the delete button in the Upper column.



Edit network topology



Upper

AC105001206280000 -
AC105P

Device will be deleted when Auto been selected

Type
Server

Hostname
file server

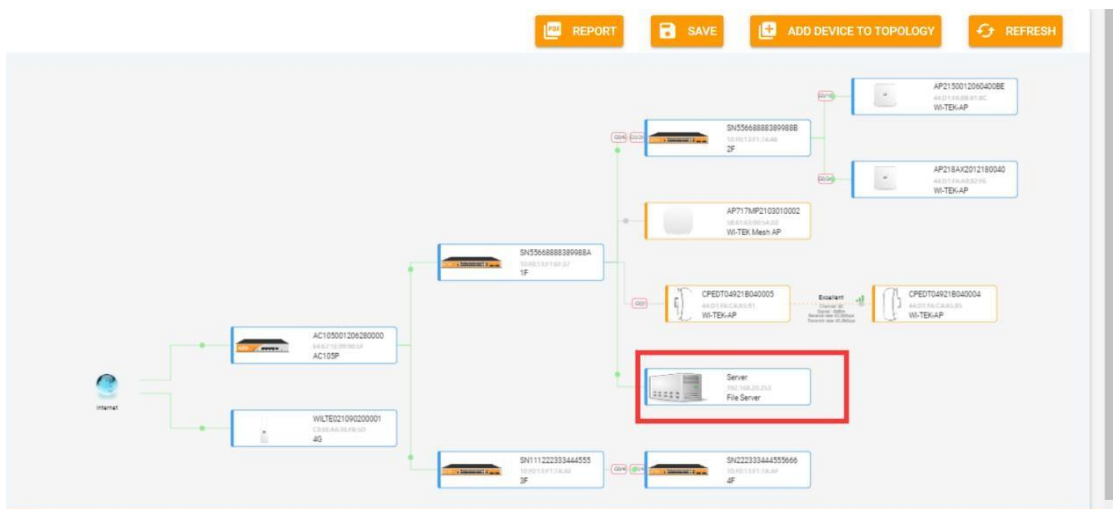
IP
192.168.20.253

Device IP Address

MAC

Device MAC address, can be used to detect port number in Switch device

SAVE



1.2.2 Alarm

When the network fails, the system detects it and sends an email to the maintenance personnel as soon as possible, quickly help IT network managers locate network faults.

Steps to enter the Alarm interface: Click MONITORING>Overview > Alarm

Alarm interface showing a list of alarms. The interface includes a sidebar with navigation options and a main content area with a table of alarm records.

Serial number	Type	Level	Content	Read time	Created time	
<input type="checkbox"/>	SN5566888839988A	Switch PoE status changed	NORMAL	Switch [1F] PoE status changed [g]4	2022-04-19 11:45:14	2022-04-19 07:43:28
<input type="checkbox"/>	SN5566888839988A	Switch PoE status changed	NORMAL	Switch [1F] PoE status changed [g]2	2022-04-19 11:45:14	2022-04-19 07:43:28
<input type="checkbox"/>	SN5566888839988A	Switch PoE status changed	NORMAL	Switch [1F] PoE status changed [g]1	2022-04-19 11:45:14	2022-04-19 07:43:28
<input type="checkbox"/>	SN5566888839988A	Switch PoE status changed	NORMAL	Switch [1F] PoE status changed [g]4	2022-04-19 11:45:14	2022-04-19 07:42:49
<input type="checkbox"/>	SN5566888839988A	Switch PoE status changed	NORMAL	Switch [1F] PoE status changed [g]2	2022-04-19 11:45:14	2022-04-19 07:42:48
<input type="checkbox"/>	SN5566888839988A	Switch PoE status changed	NORMAL	Switch [1F] PoE status changed [g]1	2022-04-19 11:45:14	2022-04-19 07:42:48

The following describes the functions on this screen:

MARK AS READ: set the message as read

ALL: All alarm information

UNREAD: Unread alarm information

Serial number: SN code of the faulty device

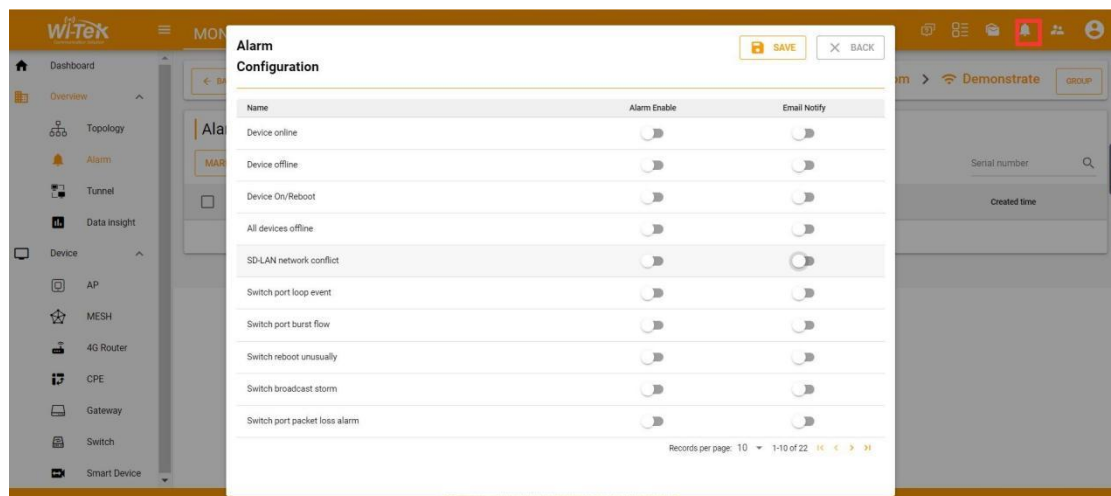
Content: Network failure details

Alarm Settings

On the **Alarm Settings** page, you can configure to receive alarms or not and in which way.

When the Status is enabled, alarm information is displayed on the Alarm page. Alarms can be pushed by Email only when the Status is enabled. When the **Email Alarm** is enabled, alarms will be pushed via Email to the contacts in the Contact List of the network.

Steps to enter the **Configure the alarm** : Click the icon of the alarm information in the upper right corner. (**Grey is closed state Orange is opener state.**)



1.2.3 Tunnel

Remote management can help you save more time, Wi-Tek cloud management device 100% supports remote management.

Steps to enter the Tunnel interface: Click **MONITORING > Overview > Tunnel**

Tunnel

GATEWAY AP SWITCH MESH 4G ROUTER CPE SMART DEVICE CUSTOM

Status	Serial number	Model	Hostname	WAN IP	Tunnel
Online	SN55668888389988A	WI-PCMS310GF	1F	192.168.20.107	EWEB TELNET
Online	SN111222333444555	WI-CGS5026	3F	192.168.20.102	EWEB TELNET
Online	SN222333444555666	WI-CGS5018	4F	192.168.20.101	EWEB TELNET

Records per page: 10 1-3 of 3

The following describes the functions on this screen:

GATEWAY, AP, SWITCH, MESH, 4G ROUTER CPE: is a classification for each device type.

SMART DEVICE: ONVIF protocol intelligent terminal equipment remote rendezvous point.

CUSTOM: Custom intranet tunnel remote access device.

Note: The switch has two remote access modes, namely EWEB and TELNET remote mode, and other devices only have EWEB remote mode.

How to EWEB Remote?

Step 1 Click on the category that requires the remote device (such as GATEWAY click GATEWAY).

Step 2 Click on EWEB.

Step 3 Select the EWEB remote channel closest to your country, and if you still can't get in, switch to another server.

Step 4 Click on the generated website address.

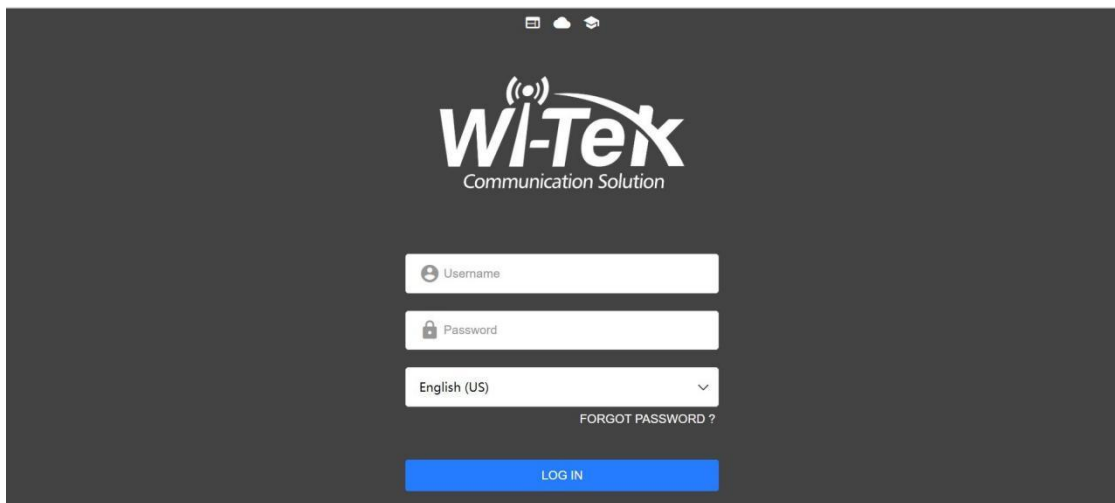
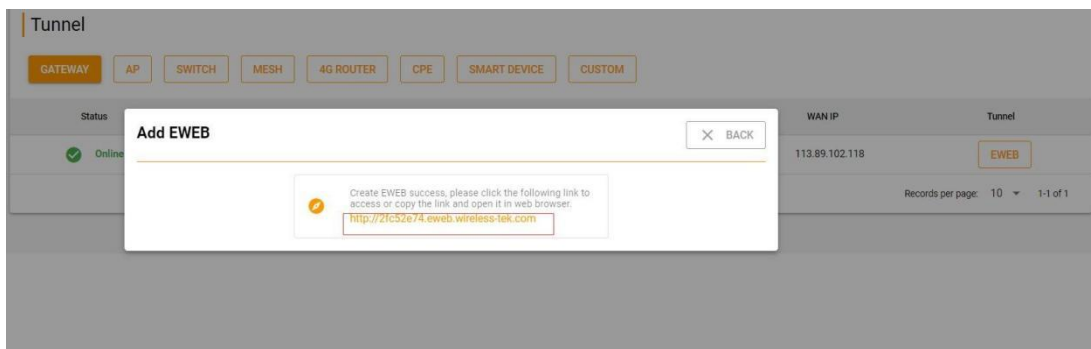
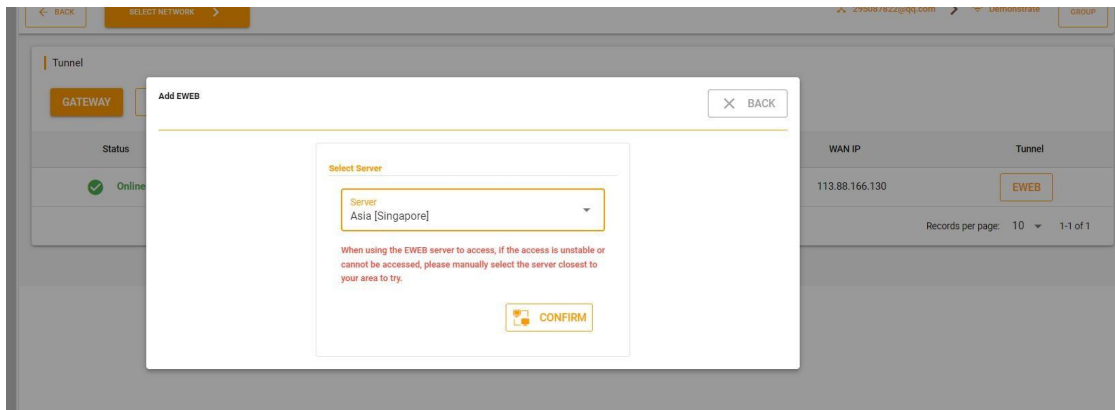
Step 5 Enter the account password of the device to enter the device.

Tunnel

GATEWAY AP SWITCH MESH 4G ROUTER CPE SMART DEVICE CUSTOM

Status	Serial number	Model	Hostname	WAN IP	Tunnel
Online	AC105001206280000	WI-AC105P	AC105P	113.89.102.118	EWEB

Records per page: 10 1-1 of 1



Note: EWEB remote access steps are the same for all devices.

How to CIL remote access devices?

Step 1 Click on the category that requires the remote device (such as SWITCH click SWITCH).

Step 2 Click on TELNET.

Step 3 Click on the generated website address.

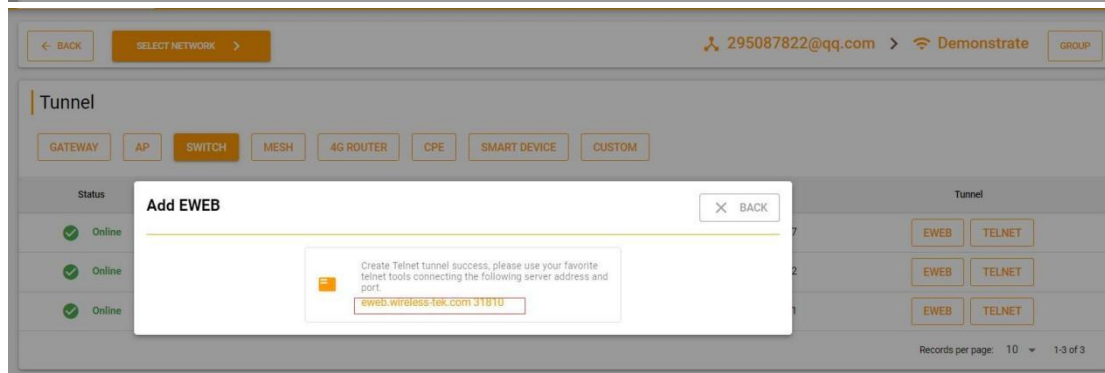
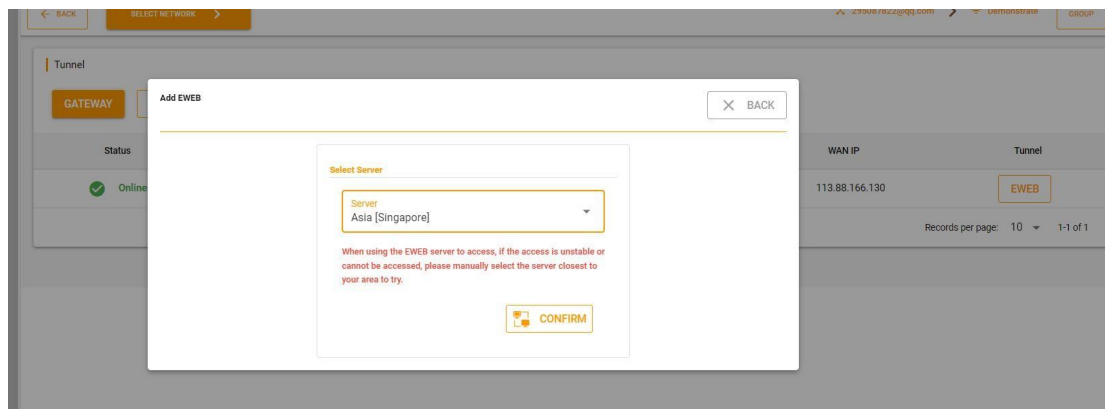
Step 4 Open the Telnet-enabled tool, copy the generated link, and then enter the account and password to log in to the command line mode of the switch.

Tunnel

GATEWAY AP SWITCH MESH 4G ROUTER CPE SMART DEVICE CUSTOM

Status	Serial number	Model	Hostname	WAN IP	Tunnel
Online	SN5566888389988A	WI-PCMS310GF	1F	192.168.20.107	EWEB TELNET
Online	SN111222333444555	WI-CGS5026	3F	192.168.20.102	EWEB TELNET
Online	SN222333444555666	WI-CGS5018	4F	192.168.20.101	EWEB TELNET

Records per page: 10 1-3 of 3



```
Telnet eweb.wireless-tek.com
Microsoft Windows [版本 10.0.19043.1645]
(c) Microsoft Corporation. 保留所有权利。
C:\Users\20631>telnet eweb.wireless-tek.com 31810
正在连接eweb.wireless-tek.com..
```



How to map intranet devices for remote access?

Step 1 Fix a static IP address to the mapped device.

Step 2 Click on **CUSTOM**.

Step 3 Click **+ADD TUNNEL**.

Step 4 Fill in the name, IP address, and access port number.

Step 5 Click **Save**.

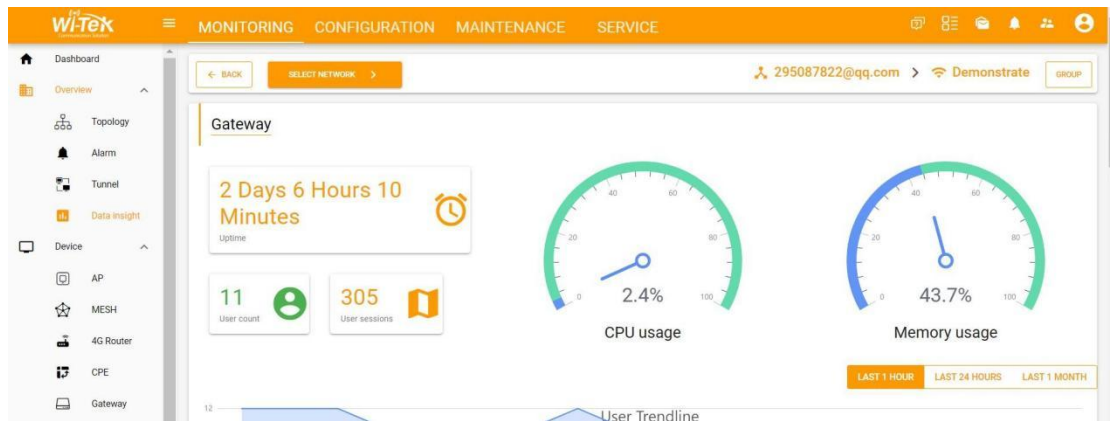
A screenshot of the 'Add Tunnel' configuration form in the EWEB interface. The form is titled 'Add Tunnel' and has a 'SAVE' button and a 'BACK' button. It contains three input fields: 'Name' with the value 'test', 'IP' with the value '192.168.1.1', and 'Port' with the value '80'. The form is overlaid on a background showing various device categories like GATEWAY, AP, SWITCH, MESH, 4G ROUTER, CPE, SMART DEVICE, and CUSTOM.

Note: Only EWEB remote access devices can be mapped

1.2.4 Data insight

Data insight allows you to watch the operation data of the gateway very intuitively, allowing you to understand the traffic and user data of the entire network more clearly.

Steps to enter the Data insight interface: Click **MONITORING>Overview > Data insight**



The following describes the functions on this screen:

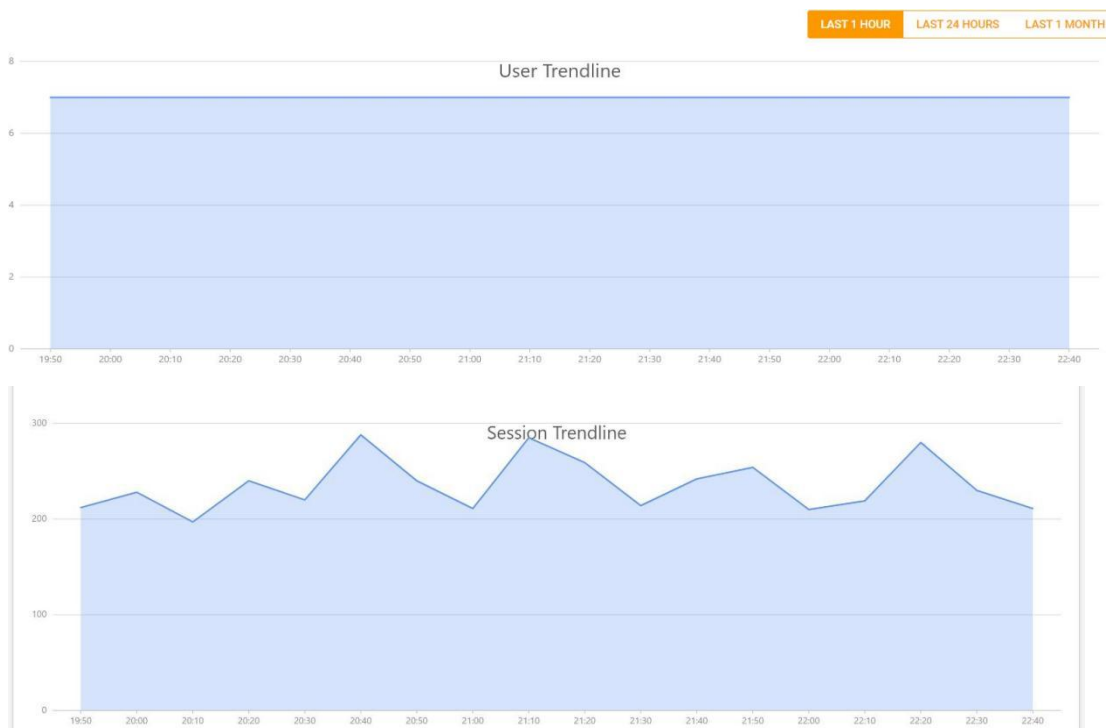
Uptime: Total running time of the device (re-timed after device reboot).

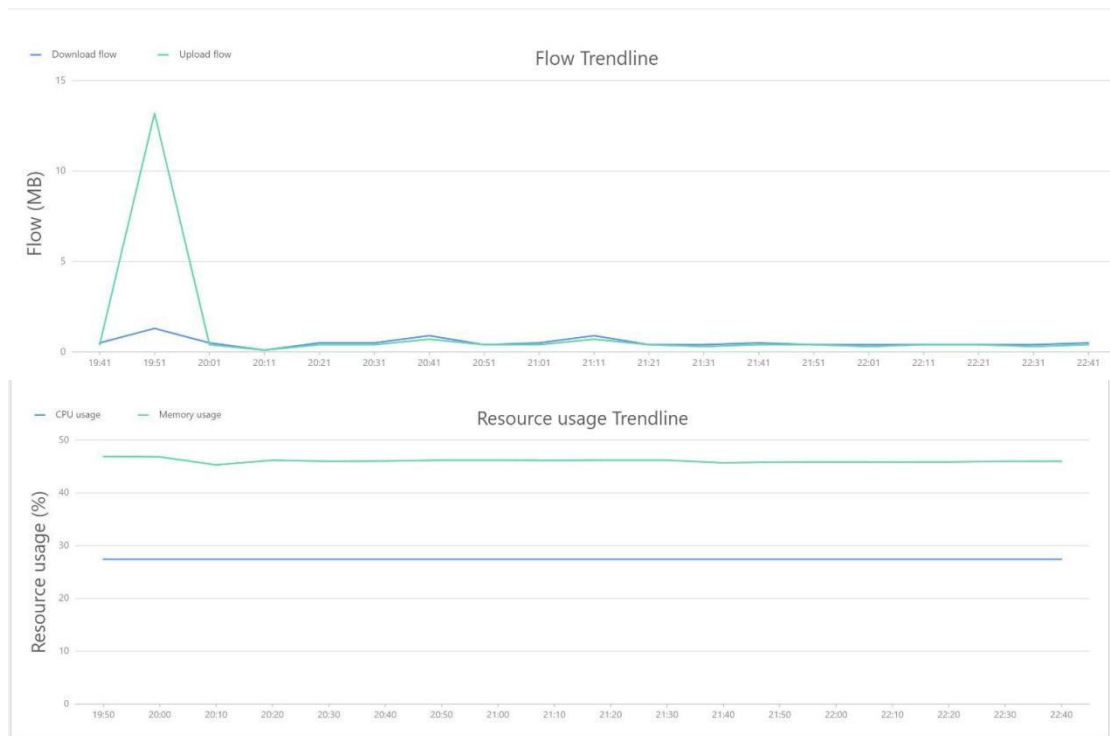
User count: Total number of wired and wireless users.

User sessions: The total number of sessions traversing the gateway.

CPU usage: The CPU usage of the gateway.

Memory usage: The memory usage of the gateway.





The following describes the functions on this screen:

User Trendline: User historical data graph, you can view historical user data according to different time periods. (the abscissa is time, and the ordinate is quantity)

Session Trendline: Historical session data graph, you can view the historical session data according to different time periods selected. (the abscissa is time, and the ordinate is quantity)

Flow Trendline: Historical traffic data graph, you can view the historical usage of traffic according to different time periods. (The abscissa is time, the ordinate is the flow rate; the blue line is Download flow, and the green line is Upload flow)

Resource usage Trendline: Historical gateway resource usage graph, you can view the historical gateway resource usage according to different time periods. (The horizontal axis is time, the vertical axis is % ratio; the blue line is CPU usage, and the green line is Memory usage)

1.3 Device

1.3.1 Never Online

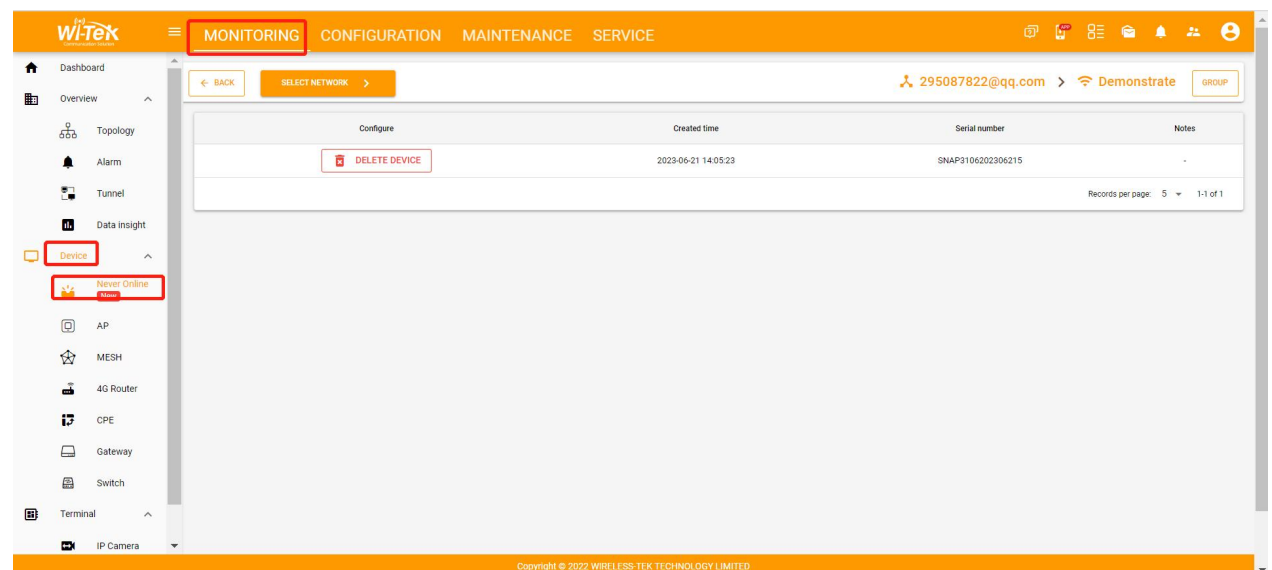
Scenario requirements

View the list of devices that have not been online for a long time. It is generally used to bind multiple devices at the same time to see if there are any omissions, or which devices have been bound and have not passed the network.

view steps

Steps to enter the Never Online interface: Click **MONITORING** >> **Device**>>**Never**

Online



The following describes the functions on this screen:

Configure: Clicking Delete is equivalent to unbinding the device, and the device can be re-bound to other projects.

Created time: Displays the time when the device was bound.

Serial number: Displays the SN code of the device.

Notes: Display the notes when binding the device.

1.3.2 AP

Steps to enter the AP interface: Click **MONITORING** > **Device** > **AP**

<input type="checkbox"/>	Status	AP management	Network Name	Serial number	Model	Hostname	Version	Last update	MAC	W
<input type="checkbox"/>	Online	Cloud management	Demonstrate	AP217001209020298	WI-AP217	WI-TEK-AP ✓	V4.3.BUILD20220919-1922-F87D958 Upgradable	2022-11-03 11:18:28	44:D1:FA:97:FB:1F	192.1
<input type="checkbox"/>	Online	Cloud management	Demonstrate	AP218AX2202EN0067	WI-AP218AX	WI-TEK-AP ✓	v5.0.build20220919-1432-8038888	2022-11-03 11:19:13	44:D1:FA:BC:10:D4	192.1

The **AP List** displays basic device information, including online/offline status, **AP Manager, Serial number, Model, Hostname, Version, Last update, MAC, WAN IP and Notes.**

AP Manager:With cloud management and Gateway AC management((If you select the local AC to manage the AP when binding the device, the SSID and password are issued from the local AC. If the binding device selects cloud management, the wireless SSID and password are issued from the cloud).

Network Name: The displayed name is , the created project name

Serial number: displayed as the SN code of the device, click the SN code of the device to enter the detailed interface of the device.

Hostname:Modify the AP alias, easy to identify where the device is installed

Above the list are the **ADD DEVICE, DELETE DEVICE, RESET FACTORY, REBOOT, UPGRADE, BASE and RADIO.**

ADD DEVICE:

If a new device is added, you can click ADD DEVICE to add it to the cloud platform.

DELETE DEVICE:

If the device is no longer needed, you can select the device and click DELETE DEVICE.

RESET FACTORY:

If you need to factory reset the device, select the device and click RESET FACTORY.

REBOOT:

If the device needs to be restarted, select the device and click REBOOT. UPGRADE:

If the device needs to be upgraded, select the device and click UPGRADE. **BASE:**Basic information display of AP.

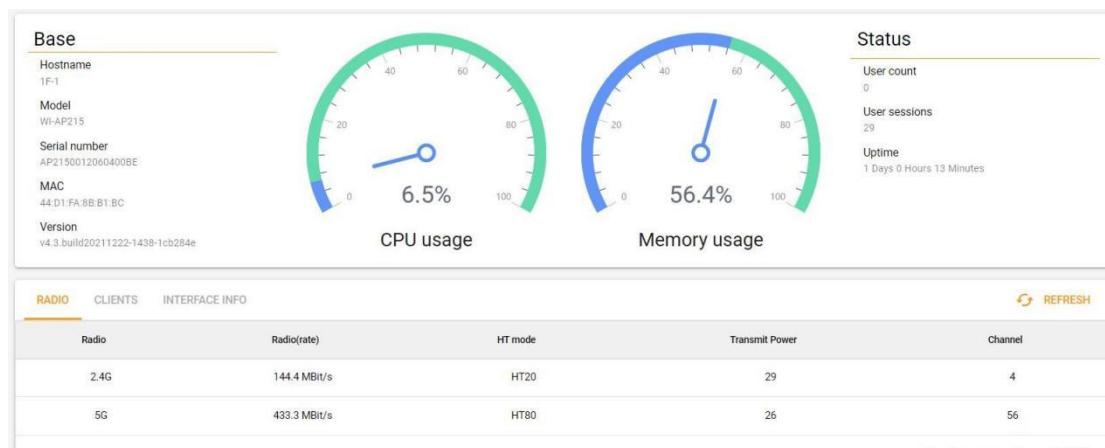
RADIO: RADIO information display of AP.

EWEB: Select the device, click EWEB to jump directly to the remote connection interface (only one device can be selected at a time)

Device Details

Click the serial number in the device list to open the details page for a single device.

It can display the basic information of the device, CPU and memory usage, device Status, RADIO, CLIENTS and INTERFACE INFO information.



Status

User count: Number of connected users of a single AP.

Uptime: The running time of the AP, every time the device is restarted, the time is re-timed.

User sessions: The number of running sessions for the device.

RADIO: RADIO basic information display.

CLIENTS: Wireless connection user display.

INTERFACE INFO: Device interface information display.

How to add a new AP device?

Before binding device, you should find out the Serial number of one device at least.

It can be found on the sticker on the back of the device or log in the web management page of device. The serial number is 17-digit.

Note:

1.If you only want to bind one device, please choose **ENTER SERIAL NUMBER** for binding.

2.If you want to bind multiple devices at once time, please choose **SCAN DEVICE** for batch binding.

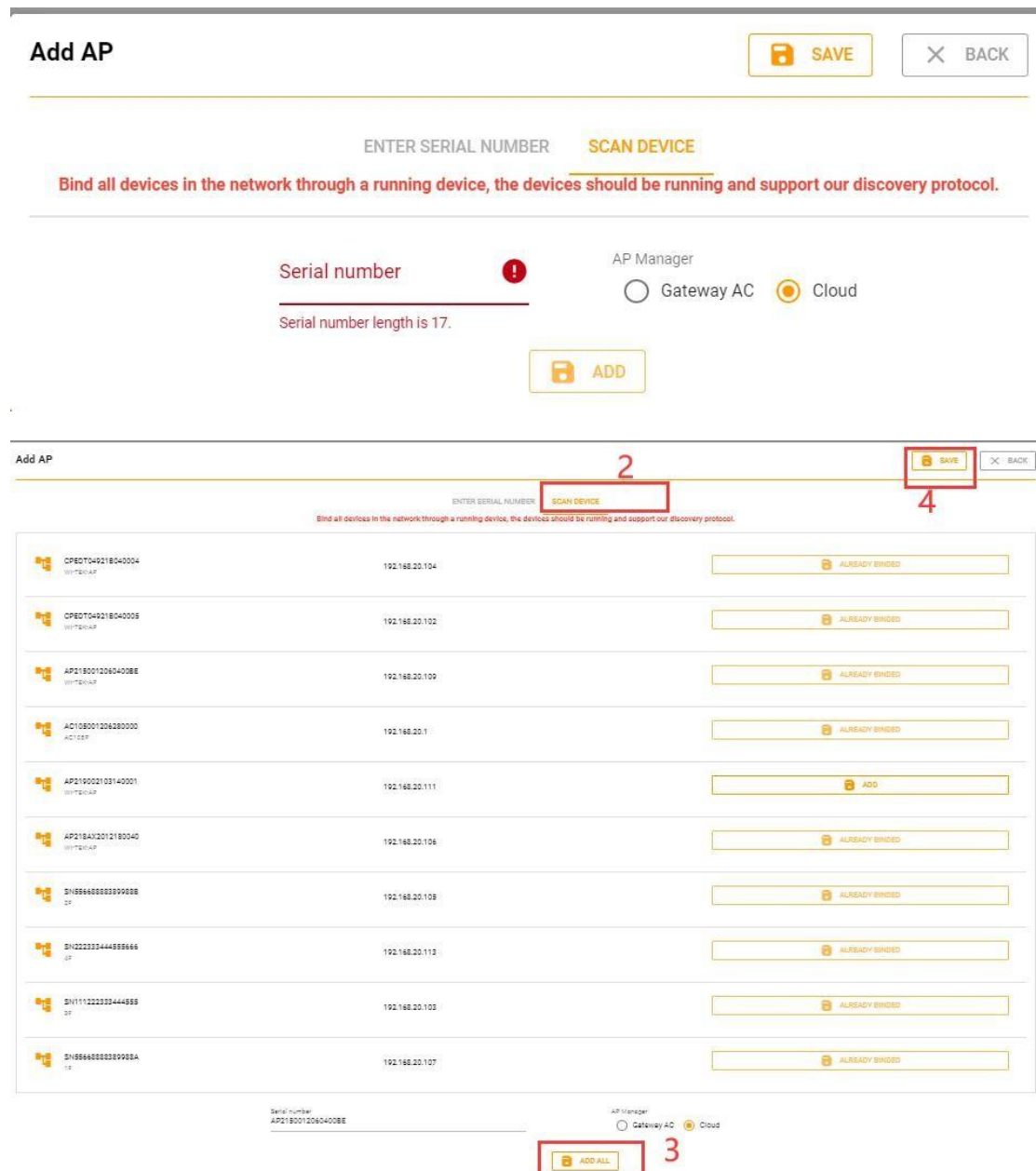
The device to be bound must be able to access the Internet, and the S/N filled in must be one of the devices running in the this local area network.

The picture below shows the **SCAN DEVICE** step.

Step 1. Please select SCAN DEVICE, and fill in one serial number of local network Wi-Tek device. (If you select the local AC to manage the AP when binding the device, the SSID and password are issued from the local AC. If the binding device selects cloud management, the wireless SSID and password are issued from the cloud).

Step 2. Auto scan all the Wi-Tek devices and Onvif smart devices of this network.

Step 3. You can select to add the device one by one or click on **ADD ALL** to add all devices at once time.



How to change the AP name?

Step 1 Enter the AP management interface.

Step 2 Go to the Hostname column, there is a pen next to each device and click to modify

Step 3 Save

The screenshot shows the AP management interface with a table of devices. A modal is open for editing the hostname of the first device. The modal contains a text input field with '1F-1' and two buttons: 'CANCEL' and 'SET'.

Status	AP Manager	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	Cloud	AP2150012060400BE	Wi-AP215	1F-1	v4.3.build20211222-1438-1cb284e	2022-04-24 13:53:32	44:D1:FA:8B:B1:BC	113.89.101.112	
Online	Gateway AC	AP219002103140001	Wi-AP219AX	1F-2	v5.0.build20210929-1621-18d68bd	2022-04-24 13:50:06	44:D1:FA:A7:9E:68	113.89.101.112	
Online	Cloud	AP218AX2012180040	Wi-AP218AX	1F-3	v5.0.build20211125-2339-187c1df	2022-04-24 13:52:05	44:D1:FA:A8:82:F6	113.89.101.112	

How to Upgrade All APs With One Click?

Step 1 Enter the AP management interface.

Step 2 Select the device that needs to be upgraded. Step 3 Stand-alone UPGRADE.

The screenshot shows the AP management interface with the 'UPGRADE' button highlighted in a red box. The table below has checkboxes selected for all four devices.

Status	AP Manager	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	Cloud	AP2150012060400BE	Wi-AP215	1F-1	v4.3.build20211222-1438-1cb284e	2022-04-24 13:53:32	44:D1:FA:8B:B1:BC	113.89.101.112	
Online	Gateway AC	AP219002103140001	Wi-AP219AX	1F-2	v5.0.build20210929-1621-18d68bd	2022-04-24 13:50:06	44:D1:FA:A7:9E:68	113.89.101.112	
Online	Cloud	AP218AX2012180040	Wi-AP218AX	1F-3	v5.0.build20211125-2339-187c1df	2022-04-24 13:52:05	44:D1:FA:A8:82:F6	113.89.101.112	

Notice:

The device has a new version, the version column will prompt.

1.3.3 MESH

Steps to enter the MESH interface: Click MONITORING > Device > MESH

The screenshot shows the MESH management interface with a table containing one device.

Status	Network Name	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	Demonstrate	AP717MP2201US0136	Wi-AP717MP	Master AP	v5.0.build20220930-1025	2022-11-03 13:53:38	88:12:4C:B0:1D:70	113.88.166.204	

The MESH List displays basic device information, including online/offline status, **Serial number, Model, Hostname, Version, Last update, MAC**, WAN IP and Notes.

Network Name: The displayed name is , the created project name

Serial number: displayed as the SN code of the device, click the SN code of the device to enter the detailed interface of the device.

Hostname: Modify the CPE alias, easy to identify where the device is installed

Above the list are the **ADD DEVICE, DELETE DEVICE, RESET FACTORY, REBOOT, UPGRADE, BASE and RADIO.**

ADD DEVICE:

If a new device is added, you can click **ADD DEVICE** to add it to the cloud platform.

DELETE DEVICE:

If the device is no longer needed, you can select the device and click **DELETE DEVICE.**

RESET FACTORY:

If you need to factory reset the device, select the device and click **RESET FACTORY.**

REBOOT:

If the device needs to be restarted, select the device and click **REBOOT.**

UPGRADE:

If the device needs to be upgraded, select the device and click **UPGRADE.**

BASE:Basic information display of **MESH.**

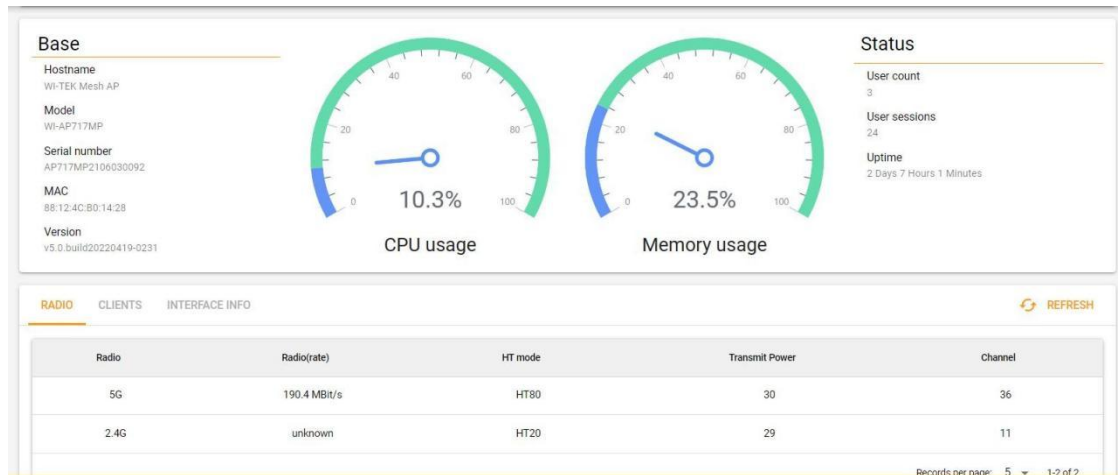
RADIO: RADIO information display of **MESH.**

EWEB: Select the device, click EWEB to jump directly to the remote connection interface (only one device can be selected at a time)

Device Details

Click the serial number in the device list to open the details page for a single device.

It can display the basic information of the device, CPU and memory usage, device Status, RADIO, CLIENTS and INTERFACE INFO information.



Status:

User count: Number of connected users of a single MESH.

Uptime:The running time of the MESH, every time the device is restarted, the time is re-timed.

User sessions:The number of running sessions for the device.

RADIO: RADIO basic information display.

CLIENTS:Wireless connection user display.

INTERFACE INFO: Device interface information display.

How to add a new MESH device?

Notice:The device to be bound must be able to access the Internet, and the S/N filled in must be one of the devices running in the this local area network.

It can be found on the sticker on the back of the device or log in the web management page of device. The serial number is 17-digit.

The picture below shows the ENTER SERIAL NUMBER step.

Step 1. Click on **ADD DEVICE**

Step 2. Please select **ENTER SERIAL NUMBER**, Fill in the 17-digit SN number of the device.

Step 3. Click **ADD and SAVE**

Add MESH

SAVE

BACK

ENTER SERIAL NUMBER SCAN DEVICE

Please enter the device serial number to bind a device to the current group, device can be off when do binding.

Serial number

AP717MP2106030092

AP Manager

Gateway AC Cloud

Notes

ADD

How to change the MESH name?

Step 1 Enter the MESH management interface.

Step 2 Go to the Hostname column, there is a pen next to each device and click to modify

Step 3 Save

Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	AP717MP2106030092	Wi-AP717M	2F-1	V5.0.BUILD20220419-0231	2022-04-24 17:46:02	88:12:4C:B0:14:28	113.89.101.112	

How to Upgrade MESH With One Click?

Step 1 Enter the MESH management interface.

Step 2 Select the device that needs to be upgraded.

Step 3 Stand-alone UPGRADE.

Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	AP717MP2106030092	Wi-AP717M	Wi-TEK Mesh AP	V5.0.BUILD20220419-0231	2022-04-24 17:46:02	88:12:4C:B0:14:28	113.89.101.112	

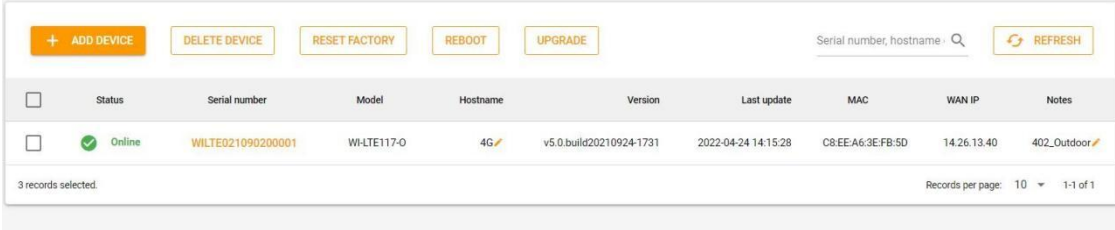
1 record selected. Records per page: 10 1-1 of 1

Notice:

The device has a new version, the version column will prompt.

1.3.4 4G Router

Steps to enter the 4G Router interface: Click MONITORING > Device > 4G Router



The screenshot shows a web interface for monitoring 4G routers. At the top, there are five action buttons: '+ ADD DEVICE', 'DELETE DEVICE', 'RESET FACTORY', 'REBOOT', and 'UPGRADE'. To the right of these buttons is a search bar labeled 'Serial number, hostname' and a 'REFRESH' button. Below the buttons is a table with the following columns: Status, Serial number, Model, Hostname, Version, Last update, MAC, WAN IP, and Notes. The table contains one visible row with the following data: Status: Online (with a green checkmark), Serial number: WILTE021090200001, Model: WH-LTE117-0, Hostname: 4G (with a green checkmark), Version: v5.0.build20210924-1731, Last update: 2022-04-24 14:15:28, MAC: C8:EE:A6:3E:FB:5D, WAN IP: 14.26.13.40, Notes: 402_Outdoor (with a green checkmark). At the bottom left of the table area, it says '3 records selected.' At the bottom right, it says 'Records per page: 10' and '1-1 of 1'.

<input type="checkbox"/>	Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
<input type="checkbox"/>	Online	WILTE021090200001	WH-LTE117-0	4G	v5.0.build20210924-1731	2022-04-24 14:15:28	C8:EE:A6:3E:FB:5D	14.26.13.40	402_Outdoor

The **4G Router List** displays basic device information, including online/offline status, **Serial number, Model, Hostname, Version, Last update, MAC, WAN IP and Notes.**

Hostname: Modify the 4G Router alias.

Network Name: The displayed name is , the created project name

Serial number: displayed as the SN code of the device, click the SN code of the device to enter the detailed interface of the device.

Notes: Modify the 4G Router alias, easy to identify where the device is installed

Above the list are the **ADD DEVICE, DELETE DEVICE, RESET FACTORY, REBOOT, UPGRADE, BASE and RADIO.**

ADD DEVICE:

If a new device is added, you can click ADD DEVICE to add it to the cloud platform.

DELETE DEVICE:

If the device is no longer needed, you can select the device and click DELETE DEVICE.

RESET FACTORY:

If you need to factory reset the device, select the device and click RESET FACTORY.

REBOOT:

If the device needs to be restarted, select the device and click REBOOT.

UPGRADE: If the device needs to be upgraded, select the device and click UPGRADE. **BASE:** Basic information display of 4G Router.

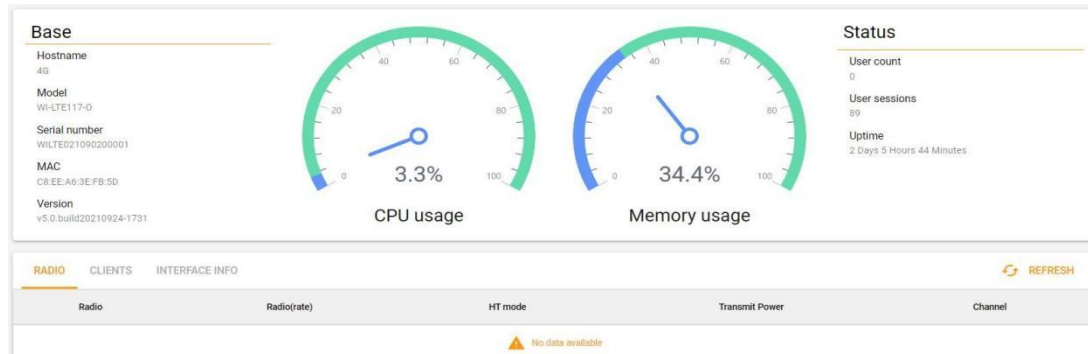
RADIO: RADIO information display of 4G Router.

EWEB: Select the device, click EWEB to jump directly to the remote connection (only one device can be selected at a time)

Device Details

Click the serial number in the device list to open the details page for a single device.

It can display the basic information of the device, CPU and memory usage, device Status, **RADIO, CLIENTS and INTERFACE INFO** information.



Status:

User count: Number of connected users of a single 4G Router.

Uptime: The running time of the 4G Router, every time the device is restarted, the time is re-timed.

User sessions: The number of running sessions for the device.

RADIO: RADIO basic information display.

CLIENTS: Wireless connection user display.

INTERFACE INFO: Device interface information display.

How to add a new 4G Router device?

Notice: The device to be bound must be able to access the Internet, and the S/N filled in must be one of the devices running in the this local area network.

It can be found on the sticker on the back of the device or log in the web management page of device. The serial number is 17-digit.

The picture below shows the **ENTER SERIAL NUMBER** step.

Step 1. Click on **ADD DEVICE**

Step 2. Please select ENTER SERIAL NUMBER, Fill in the 17-digit SN number of the device.

Step 3. Click ADD and SAVE

Add 4G Router

ENTER SERIAL NUMBER SCAN DEVICE

Please enter the device serial number to bind a device to the current group, device can be off when do binding.

1.

WILTE021090200001

Serial number
WILTE021090200001

AP Manager
 Gateway AC Cloud

Notes

How to change the 4G Router name?

Step 1 Enter the 4G Router management interface.

Step 2 Go to the Hostname column, there is a pen next to each device and click to modify

Step 3 Save

Serial number, hostname

<input type="checkbox"/>	Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
<input type="checkbox"/>	Online	WILTE021090200001	WILTE117	1F-1 <input type="button" value="pen"/>	v5.0.build20210924-1731	2022-04-24 16:00:17	C8:EE:A6:3E:FB:5D	14.26.13.40	402_Outdoor

Records per page: 10 1-1 of 1

How to Upgrade 4G Router With One Click?

Step 1 Enter the 4G Router management interface.

Step 2 Select the device that needs to be upgraded.

Step 3 Stand-alone UPGRADE.

Serial number, hostname

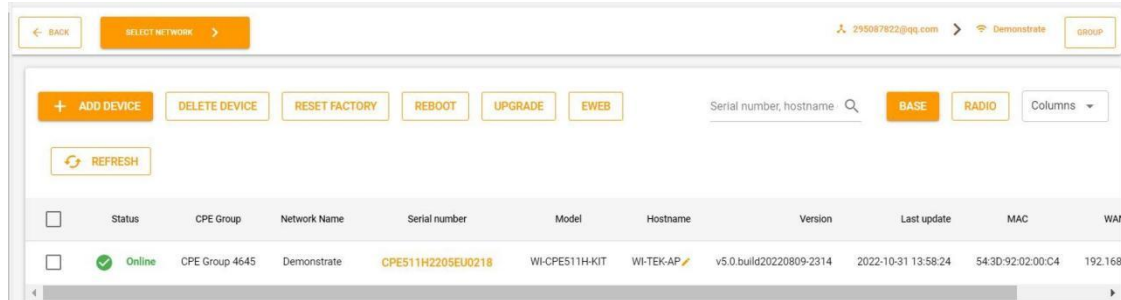
<input type="checkbox"/>	Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
<input checked="" type="checkbox"/>	Online	WILTE021090200001	W-LTE117-0	1F-1 <input type="button" value="pen"/>	v5.0.build20210924-1731	2022-04-24 16:00:17	C8:EE:A6:3E:FB:5D	14.26.13.40	402_Outdoor

1 record selected.Records per page: 10 1-1 of 1

Notice: The device has a new version, the version column will prompt.

1.3.5 CPE

Steps to enter the AP interface: Click MONITORING > Device > CPE



The **CPE List** displays basic device information, including online/offline status, CPE Group, **Network Name**, **Serial number**, **Model**, **Hostname**, **Version**, **Last update**, **MAC**, **WAN IP** and **Notes**.

CPE Group: Group name, the same group of CPE will be assigned to a group by default

Network Name: The displayed name is , the created project name

Serial number: displayed as the SN code of the device, click the SN code of the device to enter the detailed interface of the device.

Hostname: Modify the CPE alias, easy to identify where the device is installed

Above the list are the **ADD DEVICE**, **DELETE DEVICE**, **RESET FACTORY**, **REBOOT**, **UPGRADE**, **BASE** and **RADIO**.

ADD DEVICE:

If a new device is added, you can click ADD DEVICE to add it to the cloud platform.

DELETE DEVICE:

If the device is no longer needed, you can select the device and click DELETE DEVICE.

RESET FACTORY:

If you need to factory reset the device, select the device and click RESET FACTORY.

REBOOT:

If the device needs to be restarted, select the device and click REBOOT. **UPGRADE:**

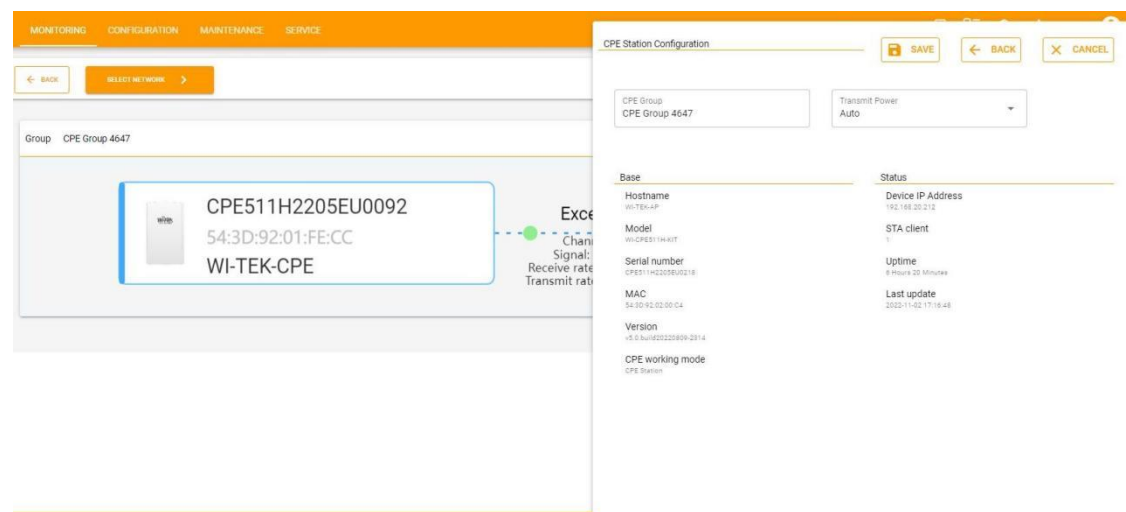
If the device needs to be upgraded, select the device and click UPGRADE. **BASE:** Basic information display of CPE.

RADIO: RADIO information display of CPE

EWEB: Select the device, click EWEB to jump directly to the remote connection interface
(only one device can be selected at a time)

CPE Station Configuration

Click the serial number in the device list to open the CPE Station Configuration page of a single device, which can display the basic information of the device, configure the power of the CEP, and group it.



CPE Group: The same group of CPEs are assigned to the same group by default. If there is a different manual change or the group name is deleted, click Save and the system will reassign it by default.

How to add a new CPE device?

Before binding device, you should find out the Serial number of one device at least.

It can be found on the sticker on the back of the device or log in the web management page of device. The serial number is 17-digit.

Notice:1.If you only want to bind one device, please choose **ENTER SERIAL NUMBER** for binding.

2.If you want to bind multiple devices at once time, please choose **SCAN DEVICE** for batch binding.

The device to be bound must be able to access the Internet, and the S/N filled in must be

one of the devices running in the this local area network.

The picture below shows the SCAN DEVICE step.

Step 1. Please select SCAN DEVICE, and fill in one serial number of local network Wi-Tek device

Step 2. Auto scan all the Wi-Tek devices and Onvif smart devices of this network.

Step 3. You can select to add the device one by one or click on ADD ALL to add all devices at once time.

Add AP SAVE BACK

ENTER SERIAL NUMBER **SCAN DEVICE**

Bind all devices in the network through a running device, the devices should be running and support our discovery protocol.

Serial number ! AP Manager
 Gateway AC Cloud
Serial number length is 17.

ADD

Add AP SAVE BACK

ENTER SERIAL NUMBER **SCAN DEVICE**

Bind all devices in the network through a running device, the devices should be running and support our discovery protocol.

OPE2T040218042004 Wi-Tek AP	192.168.20.104	ALREADY BINDED
OPE2T040218042005 Wi-Tek AP	192.168.20.102	ALREADY BINDED
AP2180120604008E Wi-Tek AP	192.168.20.100	ALREADY BINDED
AC10820120628000 AC108P	192.168.20.1	ALREADY BINDED
AP219002103142001 Wi-Tek AP	192.168.20.111	ADD
AP218AX20121802040 Wi-Tek AP	102.168.20.106	ALREADY BINDED
DN1586680803099088 ZF	192.168.20.109	ALREADY BINDED
DN222333444856666 ZF	192.168.20.113	ALREADY BINDED
DN111222333444855 ZF	192.168.20.103	ALREADY BINDED
DN158668080309988A ZF	192.168.20.107	ALREADY BINDED

Serial number: AP2180120604008E AP Manager: Gateway AC Cloud

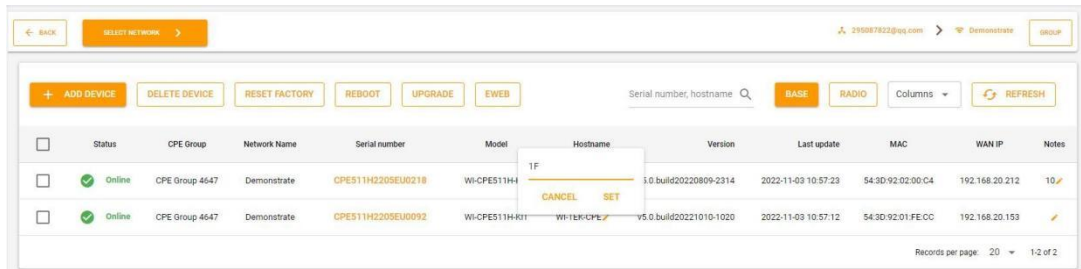
ADD ALL

How to change the CPE name?

Step 1 Enter the CPE management interface.

Step 2 Go to the Hostname column, there is a pen next to each device and click to modify

Step 3 Save

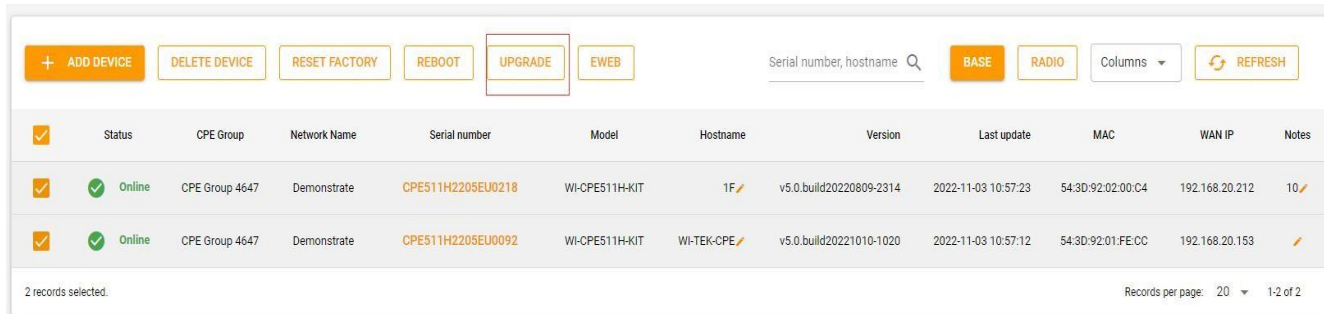


How to Upgrade All CPEs With One Click?

Step 1 Enter the CPE management interface.

Step 2 Select the device that needs to be upgraded.

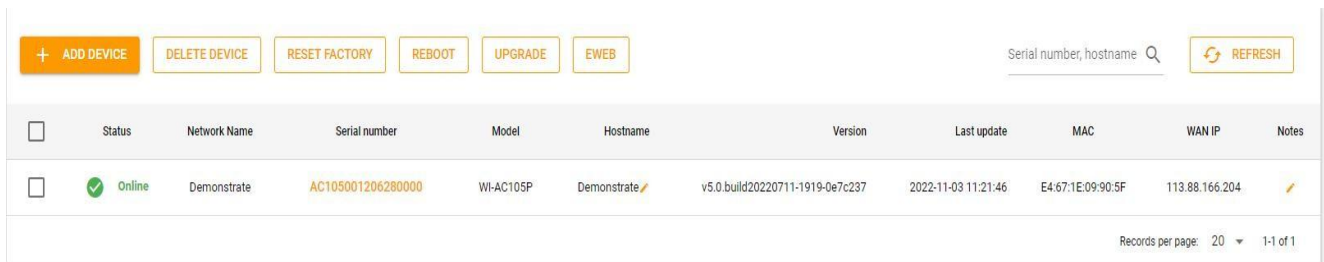
Step 3 Stand-alone UPGRADE.



Notice: The device has a new version, the version column will prompt.

1.3.6 Gateway

Steps to enter the Gateway interface: Click MONITORING > Device > Gateway



The **Gateway List** displays basic device information, including online/offline status, **Serial number, Model, Hostname, Version, Last update, MAC, WAN IP and Notes.**

Network Name: The displayed name is , the created project name

Serial number: displayed as the SN code of the device, click the SN code of the device to enter the detailed interface of the device.

Hostname:Modify the Gateway alias, easy to identify where the device is installed

Above the list are the **ADD DEVICE, DELETE DEVICE, RESET FACTORY, REBOOT and UPGRADE.**

ADD DEVICE:

If a new device is added, you can click ADD DEVICE to add it to the cloud platform.

DELETE DEVICE:

If the device is no longer needed, you can select the device and click DELETE DEVICE.

RESET FACTORY:

If you need to factory reset the device, select the device and click RESET FACTORY.

REBOOT:If the device needs to be restarted, select the device and click **REBOOT.**

UPGRADE:If the device needs to be upgraded, select the device and click **UPGRADE.**

EWEB: Select the device, click EWEB to jump directly to the remote connection interface (only one device can be selected at a time)

Device Details

Click the serial number in the device list to open the details page for a single device.

It can display the base information of the device, CPU and memory usage, device Status, WAN INTERFACE INFO and LAN INTERFACE INFO information.

The screenshot displays the 'Device Details' page for a device with the following information:

- Base Information:**
 - Hostname: AC10SP
 - Model: WI-AC10SP
 - Serial number: AC105001206280000
 - MAC: E4-67-1E-09-90-5F
 - Version: v5.0.bull020220407-0726-5fd84c4
- Usage Gauges:**
 - CPU usage: 27.4%
 - Memory usage: 37.5%
- Status:**
 - User count: 5
 - User sessions: 182
 - Uptime: 2 Days 4 Hours 19 Minutes
- WAN INTERFACE INFO Table:**

Hostname	Serial number	Interface	IP	Netmask	MAC
AC10SP	AC105001206280000	wan	192.168.13.102	24	E4-67-1E-09-90-60

Records per page: 5 | 1-1 of 1

Status:

User sessions:The number of running sessions for the device.

Uptime:The running time of the AP, every time the device is restarted, the time is re-timed.

WAN INTERFACE INFO:Display WAN port information.

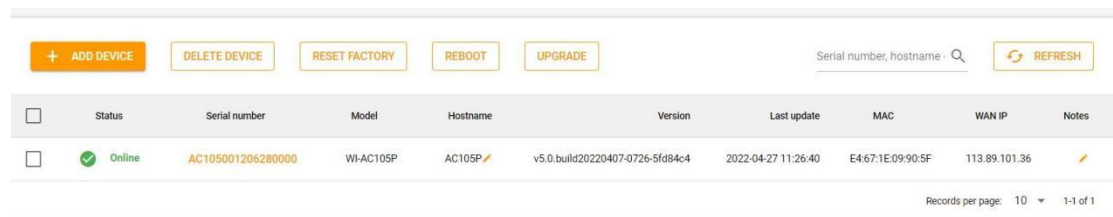
LAN INTERFACE INFO:Display LAN port information.

How to Upgrade Gateway With One Click?

Step 1 Enter the Gateway management interface.

Step 2 Select the device that needs to be upgraded.

Step 3 Stand-alone UPGRADE.



The screenshot shows a management interface with several action buttons at the top: '+ ADD DEVICE', 'DELETE DEVICE', 'RESET FACTORY', 'REBOOT', and 'UPGRADE'. There is a search field for 'Serial number, hostname' and a 'REFRESH' button. Below the buttons is a table with the following columns: Status, Serial number, Model, Hostname, Version, Last update, MAC, WAN IP, and Notes. One device is listed with the following details:

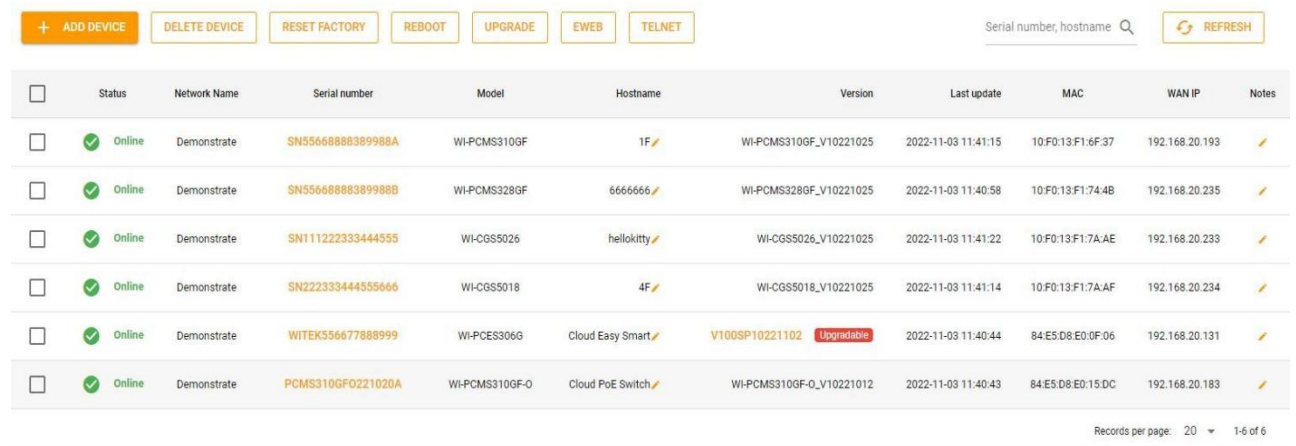
Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	AC105001206280000	WI-AC105P	AC105P	v5.0.build20220407-0726-5fd84c4	2022-04-27 11:26:40	E4:67:1E:09:90:5F	113.89.101.36	

Records per page: 10 1-1 of 1

Notice: The device has a new version, the version column will prompt.

1.3.7 Switch Management Interface

Steps to enter the Switch interface:Click **MONITORING > Device >Switch**



The screenshot shows a management interface with action buttons: '+ ADD DEVICE', 'DELETE DEVICE', 'RESET FACTORY', 'REBOOT', 'UPGRADE', 'EWEB', and 'TELNET'. There is a search field for 'Serial number, hostname' and a 'REFRESH' button. Below the buttons is a table with the following columns: Status, Network Name, Serial number, Model, Hostname, Version, Last update, MAC, WAN IP, and Notes. Six devices are listed:

Status	Network Name	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
Online	Demonstrate	SN55668888389988A	WI-PCMS310GF	1F	WI-PCMS310GF_V10221025	2022-11-03 11:41:15	10:F0:13:F1:6F:37	192.168.20.193	
Online	Demonstrate	SN55668888389988B	WI-PCMS328GF	6666666	WI-PCMS328GF_V10221025	2022-11-03 11:40:58	10:F0:13:F1:74:4B	192.168.20.235	
Online	Demonstrate	SN111222333444555	WI-CGS5026	hellokitty	WI-CGS5026_V10221025	2022-11-03 11:41:22	10:F0:13:F1:7A:AE	192.168.20.233	
Online	Demonstrate	SN222333444555666	WI-CGS5018	4F	WI-CGS5018_V10221025	2022-11-03 11:41:14	10:F0:13:F1:7A:AF	192.168.20.234	
Online	Demonstrate	WITEK556677888999	WI-PCES306G	Cloud Easy Smart	V100SP10221102 Upgradable	2022-11-03 11:40:44	84:E5:D8:E0:0F:06	192.168.20.131	
Online	Demonstrate	PCMS310GF0221020A	WI-PCMS310GF-O	Cloud PoE Switch	WI-PCMS310GF-O_V10221012	2022-11-03 11:40:43	84:E5:D8:E0:15:DC	192.168.20.183	

Records per page: 20 1-6 of 6

The Switch List displays basic device information, including online/offline status, **Serial number, Model, Hostname, Version, Last update, MAC, WAN IP and Notes.**

Network Name: The displayed name is , the created project name

Serial number: displayed as the SN code of the device, click the SN code of the device to enter the detailed interface of the device.

Hostname:Modify the Switch alias, easy to identify where the device is installed

Above the list are the **ADD DEVICE, DELETE DEVICE, RESET FACTORY, REBOOT and UPGRADE.**

ADD DEVICE:

If a new device is added, you can click ADD DEVICE to add it to the cloud platform.

DELETE DEVICE:

If the device is no longer needed, you can select the device and click DELETE DEVICE.

RESET FACTORY:

If you need to factory reset the device, select the device and click RESET FACTORY.

REBOOT:

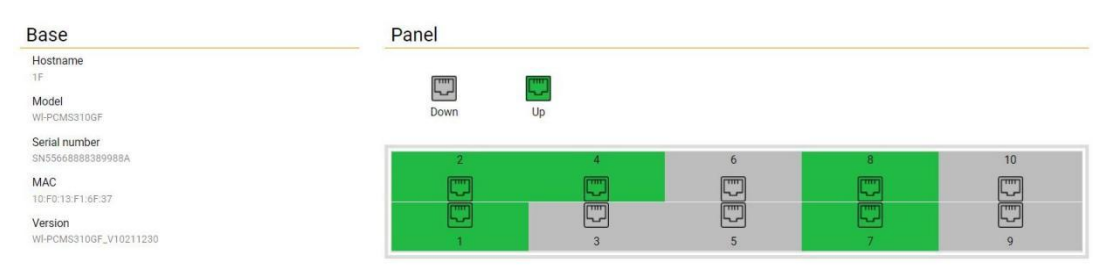
If the device needs to be restarted, select the device and click REBOOT.

If the device needs to be upgraded, select the device and click UPGRADE.

EWEB: Select the device, click EWEB to jump directly to the remote connection interface (only one device can be selected at a time)

Device Details

Click the serial number in the device list to open the details page for a single device.

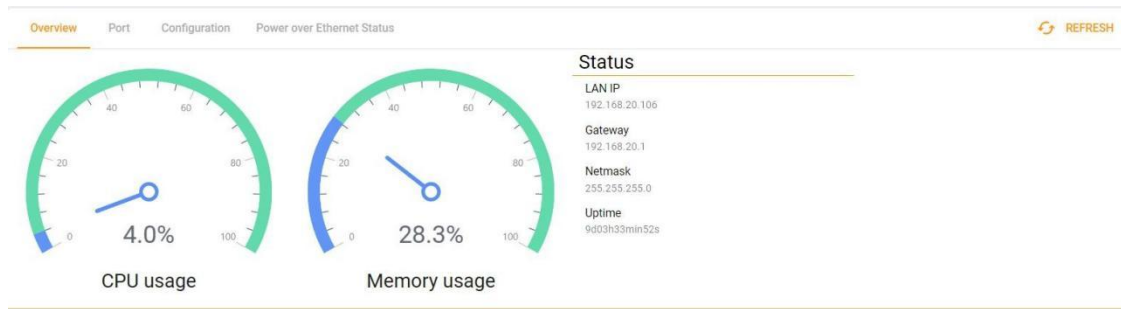


Note: Gray ports are empty ports.

The green port is the port in use.

Overview

Displays the CPU and memory usage of the switch and basic operating status information of the switch.



LAN IP: Displayed as the management IP address of the switch

Uptime: The running time of the switch, the device restarts to restart the timing.

Port

It can display switch port information, configure port mode, close and open ports, close and open POE ports, etc.

Port Configuration

Configure ports: []

Port List

Port	Port Name	Link status	Speed	Duplex	Flow(Tx/Rx)	Rate(Tx/Rx)	Port mode	PVID	TAG VLAN	UNTAG VLAN
1	gi1	Up	100Mbps	Full duplex	242MB/677MB	3/6 Kbps	trunk	1	-	1
2	gi2	Up	100Mbps	Full duplex	391MB/329MB	1/6 Kbps	trunk	1	-	1
3	gi3	Down	0Mbps	Auto	0/0	0/0 Kbps	trunk	1	-	1
4	gi4	Up	100Mbps	Full duplex	1GB/686MB	1/6 Kbps	trunk	1	-	1
5	gi5	Down	0Mbps	Auto	0/0	0/0 Kbps	trunk	1	-	1
6	gi6	Down	0Mbps	Auto	336MB/959MB	0/0 Kbps	trunk	1	-	1

Configure ports: Display the port number that needs to be configured.

Flow(Tx/Rx): Port accumulated traffic. (The device restarts and the cumulative flow is recalculated)

Rate(Tx/Rx): Currently used bandwidth traffic.

Configuration

Configure VLAN ID

VLAN List

ADD VLAN

Configure success

VLAN ID	Description	Port	Configure
1	default	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	-
4	VLAN0004		DELETE
5	VLAN0005		DELETE
12	12345t		DELETE

Records per page: 10 1-4 of 4

ADD VLAN :Add new VLAN ID

Power over Ethernet Status

Display the port power supply information of the POE switch

Overview Port Configuration **Power over Ethernet Status** REFRESH

PoE Port List

Total PoE Power : 140.00 W, Current PoE Power : 17.00 W.

Port	Port Name	Support PoE	Force Power Enable	Power (mW)	Current (mA)
1	gi1	Support	Enable	2.60	49.00
2	gi2	Support	Enable	2.20	43.00
3	gi3	Support	Disable	-	-
4	gi4	Support	Enable	6.00	107.00
5	gi5	Support	Disable	-	-
6	gi6	Support	Disable	-	-
7	gi7	Support	Enable	2.40	41.00
8	gi8	Support	Disable	-	-
9	gi9	does not support	Disable	-	-

FDB

MAC	Port	VLAN
00:99:99:4C:BB:4C	7	1
00:99:99:87:A5:67	1	1
00:99:99:93:A5:93	1	1
10:F0:13:F1:7A:AE	8	1
10:F0:13:F1:7A:AF	8	1
44:D1:FA:75:BB:4C	7	1
44:D1:FA:8B:B1:BC	2	1
44:D1:FA:A8:82:FA	4	1
44:D1:FA:C4:A5:85	1	1
44:D1:FA:C4:A5:91	1	1

Records per page: 10 1-10 of 11

Smart Device

LAN IP	Model	MAC	Port	VLAN
No data available				

FDB: MAC address forwarding table.

Smart Device: Display smart devices that support ONVIF protocol

How to Configure Switch VLANs ?

1.Create a VLAN ID number

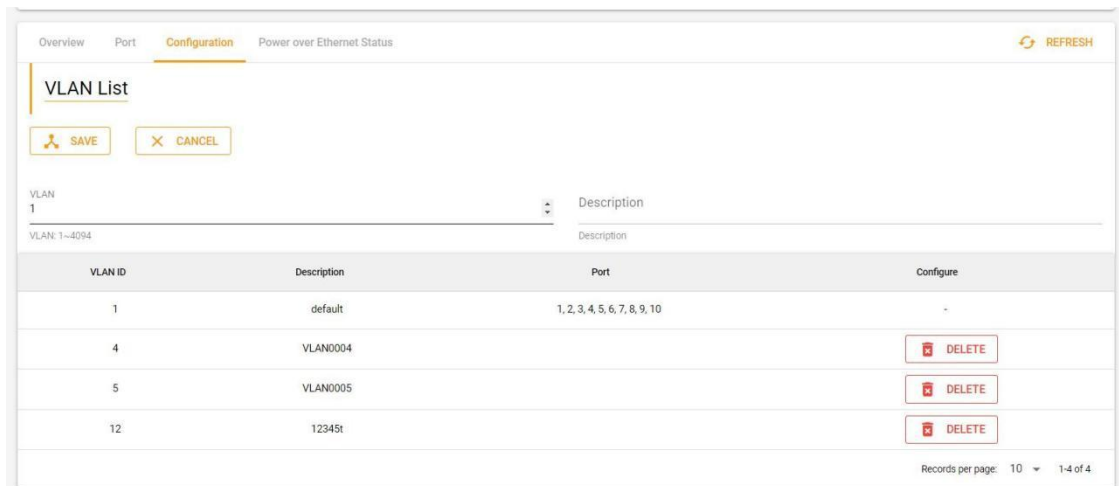
Step 1 Click the SN of the switch to enter the switch details interface

Step 2 Click Configuration

Step 3 Click on ADD VLAN

Step 4: Add VLAN ID

Step 5 Click Save



Note: Create VLAN IDs in the range 1-4094

2. Set the port mode and add the port to the corresponding VLAN

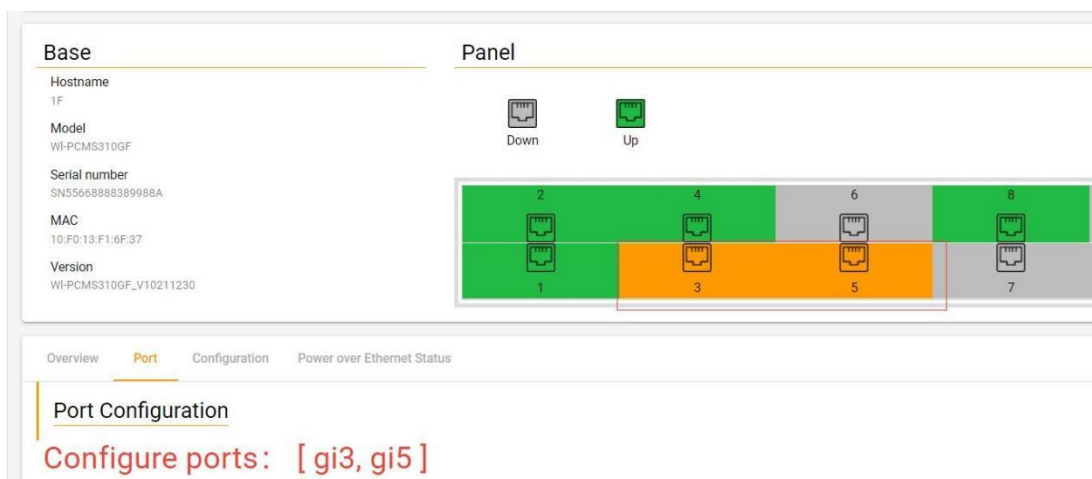
Step 1 Click on port

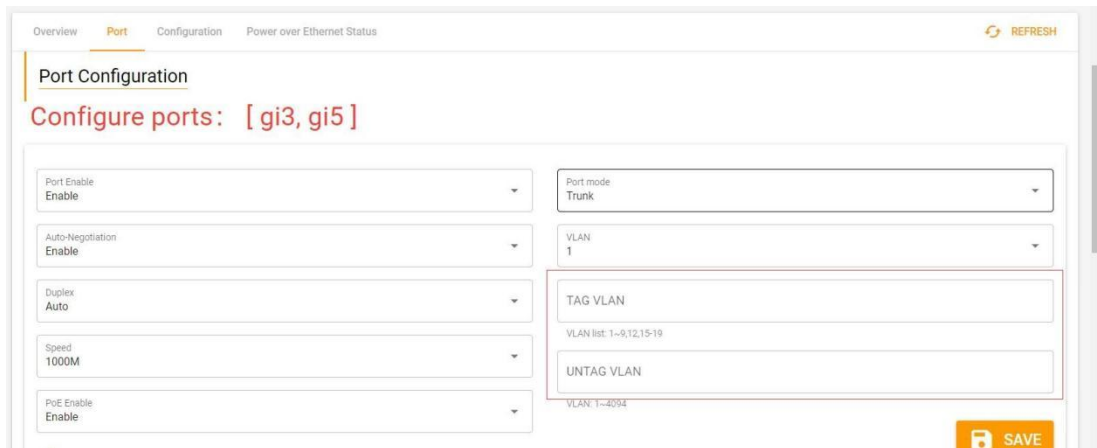
Step 2 Select the port (multiple selection or single selection)

Step 3 Select the port mode

Step 4 Choose to add the port to the VLAN

Step 5 Click Save





Note: The port mode is Trunk, Hybrid mode, you need to manually fill in the TAG VLAN ID or UNTAG VLAN ID that can pass.

How to open and close ports?

Step 1 Click the SN of the switch to enter the switch details interface Step 2 Click on port

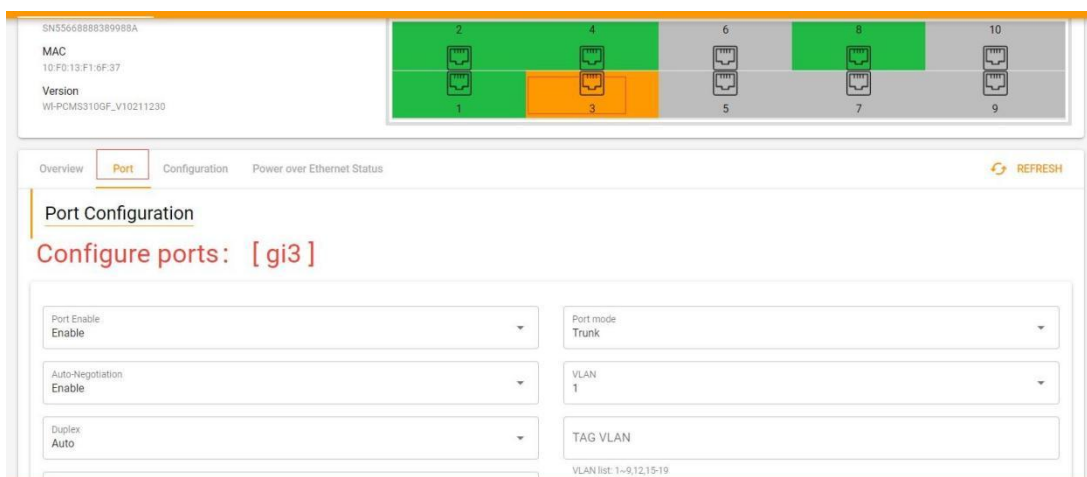
Step 3 Select the port to close

Step 4 Click Port Enable and select Disable(Turn on select Enable)

Step 5 Click Save

+ ADD DEVICE DELETE DEVICE RESET FACTORY REBOOT UPGRADE Serial number, hostname 🔍 REFRESH									
<input type="checkbox"/>	Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
<input type="checkbox"/>	Online	SN5566888389988A	WI-PCMS310GF	1F	WI-PCMS310GF_V10211230	2022-05-04 10:07:46	10:F0:13:F1:6F:37	192.168.20.107	
<input type="checkbox"/>	Online	SN111222333444555	WI-CGS5026	3F	WI-CGS5026_V10211230	2022-05-04 10:08:06	10:F0:13:F1:7A:AE	192.168.20.102	
<input type="checkbox"/>	Online	SN222333444555666	WI-CGS5018	4F	WI-CGS5018_V10211230	2022-05-04 10:10:56	10:F0:13:F1:7A:AF	192.168.20.101	

Records per page: 10 1-3 of 3



How to open and close PoE ports?

Step 1 Click the SN of the switch to enter the switch details interface

Step 2 Click on Port

Step 3 Select the port to close

Step 4 Click PoE Enable and select Disable(Turn on select Enable)

Step 5 Click Save

<input type="checkbox"/>	Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
<input type="checkbox"/>	Online	SN5568888389988A	WI-PCMS310GF	1F	WI-PCMS310GF_V10211230	2022-05-04 10:07:46	10:F0:13:F1:6F:37	192.168.20.107	
<input type="checkbox"/>	Online	SN111222333444555	WI-CGS5026	3F	WI-CGS5026_V10211230	2022-05-04 10:08:06	10:F0:13:F1:7A:AE	192.168.20.102	
<input type="checkbox"/>	Online	SN222333444555666	WI-CGS5018	4F	WI-CGS5018_V10211230	2022-05-04 10:10:56	10:F0:13:F1:7A:AF	192.168.20.101	

Records per page: 10 1-3 of 3

Serial number
SN5568888389988A

MAC
10:F0:13:F1:6F:37

Version
WI-PCMS310GF_V10211230



Overview **Port** Configuration Power over Ethernet Status

REFRESH

Port Configuration

Configure ports: [gi3]

Configure ports: [gi3]

Port Enable Disable	Port mode Trunk
Auto-Negotiation Enable	VLAN 1
Duplex Auto	TAG VLAN
Speed 1000M	VLAN list: 1-9,12,15-19
PoE Enable Enable	UNTAG VLAN
Enable	VLAN: 1-4094
Disable	

SAVE

How to make the port restart automatically?

Step 1 Click the SN of the switch to enter the switch details interface

Step 2 Click on Port

Step 3 Select the port to close

Step 4 Click Advanced

Step 5 Select and fill in the threshold according to your needs

Step 6 Click Save

The screenshot displays a network management interface. At the top, there are buttons for '+ ADD DEVICE', 'DELETE DEVICE', 'RESET FACTORY', 'REBOOT', and 'UPGRADE'. A search bar contains 'Serial number, hostname' and a 'REFRESH' button. Below this is a table of switches:

<input type="checkbox"/>	Status	Serial number	Model	Hostname	Version	Last update	MAC	WAN IP	Notes
<input type="checkbox"/>	Online	SN55668888399988A	WI-PCMS310GF	1F	WI-PCMS310GF_V10211230	2022-05-04 10:07:46	10:F0:13:F1:6F:37	192.168.20.107	
<input type="checkbox"/>	Online	SN111222333444555	WI-CGS5026	3F	WI-CGS5026_V10211230	2022-05-04 10:08:06	10:F0:13:F1:7A:AE	192.168.20.102	
<input type="checkbox"/>	Online	SN222333444555666	WI-CGS5018	4F	WI-CGS5018_V10211230	2022-05-04 10:10:56	10:F0:13:F1:7A:AF	192.168.20.101	

Records per page: 10 1-3 of 3

Below the table, the 'Serial number' field is highlighted with a red box. The switch details for SN55668888399988A are shown, including MAC (10:F0:13:F1:6F:37) and Version (WI-PCMS310GF_V10211230). A port diagram shows ports 1-10, with port 3 highlighted in orange and a red box around it.

The 'Port' configuration tab is active, showing 'Configure ports: [gi3]'. The configuration form includes:

- Port Enable: Enable
- Auto-Negotiation: Enable
- Duplex: Auto
- Speed: 1000M
- PoE Enable: Enable
- Port mode: Trunk
- VLAN: 1
- TAG VLAN: (empty)
- UNTAG VLAN: 1
- VLAN: 1-4094

A 'SAVE' button is located at the bottom right. The 'Advanced' tab is selected at the bottom left.

POE Enable
Enable

VLAN: 1--4094

SAVE

Advanced ^

Port Description

Port Description

Flow monitor
Lower

Threshold
100

10~1000000 Kbps

Interval
10

1~120

Action
Reset

Port Description: A description of the port (such as linking an IP camera, describe the 1F IP camera)

Flow monitor: You can choose Disable, Lower, Upper; Disable closes this function, Lower is less than the flow, Upper is more than the flow

Threshold: flow size threshold

Interval: Monitoring interval time (in seconds)

Action: You can choose Report, Reset, Shutdown. (Report is to notify the user by email when the port is abnormal, Reset is to restart the port, and Shutdown is to close the port directly. To open it, you need to open it manually.)

1.4 Terminal

1.4.1 IP camera

Smart Device can view all ONVIF protocol smart terminal devices in the LAN.

Steps to enter the Smart Device interface: Click MONITORING > Device > Smart Device

Smart Device				
Hostname	Model	IP	MAC	Tunnel
Dahua IPC-HFW4433F-ZSA	IPC-HFW4433F-ZSA	192.168.20.201	38:AF:29:DD:D4:CF	EWEB
HIKVISION DS-2CD3T45-I3	DS-2CD3T45-I3	192.168.20.202	A4:14:37:D6:95:74	EWEB

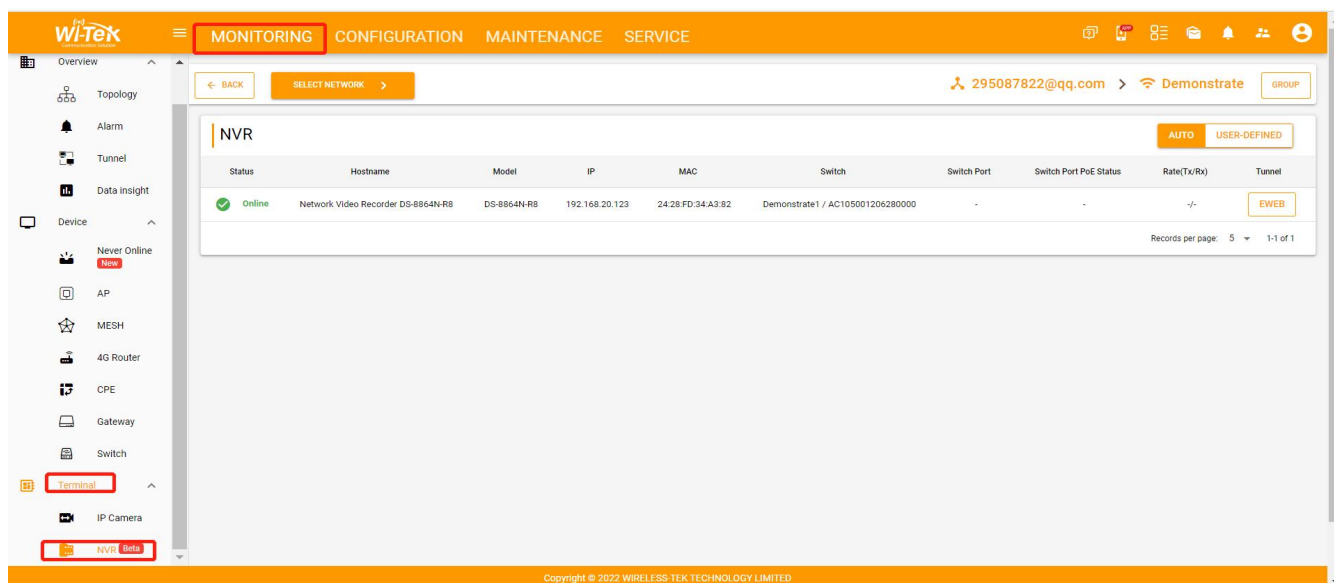
1.4.2 NVR

Scenario requirements

Let the VNR display on the network topology to facilitate later troubleshooting, and to see if the NVR is online. NVR identification is divided into automatic identification and manual addition. When the NVR device cannot be automatically identified, it needs to be added manually.

Configuration steps

1. Steps to enter the NVR interface: Click CONFIGURATION >> Terminal>>NVR



The following describes the functions on this screen:

Status: Current online and offline status of NVR

Host name: NVR device name

Mode: The device model of the MVR

MAC: MAC address of NVR

Switch: If it is directly connected to the switch, the SN of the switch will be displayed here

Switch Port: Connect to the port number on the switch

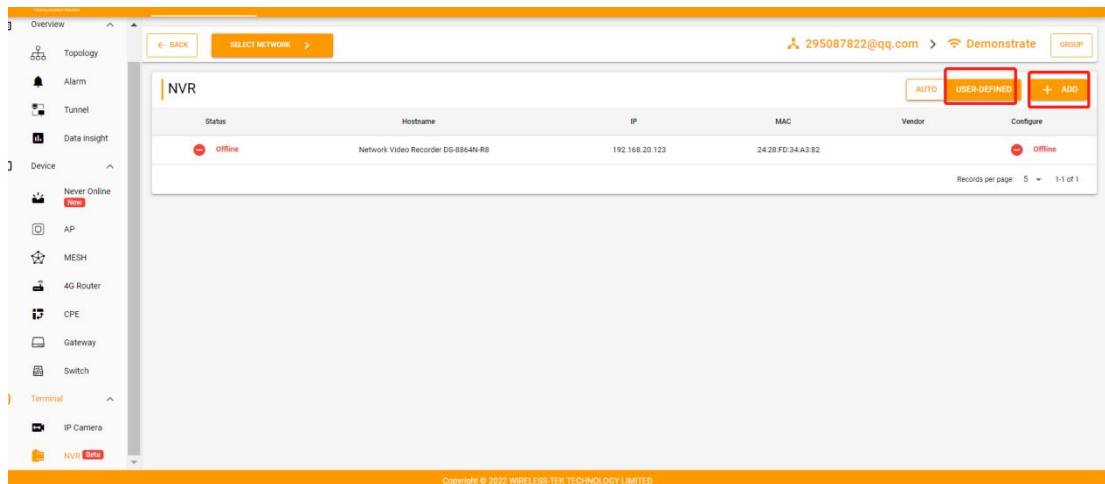
Switch Port POE Status: connected to the switch POE status

Rate(Tx/Rx): Data transmission traffic

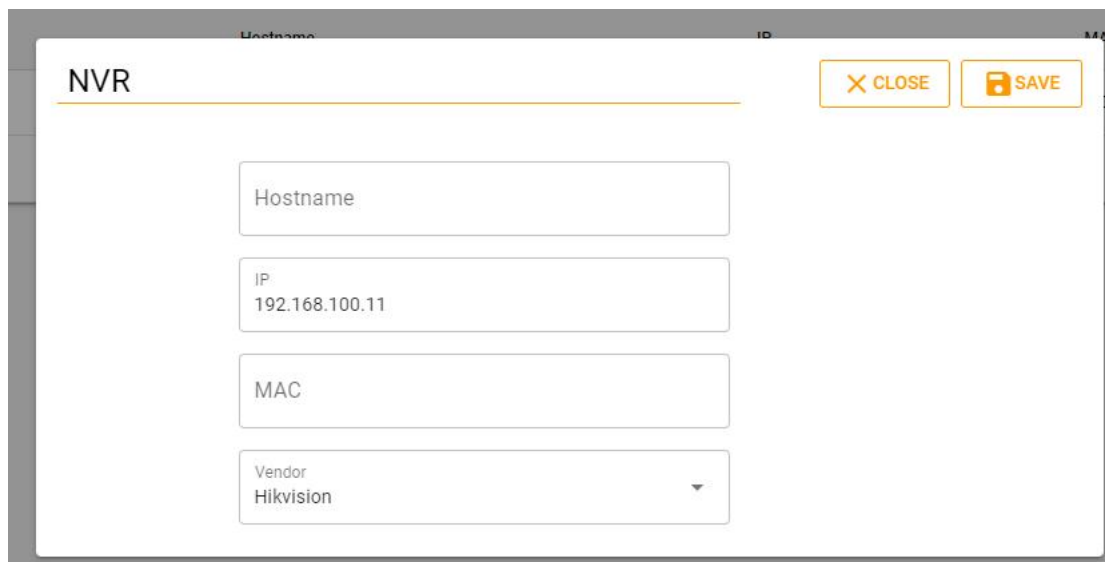
Tunnel: EWEB accesses NVR remotely

2.USER-DEFINED configuration.

Click the USER-DEFINED button > ADD



3.Fill in the device name, IP address, MAC, Vendor and click save to complete the configuration.



2.CONFIGURATION

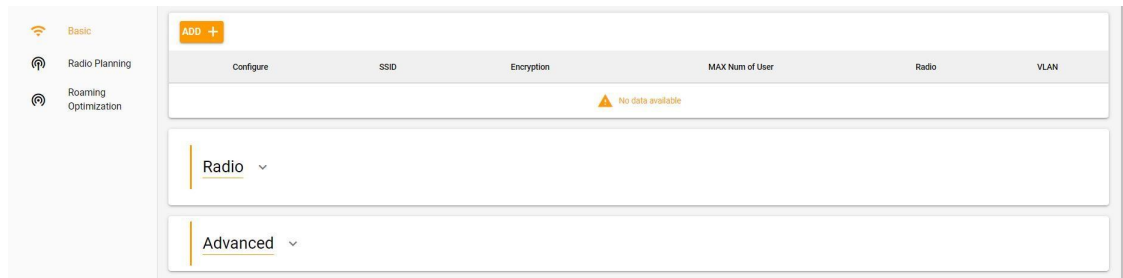
2.1 Wireless

2.1.1 Basic

Wireless Basic is to configure the basic functions of wireless such as SSID, radio frequency etc.

Note: Currently only valid for APs in cloud management mode

Steps to enter the Wireless Basic interface: Click CONFIGURATION > Wireless > Basic



The following describes the functions on this screen:

ADD+: is to configure the wireless SSID, password, and other basic configuration information.

Radio: Enable 2.4G, 5G signal and configure 5G signal priority. (The default is to enable 2.4G and 5G signals)

Advanced: Configure the black and white list of wireless users.

Click on the ADD+ interface

test888

Encryption
WPA-PSK+WPA2-PSK

KEY
w88888888

MAX Num of User
32

VLAN BINDING
0

SSID ratelimit

Upload	KB/s	Download	KB/s
200		1000	

Radio

Radio-1 (2.4G) Radio-2 (5G)

Advanced Feature

Isolate Hidden Enable WMM GBK

Here is a description of what this screen does:

SSID: wireless name

Encryption: Select the wireless encryption method

Maximum number of users: the maximum number of user connections for a single AP. (If the set value is exceeded, the following users cannot connect to the AP)

VLAN BINDING: 0 means no binding, fill in the corresponding vlan ID if binding is required

SSID rate limit: limit the total speed of users under this SSID.

CBK: Solve the problem that the old mobile phone cannot display the correct SSID name usually.

Radio-1 (2.4G): Select to indicate that the wireless configuration is applied to the 2.4G wireless signal

Radio-2 (5G): Select to indicate that this radio configuration is applied to the 5G radio signal

Isolate: Users cannot access each other.

Hidden: Select to indicate that the wireless SSID is not broadcast, and the SSID name is hidden.

Enable WMM: wireless protocol, keep the default

Radio

The screenshot displays the 'Radio' configuration page with two panels: 'Radio 1 - 2.4G' and 'Radio 2 - 5G'. Both panels have an 'Enabled' toggle switch currently turned off (gray). The 'RTS/CTS Threshold' is set to 2347 in both. The 'Radio 2 - 5G' panel has additional settings: '5G priority' (checked), 'U-APSD' (unchecked), 'FILS Support' (checked), and '802.11 k/v/r Roaming' (checked). Each panel has a 'SAVE' button at the bottom.

The following describes the functions on this screen:

Enabled: Enable is disable the signal. (Blue is on and gray is off)

RTS Threshold: (generally keep the default and do not need to be changed)

5G First: Select the 5G signal will take priority when the 2.4G and 5G signal SSIDs are the same.

U-APSD: It is part of the 802.11e Standard and is related to power saving. To make it simple, if a network card doesn't have to transmit anything, it will go in standby mode.

FILS Support: is the 802.11 files wireless protocol, keep the default

802.11kvr Roaming: select wireless user roaming will switch quickly

Advanced

STA allow/deny List

Control wireless client access network(allow or deny configured sta list).

SSID: TEST888

List Type: Allow List Deny List

[+ ADD MAC](#)

MAC	Remarks	Configure
⚠ No data available		

AP LED timer

AP LED timer Enable

AP Radio timer

AP Radio timer Enable

The following describes the functions on this screen:

Allow List: Except that the device with the added MAC address can connect to the wireless SSID, other devices cannot connect.

Deny List: Except that the device with the added MAC address cannot connect to the wireless SSID, all other devices can connect.

+ADD MAC: Add MAC address.

AP LED timer: Only support specific models of APs

AP Radio timer: Turn off WiFi signal

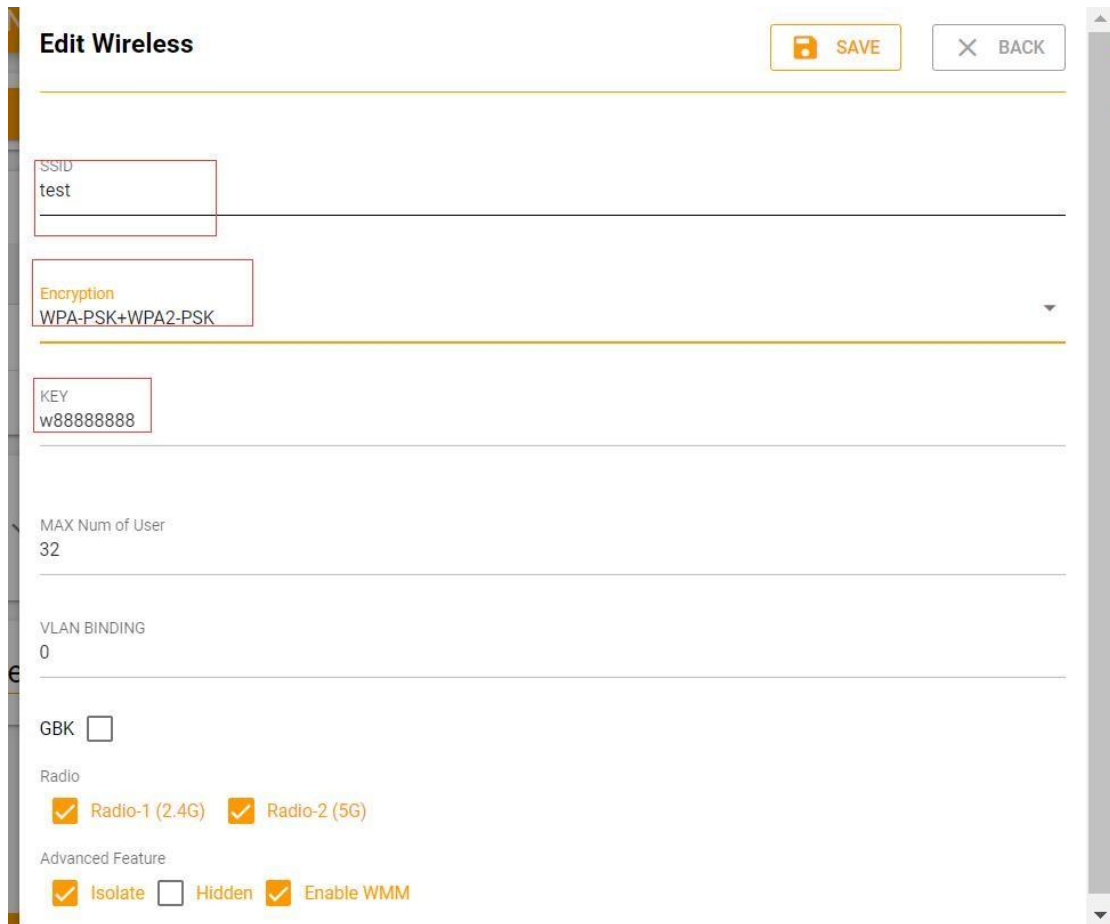
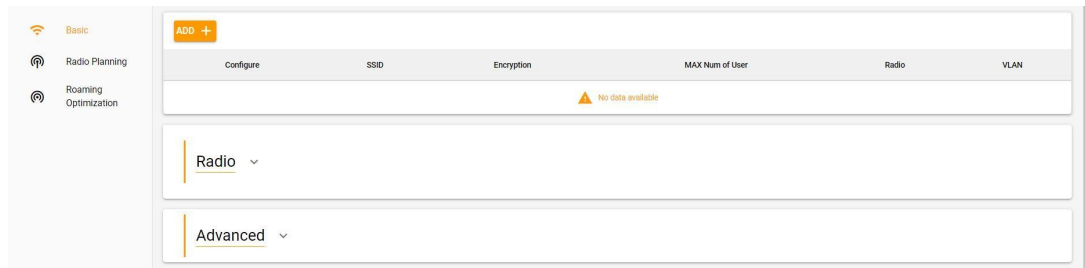
How to configure wireless SSID?

Step 1 Click CONFIGURATION > Wireless>Basic

Step 2 Click ADD +

Step 3 Fill in the SSID name and encryption method and set the password, etc. (there are no special cases, other options remain default)

Step 4 Click Save



How to set up wireless whitelist?

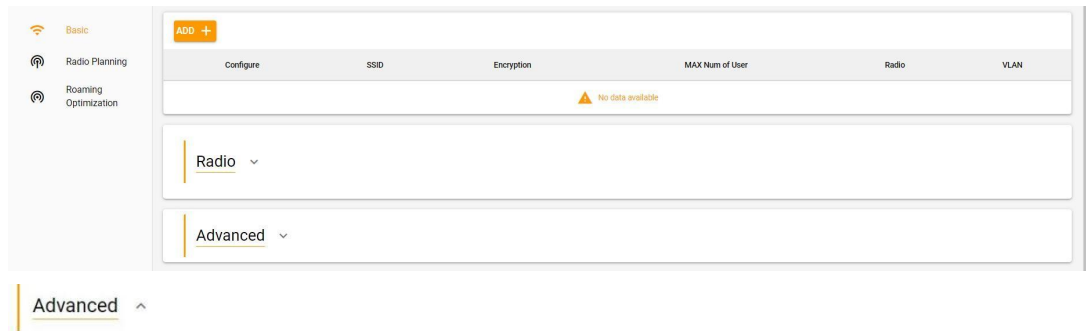
Step 1 Click CONFIGURATION > Wireless > Basic > Advanced Step 2 Select Allow List

Step 3 Select SSID name

Step 4 Click + ADD MAC to add the user MAC address that can connect to the SSID

wireless name

Step 5 Click Save



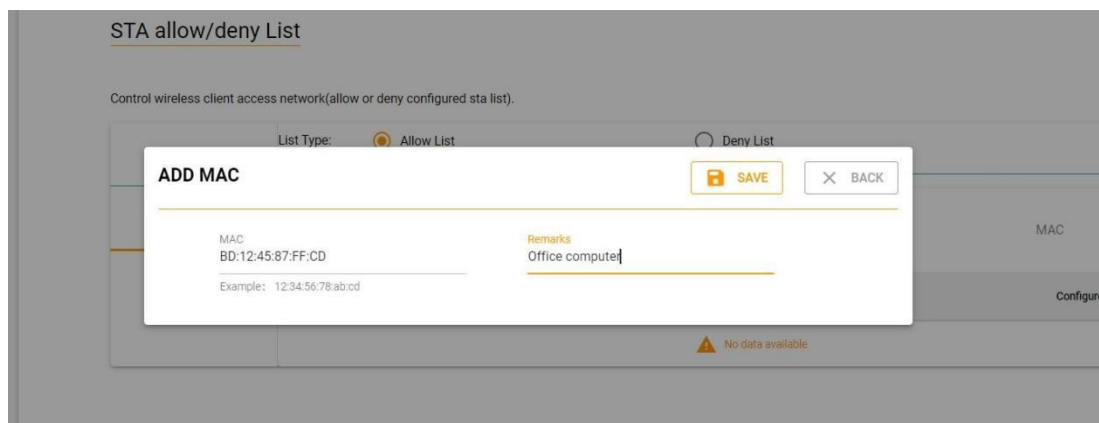
STA allow/deny List

Control wireless client access network(allow or deny configured sta list).

List Type: Allow List Deny List

SSID	TEST	+	ADD MAC	MAC	Q	
		<input type="checkbox"/>		MAC	Remarks	Configure

No data available



Note: To configure the blacklist, you only need to set the blacklist in the options and the other steps are the same.

2.1.2 Layout

1. Scenario requirements

It can only be used for after-sales heat maps, not for pre-sales rehearsal of WIFI signal coverage.

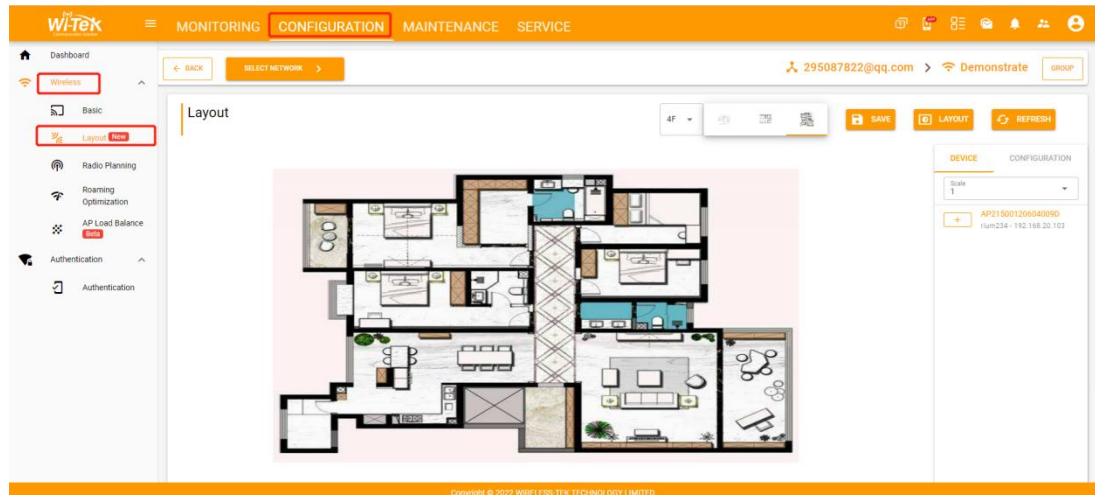
It is generally used to upload CAD drawings after WIFI equipment is installed, and put the real AP into the corresponding position, which is convenient for later maintenance to check the specific installation position of the equipment.

Then it is convenient to check the WIFI coverage of the project and the operating status of the device.

It is convenient to adjust the wireless S radio frequency information between adjacent APs

2. Configuration steps

2.1 Steps to enter the Layout interface: Click CONFIGURATION >> Wireless>>Layout



The following describes the functions on this screen:

SAVE: Download the picture of the device placed

LAYOUT: Upload a floor plan

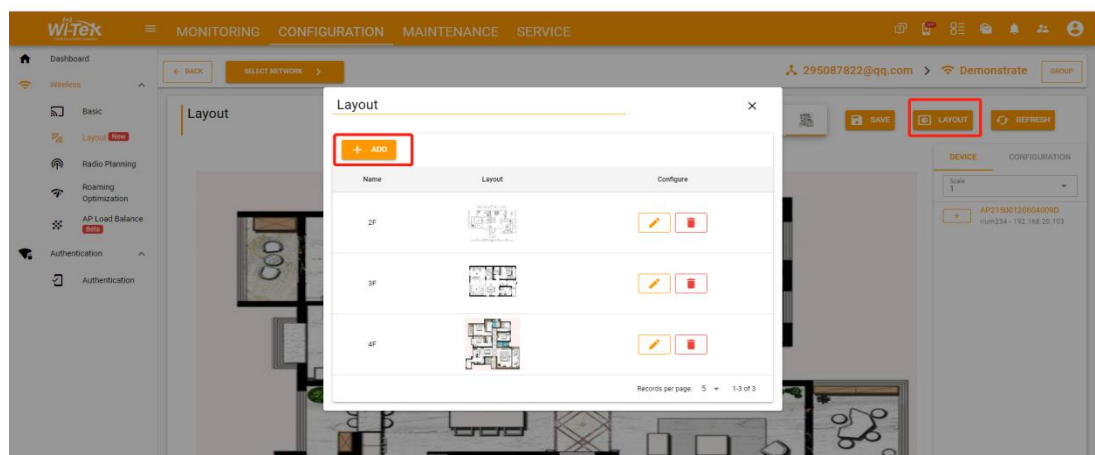
REFRESH: Refresh the interface

DEVICE: list of APs used in the project

CONFIGURATION: Set the RF information of the AP

2.2 Upload a Floor Plan Infographic

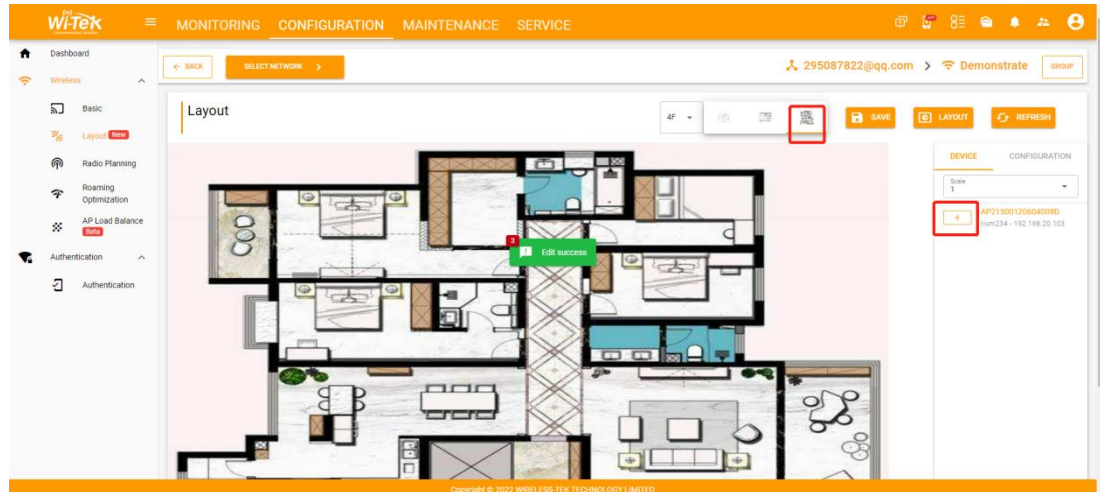
Click the LAYOUT button > ADD (Fill in the name of the infographic, click to upload the infographic, and save)



Step 1. Add wireless APs to the floor plan

Step 2. Select the corresponding floor plan

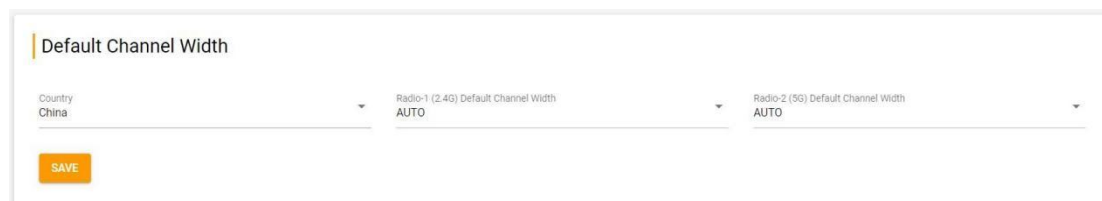
Step 3. Click the + sign in front of the AP to add the AP to the floor plan and then drag it to the correct position



2.1.3 Radio Planning

Radio Planning configures wireless bandwidth, transmit power, channel and wireless optimization, etc.

Steps to enter the Radio Planning interface: Click CONFIGURATION > Wireless > Radio Planning

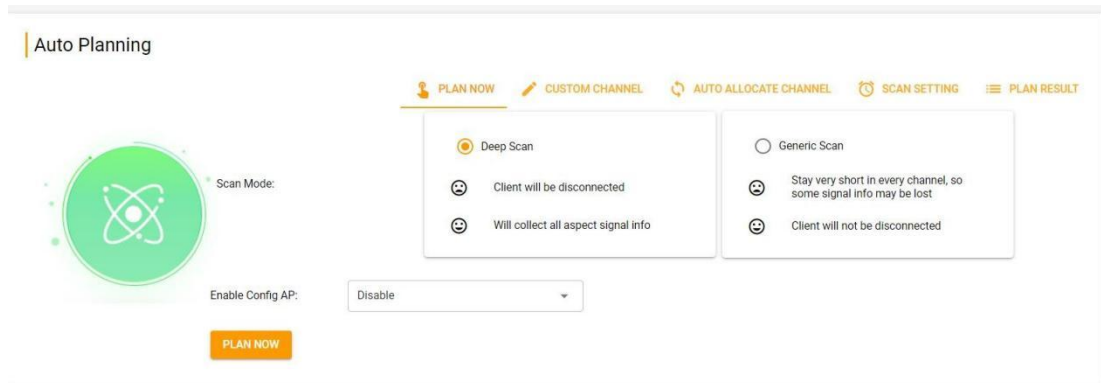


The following describes the functions on this screen:

country: It is related to the use of the wireless AP channel, please select the country where the AP is used.

Radio-1(2.4G) Default Channel Width: select 2.4G channel.

Radio-2(5G) Default Channel Width: Select the 5G channel.



The following describes the functions on this screen:

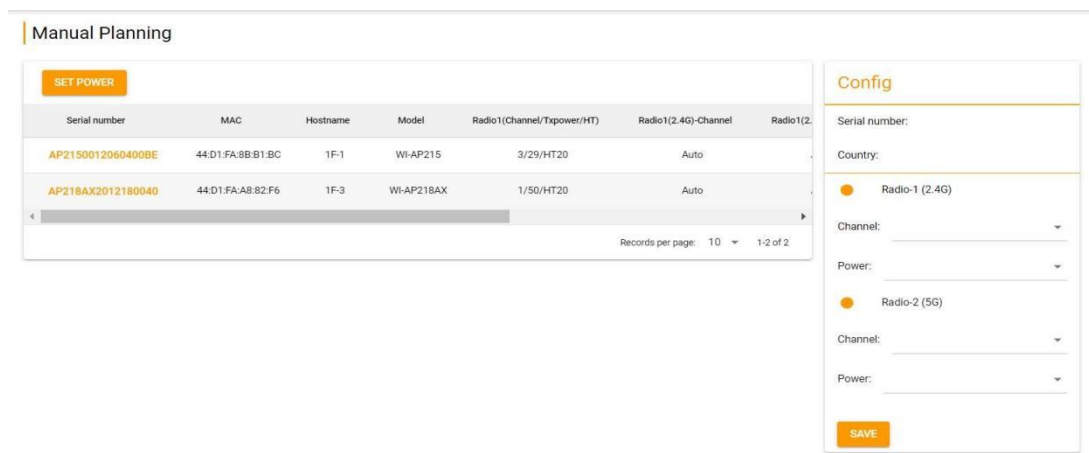
PLAN NOW: Select this option to make the plan take effect immediately.

CUSTOM CHANNEL: Select the required channel, and the selected channel will be used when planning.

AUTO ALLOCATE CHANNEL: When the option is turned on, the system will assign the channel by default

SCAN SETTING: The wireless AP can scan the schedule periodically.

PLAN RESULT: View planning results.



How to automatically plan wireless?

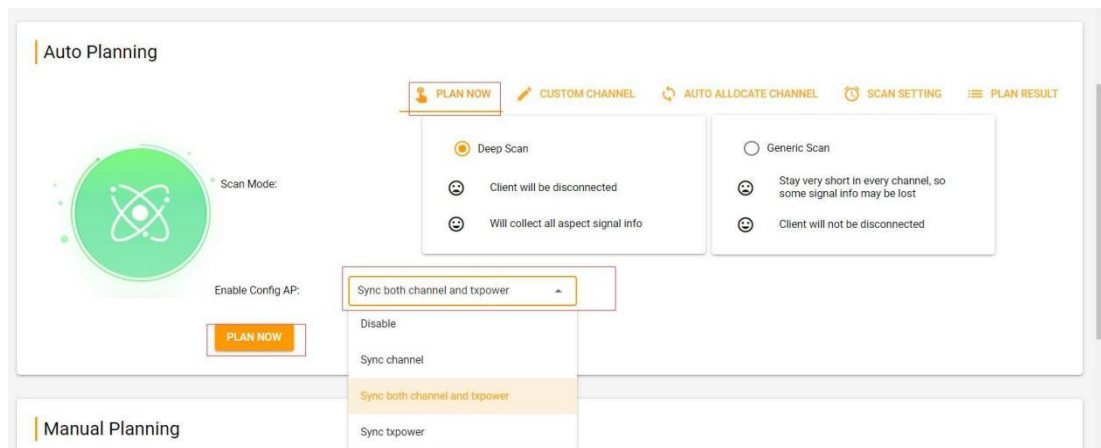
PLAN NOW

Step 1 Click CONFIGURATION > Wireless > Radio Planning

Step 2 Click PLAN NOW

Step 3 Select Enable Config AP (Sync both channel and tx power)

Step 4 Click PLAN Now



SCAN SETTING

Step 1 Click CONFIGURATION > Wireless > Radio Planning

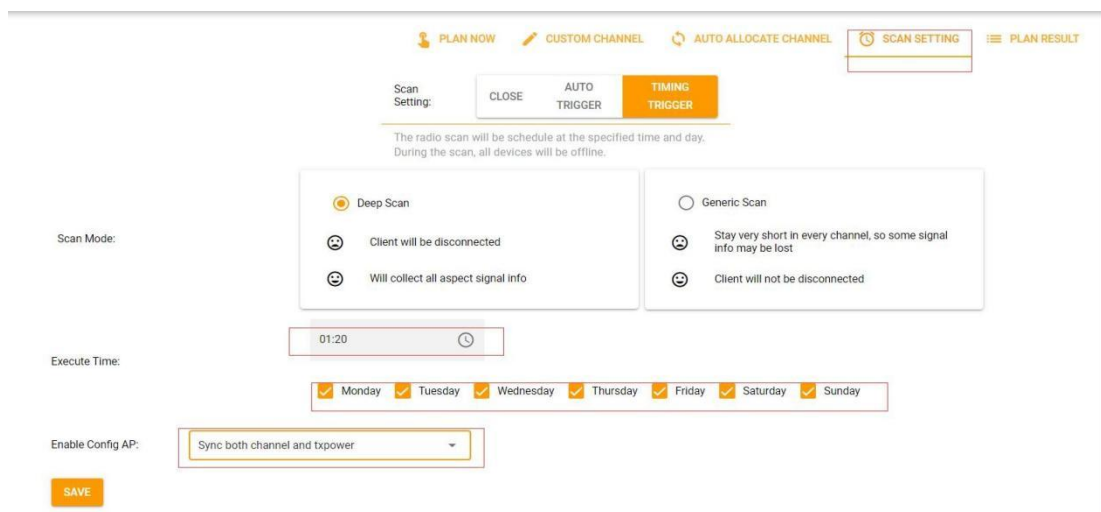
Step 2 Click SCAN SETTING

Step 3 Click TIMING TRIGGER

Step 4 Click the clock icon to adjust the time and select the day of the week to execute.

Step 5 Select Enable Config AP (Sync both channel and tx power)

Step 6 Click Save



How to Manually Configure Wireless Power and Channels?

Step 1 Click CONFIGURATION > Wireless > Radio Planning

Step 2 Click the SN of the device to select the device.

Step 3 Fill in the 2.4G channel and power, 5G channel and power that you need to set in the config box on the right.

Step 4 Click Save

Manual Planning

SET POWER

Serial number	MAC	Hostname	Model	Radio1(Channel/Txpower/HT)	Radio1(2.4G)-Channel	Radio1(2.4G)-Power
AP2150012060400BE	44-D1-FA-8B-B1-BC	1F-1	WI-AP215	3/29/HT20	Auto	Auto
AP218AX2012180040	44-D1-FA-A8-82-F6	1F-3	WI-AP218AX	1/50/HT20	Auto	Auto

Records per page: 10 1-2 of 2

Config

Serial number: AP2150012060400BE

Country: CN

Radio-1 (2.4G)

Channel: Auto

Power: Auto

Radio-2 (5G)

Channel: Auto

Power: Auto

SAVE

2.1.4 Roaming Optimization

Roaming Optimization, you can choose wireless roaming settings by AP type or project type area.

Steps to enter the Roaming Optimization interface: Click CONFIGURATION > Wireless

Roaming Optimization Configuration

Optimization: Enable

Category: Guesthouse **SELECT**

AP Grouping Mode: Region Type

Guest room	0 AP
Dining room	1 AP

SAVE

One AP cover one room

One AP cover many rooms

The following describes the functions on this screen:

SELECT: Click SELECT to select the item type

AP Grouping Mode: switch by AP type or area

How to Set Up Wireless Roaming?

Step 1 Click CONFIGURATION > Wireless > Roaming Optimization.

Step 2 Enable the Optimization function.

Step 3 Click SELECT to select the type, and then click CONFIRM.

Step 4 Select AP Grouping Mode.

Step 5 Click the AP behind the area to add the AP to the area.

Step 6 Drag the picture on the right to adjust the appropriate position of the AP power.

Step 7 Click Save

Roaming Optimization Configuration

Optimization: Enable

Category: Guesthouse **SELECT**

AP Grouping Mode: Region Type

Guest room	1 AP
Dining room	1 AP

SAVE

One AP cover one room

One AP cover many rooms

Roaming Optimization Configuration

Optimization:

Category:

AP Grouping Mode:

Guest room

Dining room

Select Category

- House
- Warehouse
- Office
- Guesthouse

CONFIRM

SAVE



2.1.5 AP Load Balance

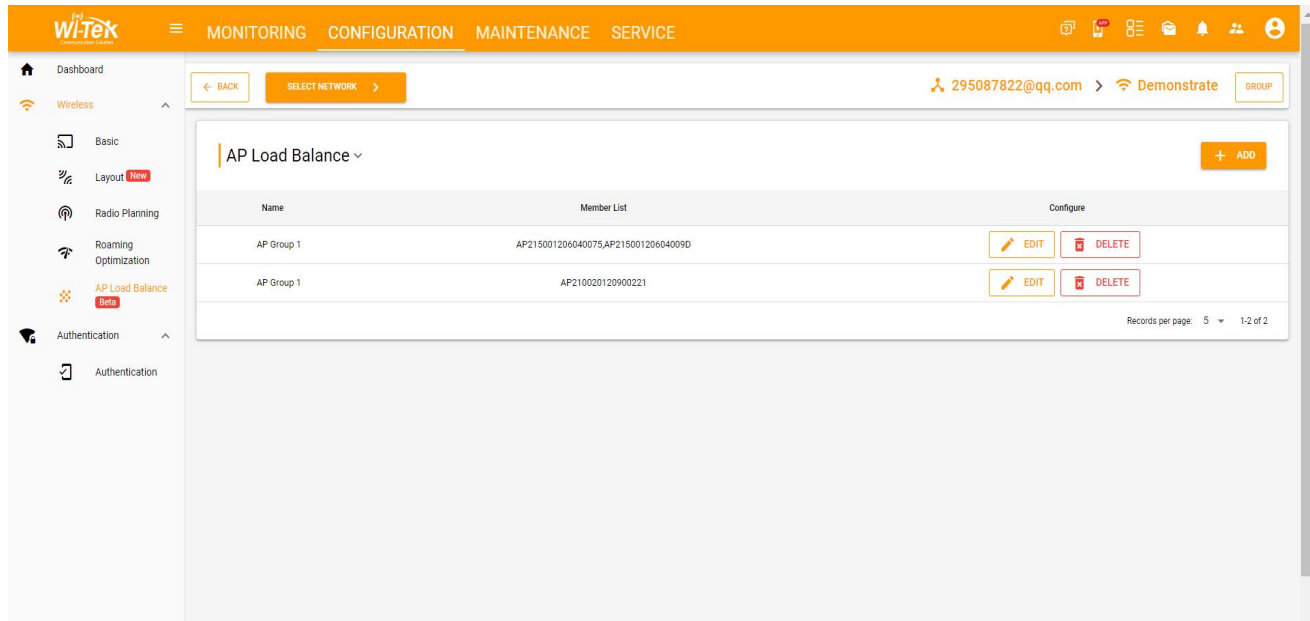
Scenario requirements

Wireless load balancing ensures that clients are evenly distributed across all APs, using network resources efficiently. Load balancing is achieved by assigning all APs in the same area to the same load balancing group to control access by wireless clients. For example, there are 15 clients associated with AP1 and 10 clients associated with AP2. The currently configured threshold is 3, and the client difference between the two APs is 5, which is greater than the threshold. Therefore, subsequent wireless clients will associate with AP2.

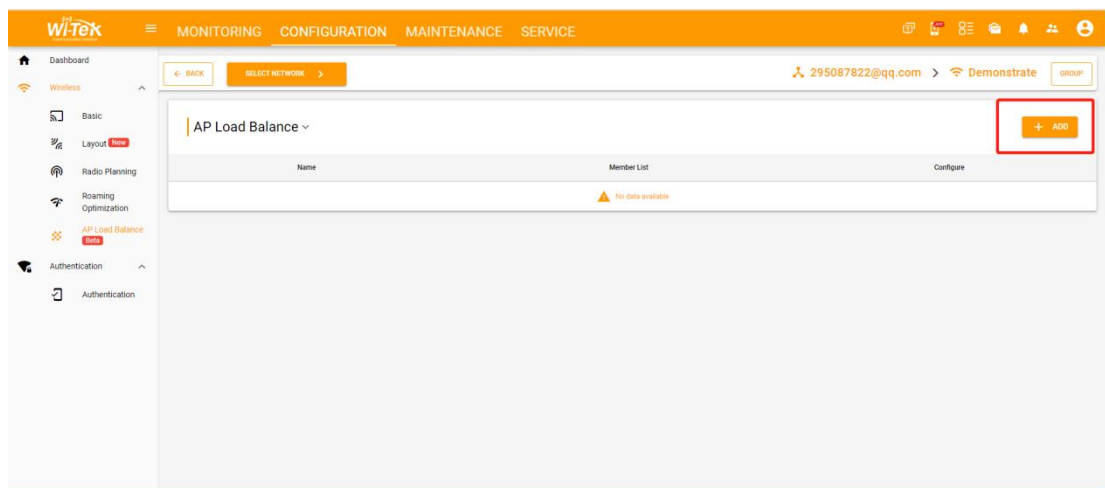
Configuration steps

1. Steps to enter the AP Load Balance interface: Click CONFIGURATION >>

Wireless>>AP Load Balance



2. Click the ADD button to create an AP load balancing group.



3. Configure load balancing group parameters, including balancing group name, policy rules, and AP members in the group. After the configuration is complete, click <Save>.

Balance according to the number of associated users: When the number of users of an AP in the group reaches n , and the maximum difference between the number of users associated with other APs in the group reaches m , load balancing is performed.

associates with an AP and is rejected for p times, the user is allowed to associate again.

AP Load Balance X CLOSE SAVE

Name: AP Group 1 Balance threshold: 5

Differ threshold: 3 Max Association Retries: 10

Balance Rule: When an AP had associated with 5 clients and the count difference between current AP and other AP in group reach 3, clients should associate with the lighter load AP. If a client had request for association exceed 10 times, the association should be allowed.

Search

<input checked="" type="checkbox"/>	Serial number	Name	Model	Version	Hostname
<input checked="" type="checkbox"/>	AP215001206040075	-	Wi-AP215	v4.3.buil420220919-2031-687-6958	rum11122
<input checked="" type="checkbox"/>	AP215001206040090	-	Wi-AP215	v4.3.buil420220919-2031-687-6958	rum234
<input checked="" type="checkbox"/>	AP217001209020298	-	Wi-AP217	v4.3.buil420220919-1922-687-6958	Wi-TEI-AP

3 records selected. Records per page: 5 1-3 of 3

2.2 Authentication

Portal

On the Portal page, you can edit the portal template, which can display different images.

You can also choose different authentication methods.

Steps to enter the Authentication interface:

Click CONFIGURATION > Wireless > Authentication

After the Authentication function is turned on, there will be two Service Zone options, divided into interface-based authentication and SSID-based authentication

SSID based authentication

The SSID that requires authentication is added, and the SSID that does not require authentication does not need to be filled in.

Service Zone

Service Zone SSID + ADD

SSID-based service areas should only be used by bypass AC

Note: SSID-based authentication is only applicable when the AC is in the bypass mode to manage the AP, and cannot be used when the AC is in the router mode.

port-based authentication

If the LAN port needs to be authenticated, select the port. If the port is not selected, the user under the port does not need to be authenticated.

Authentication Enable

Service Zone

Service Zone Interface

Interface lan lan4 lan4_100 lan4_101

Interface is required

Notice: Port-based authentication is used when the AC is in router management mode. If the AC is in bypass mode, port-based authentication cannot be used.

There are 5 authentication methods, **namely Local User Auth; Voucher Auth; unique password; Phone Auth;**

Local User Auth:

You need to manually create a local account. The account can be permanent or time-controlled, such as 1 day, 10 days, etc.

Local User Auth Enable

Voucher Auth Disable

Phone Auth Disable

One-Key Auth Disable

Account

Account user001

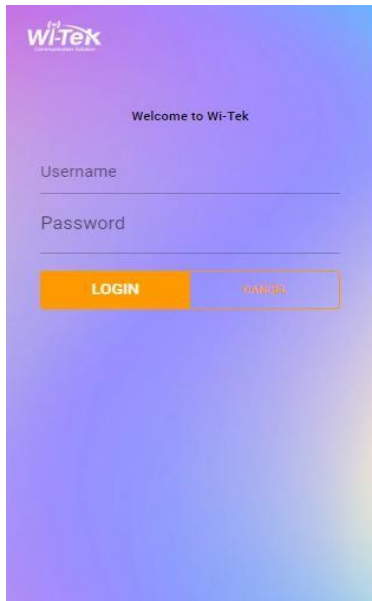
Password user001pass

Due time 2022-09-04T17:43

Permanent

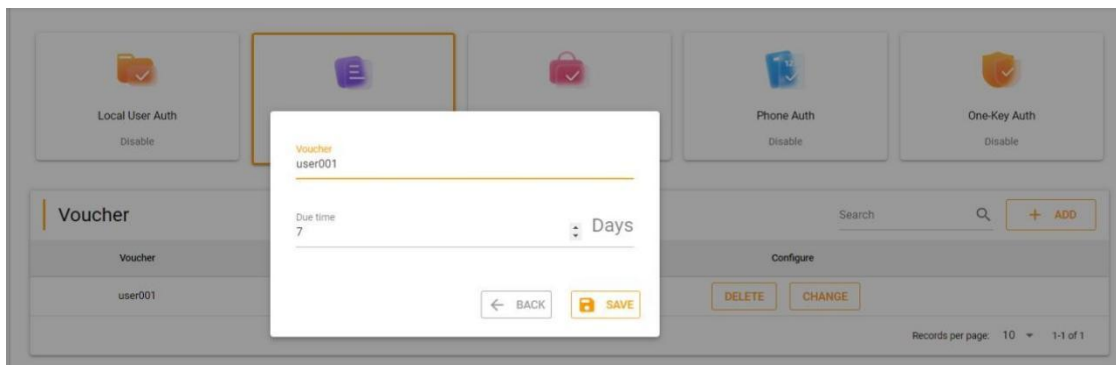
BACK SAVE

The page for One-click Login:

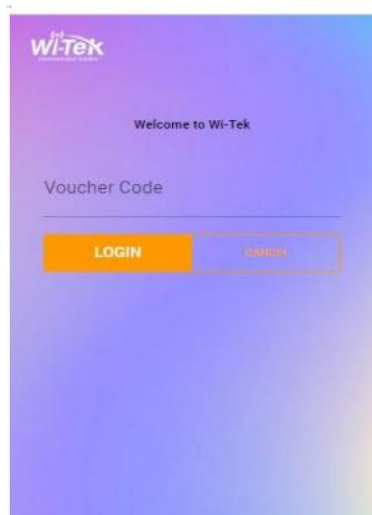


Voucher Auth:

Voucher Auth, you need to manually add authentication credentials, the credentials can be written at will, and the written credentials are given to the customer, and the customer can directly access the Internet by entering the credentials.

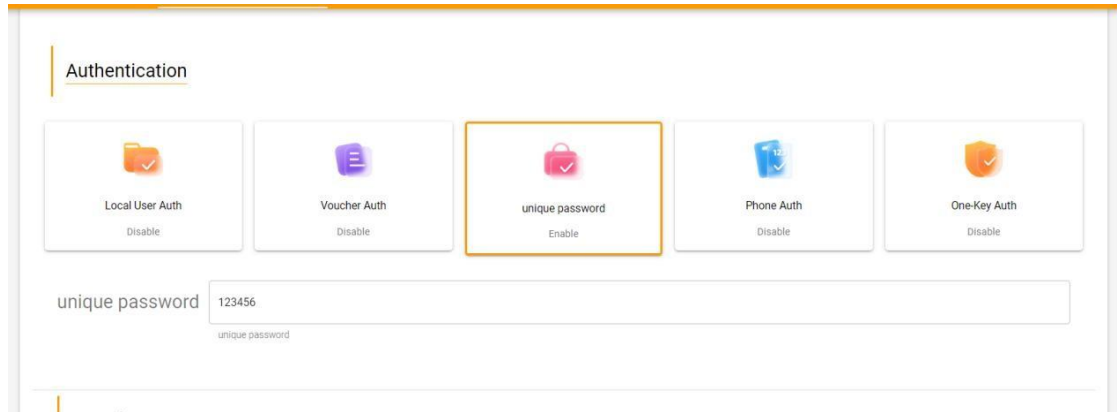


The page for One-click Login:

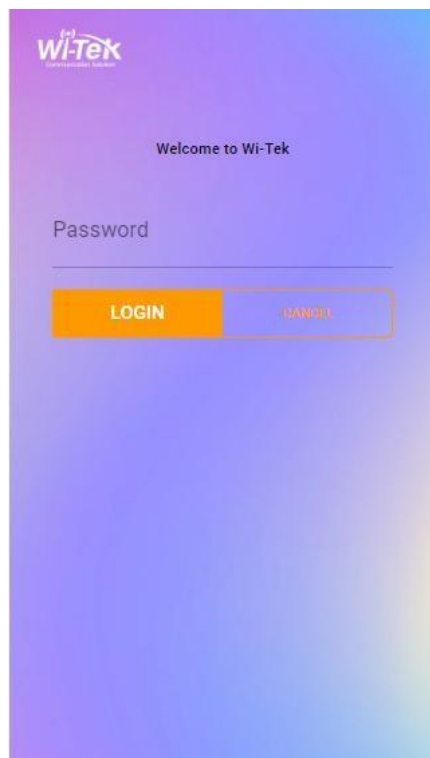


unique password

unique password, set a unified password, the user can directly access the Internet by entering this password

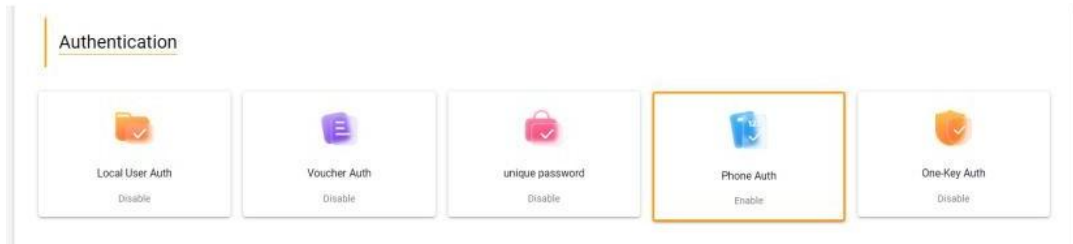


The page for One-click Login:

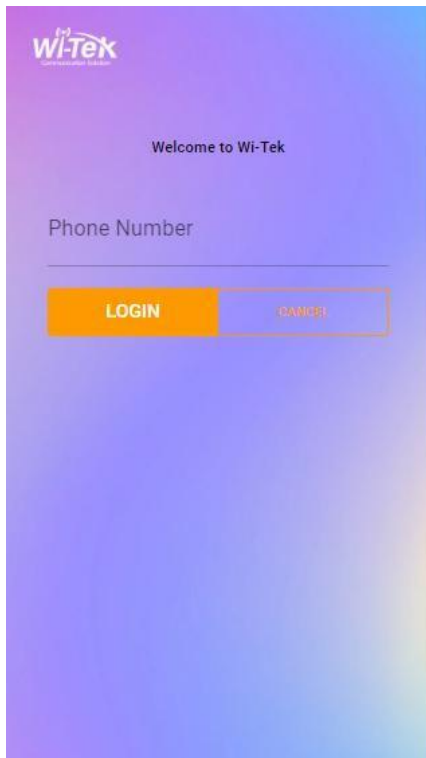


Phone Auth

Phone Auth , use phone number authentication, directly enter your mobile phone number for authentication

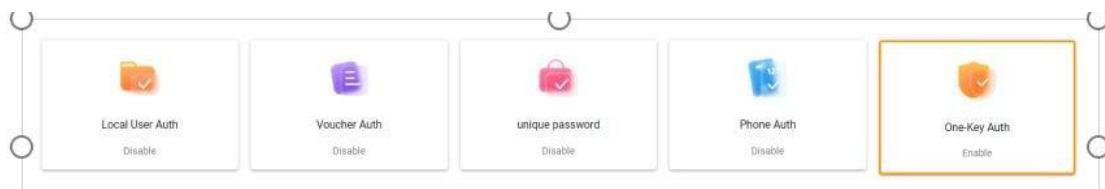


The page for One-click Login:

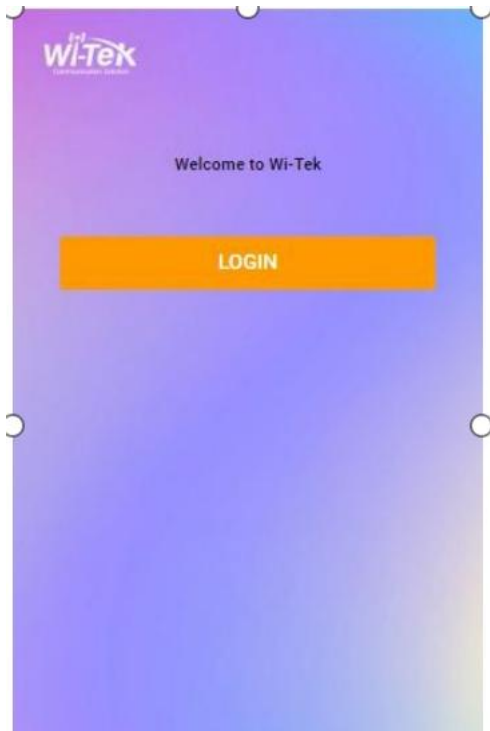


One-Key Auth

One-Key Auth, click one-key authentication, you can directly enter any password wirelessly on the Internet



The page for One-click Login:



Template:

On the Template page, you can choose to upload different display pictures, or you can write announcement text display and welcome words, etc.

The following describes the functions on this screen:

Template: Select Ac Web Portal as the authentication interface delivered by the local AC;

Select Cloud Web Portal as the authentication interface delivered by the cloud platform

Title: You can write some simple information such as the business name and other welcome words.

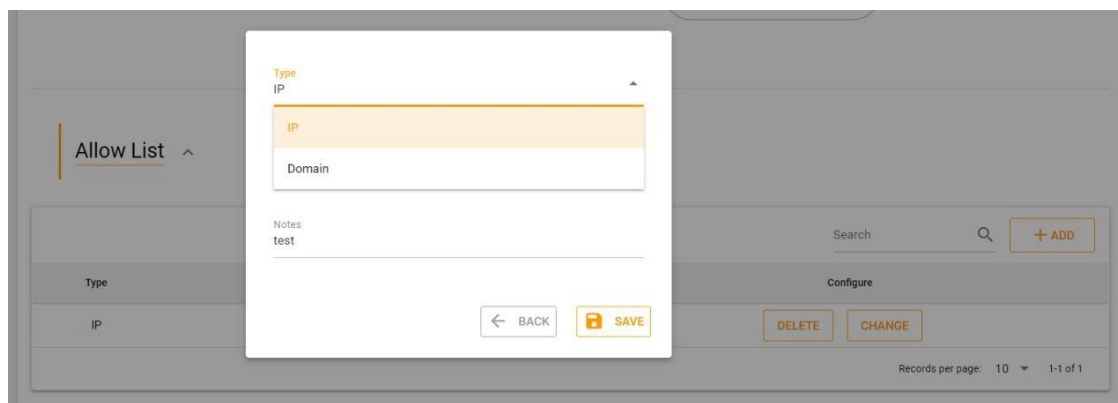
Announcement: You can write some announcements: such as shopping mall promotions, etc, and business brand introduction, corporate information introduction and other slightly longer information terms.

Background: You can upload your favorite picture as the authentication background (pay attention to the size of the picture)

Redirect URL: After the authentication is successful, you can jump to the website interface, you can set your own company official website, or the website you want users to view.

Allow List

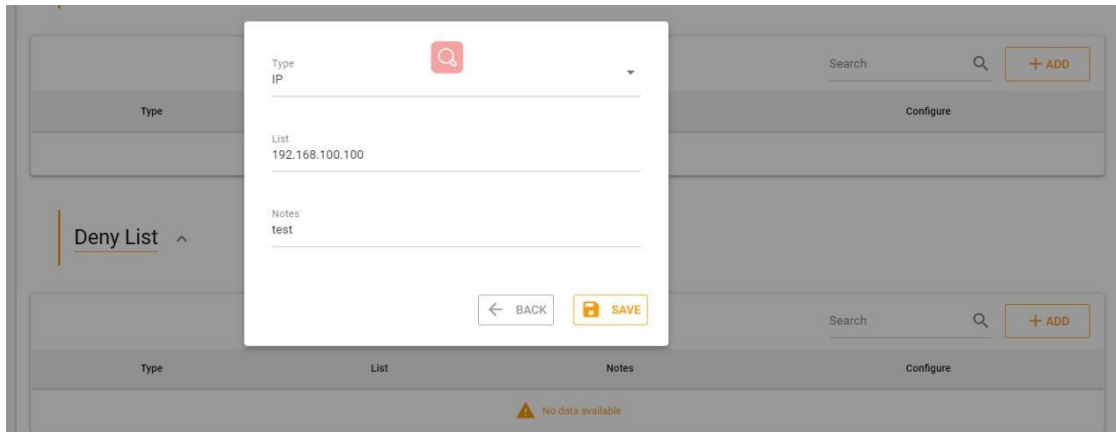
The main function of the whitelist is to allow some devices to access the Internet without authentication, or to allow some URLs to be accessed without authentication. You can fill in the IP addresses that do not require authentication into the whitelist, and enable authentication. These IPs can go directly to the Internet without authentication. Users who fill in the domain names in the whitelist but are not authenticated can also access these domains name URLs.



Deny List:

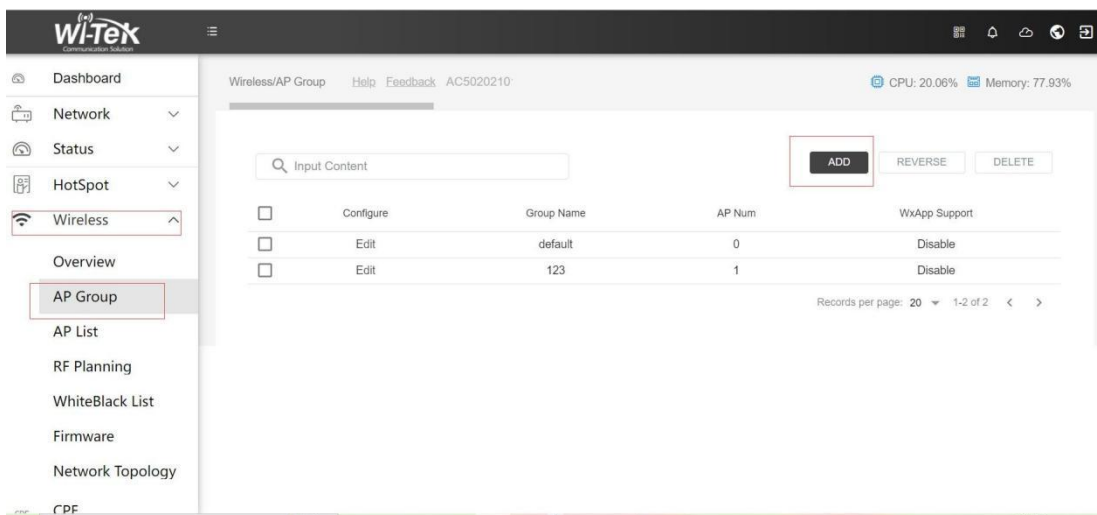
The main function of the blacklist is to prohibit users from surfing the Internet or to prohibit users from accessing domain names

You can fill in those IP addresses that are not allowed to access the Internet into the blacklist or the domain name URLs that are not allowed to be accessed, and users cannot access the Internet and access these URLs.

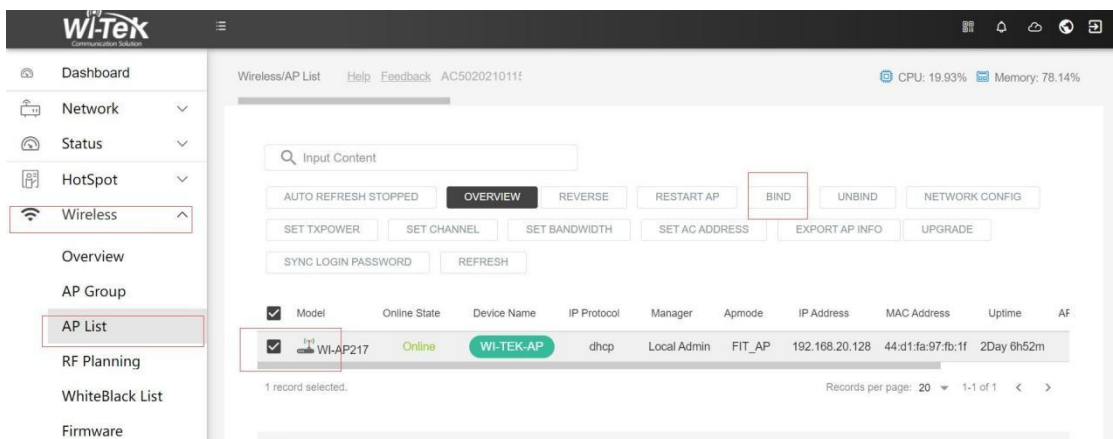


AC50 Configuration Case

Step 1 Set up wireless grouping in AC50 and set wireless SSID



Step 2 Bind the AP to the newly created group



Step 3. Cloud platform configuration The setting.

The steps are as follows:

Steps to enter the Authentication: Click CONFIGURATION > Authentication.

Step 4.Enable authentication

- 1.Select SSID authentication in the service zone, manually fill in the SSID to be authenticated, and click +ADD to add it.
- 2.In the Authentication option, select the authentication method you need
3. In the Template option, upload the certification pictures you need to display and some welcome words displayed on the certification interface.
4. If there are devices that you do not want to be certified or devices that do not require certification, please fill in the black and white list (white list is, no certification is required for release, black list is not allowed to be certified)
5. Click the SAVE button in the upper right corner

Authentication

Local User Auth Disable

Voucher Auth Disable

unique password Disable

Phone Auth Enable

One-Key Auth Disable

Template ^

Template Cloud Web Portal

Title Welcome to our office

Body Welcome to our office, at your service.

Background 0.00 / 0.20%

Image size like phone screen size: 750x1334, 1080x1920.

Redirect URL www.baidu.com

Allow List v

Deny List v

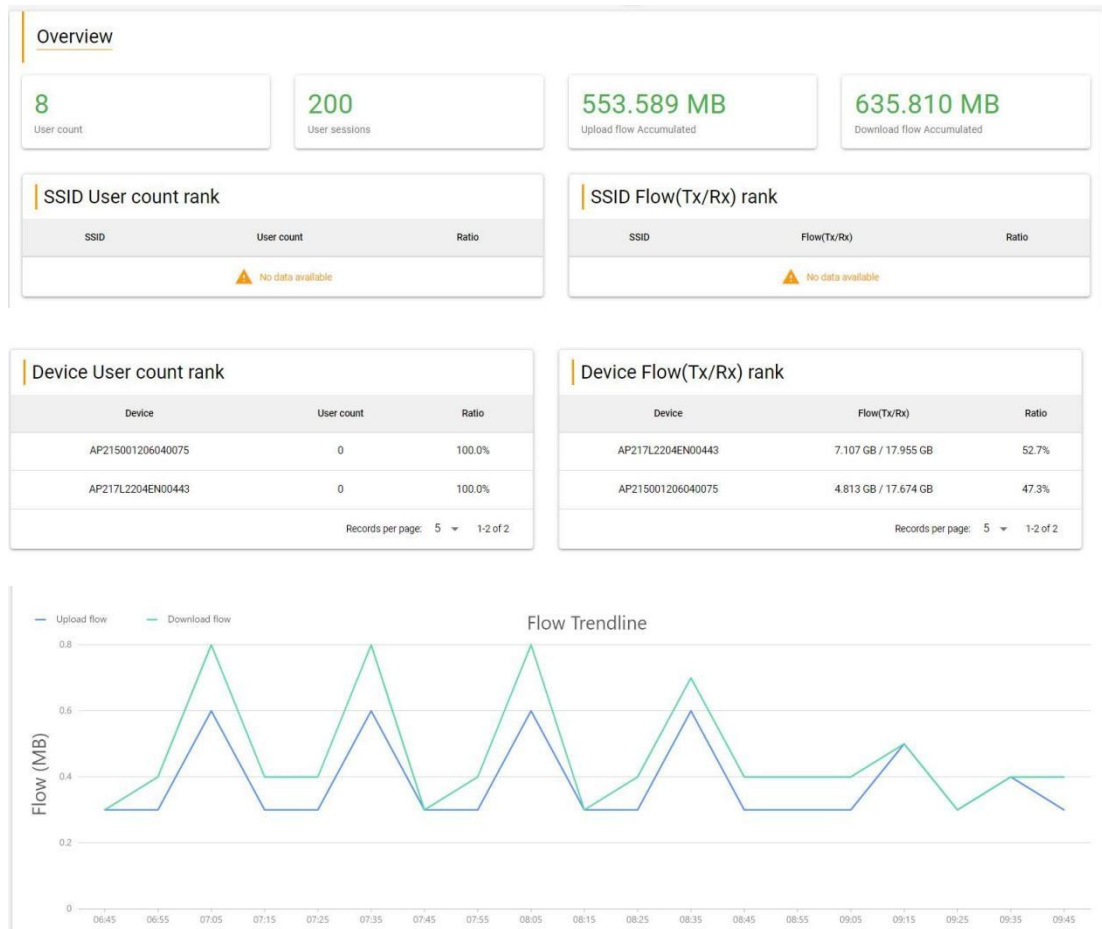
3. MAINTENANCE

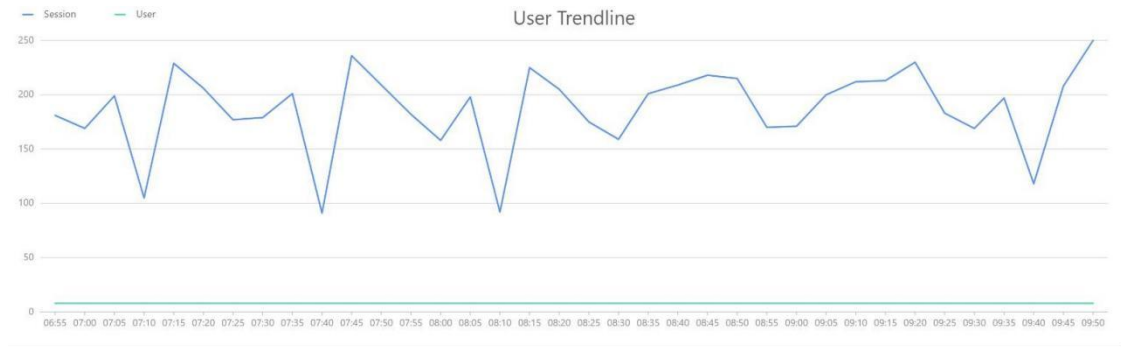
3.1 Report

3.1.1 Overview

Overview, you can see the number of users of the AC gateway, the number of sessions, the accumulated uplink and downlink network traffic, the network traffic used by each AP, the number of WiFi users connected to each AP, etc. You rapidly understand The distribution of network traffic across the network and the distribution of wireless users in this area.

Steps to enter the Overview interface: Click MAINTENANCE > Report > Overview





User count: Including the sum of wired and wireless subscribers under the AC gateway device.

User sessions: Indicates the number of recent network sessions on the AC gateway

Upload flow Accumulated : The accumulated upstream network traffic since the device is powered on (when the device restarts, the accumulated traffic restarts calculation)

Download flow Accumulated: The download network traffic accumulated since the device is powered on (when the device restarts, the accumulated traffic restarts calculation)

SSID User count rank: It will be ranked from most to least according to the number of WiFi users connected

SSID Flow(Tx/Rx) rank: It will be ranked from most to least according to the traffic used by WiFi SSID

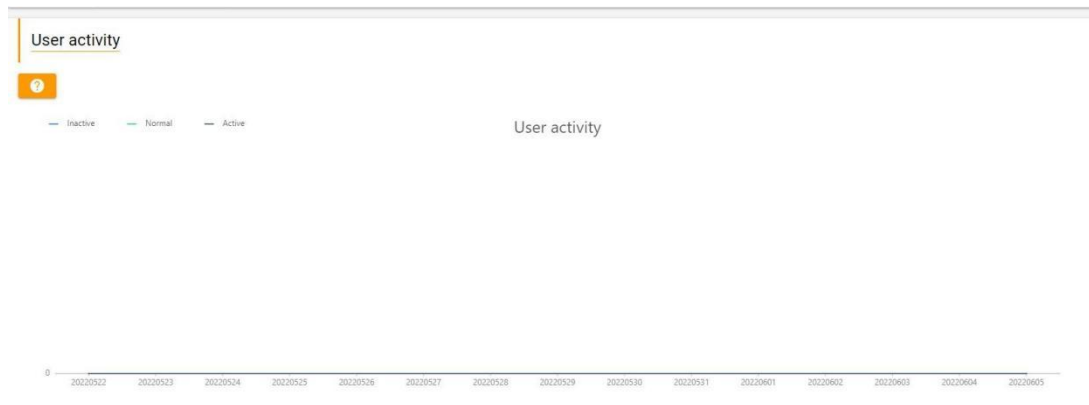
Device User count rank: Displays the number of WiFi connection users per AP Device

Flow(Tx/Rx) rank: Displays the accumulated network traffic used by each AP(when the device restarts, the accumulated traffic restarts calculation)

3.1.2 Activity Analysis

Activity Analysis, you can check the activity of users, and check at a glance which users are often online. Through the activity of APs, you can check which APs are frequently used by users.

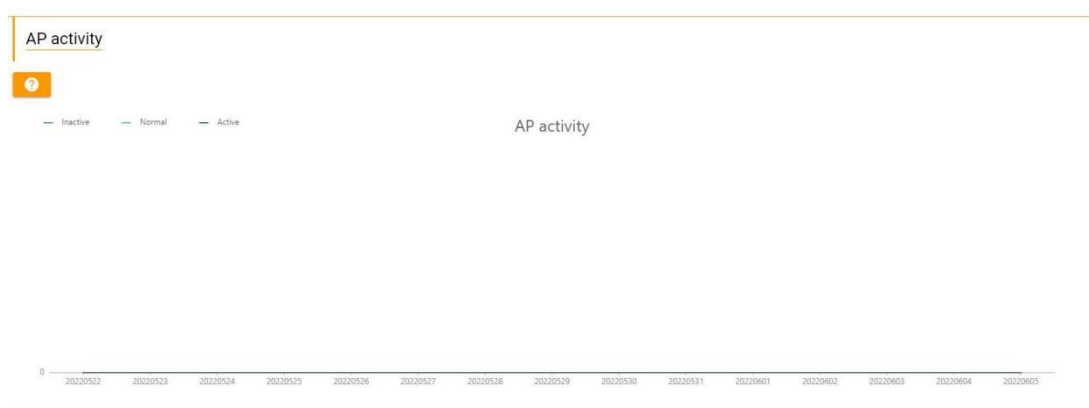
Steps to enter the Activity Analysis interface: Click MAINTENANCE > Report >Activity Analysis



Inactive: User download traffic less than 1MB

Normal : User download traffic between 1MB and 10MB

Active : User download traffic more than 10MB



Inactive: User number less then 5

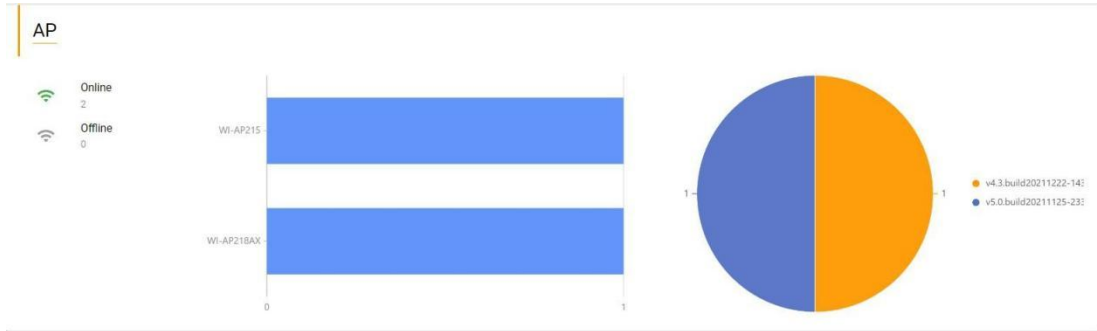
Normal: User number between 5 and 10

Active: User number more than 10

3.1.3 Device Analysis

Device Analysis can display the number of APs, switches, gateway devices and software version numbers, allowing you to rapidly recognize which software versions are used by the devices in the project and how many devices are offline.

Steps to enter the Device Analysis interface: Click MAINTENANCE > Report > Device Analysis



Online: Indicates an online device

Offline: Indicates an offline device

The circular graph on the right represents the proportion of different version numbers of the device

3.2 Log

3.2.1 Operation Log

Operation Log, this page displays configuration logs, login logs, network item deletion and addition logs, and device unbinding and binding logs.

Steps to enter the Operation Log interface: Click MAINTENANCE > Log > Operation Log

Created time	Account	IP	Configure	Description	result
2022-05-03 20:31:03	295087822@qq.com	43.155.91.250	User login	User login	success
2022-05-03 18:09:44	295087822@qq.com	43.155.91.250	User login	User login	success
2022-04-29 17:52:20	295087822@qq.com	45.32.86.22	User login	User login	success
2022-04-29 17:33:43	295087822@qq.com	116.31.244.96	User login	User login	success
2022-04-29 16:15:06	295087822@qq.com	103.182.96.108	Bind	Bind device [SN111222333444555] to network [Demonstrate]	success
2022-04-29 16:13:56	295087822@qq.com	103.182.96.108	Scan	Scan device from [AC105001206280000]	success
2022-04-29 16:11:43	295087822@qq.com	103.182.96.108	Scan	Scan device from [AP2150012060400BE]	success
2022-04-29 15:31:16	295087822@qq.com	116.31.244.96	Reboot	Reboot [CPEDT04921B040004]	success
2022-04-29 15:30:45	295087822@qq.com	45.32.86.22	User login	User login	success
2022-04-29 13:52:54	295087822@qq.com	103.182.96.108	Edit VLAN	Edit [SN55668888389988A] switch VLAN configuration	success

Records per page: 10 11-20 of 353 < > >>

3.3 Upgrade devices

3.3.1 Firmware

In the Firmware interface, you can view the latest software version of the device in your account.

Steps to enter the Firmware interface: Click MAINTENANCE > Device Firmware >

Firmware

Firmware			
Created time	Model	Version	Configure
2022-03-10 16:45:01	WI-AP215	v4.3.build20211222-1438-1cb284e	
2022-04-01 16:22:45	WI-PCMS310GF	WI-PCMS310GF_V10211230	
2022-04-01 16:28:12	WI-CGS5018	WI-CGS5018_V10211230	
2022-04-01 16:29:17	WI-CGS5026	WI-CGS5026_V10211230	

Records per page: 10 1-4 of 4

The following describes the functions on this screen:

Created time: refers to the time when the official software version was uploaded.

3.3.2 Upgrade Log

The Upgrade Log interface provides the upgrade tracking function. You can view the historical upgrade version time of the device on this interface, and whether the upgrade is successful or not.

Steps to enter the Upgrade Log interface: Click MAINTENANCE > Device Firmware >

Upgrade Log

Upgrade Log					
Serial number	result	Start time	End time	Old Version	Upgraded Version
AP2150012060400BE	success	2022-04-21 20:25:14	2022-04-21 20:33:45	v4.3.build20211222-1438-1cb284e	v4.3.build20211222-1438-1cb284e
AP2150012060400BE	success	2022-04-19 21:03:29	2022-04-19 21:15:30	v4.3.build20211222-1438-1cb284e	v4.3.build20211222-1438-1cb284e
SN222333444555666	success	2022-04-01 16:29:32	2022-04-01 16:32:06	WI-CGS5018_V10211111	WI-CGS5018_V10211230
SN111222333444555	success	2022-04-01 16:29:32	2022-04-01 16:32:05	WI-CGS5026_V10211229	WI-CGS5026_V10211230
AP2150012060400BE	success	2022-03-11 13:20:41	2022-03-11 13:26:11	v4.3.build20211222-1438-1cb284e	v4.3.build20211222-1438-1cb284e
SN55668888399988A	failed	2021-12-30 11:50:25	2021-12-30 12:53:30	WI-PCMS310GF_V10211230	1
SN55668888399988A	success	2021-12-30 11:44:17	2021-12-30 11:47:45	WI-PCMS310GF_V10211111	1
SN55668888399988A	failed	2021-12-30 10:26:47	2021-12-30 11:28:04	WI-PCMS310GF_V10211111	1
SN111222333444555	success	2021-12-30 11:06:54	2021-12-30 11:10:11	WI-CGS5026_V10211230	WI-CGS5026_V1_WI-CGS5026_V10211229
SN111222333444555	failed	2021-12-30 09:45:36	2021-12-30 10:47:13	WI-CGS5026_V10211229	WI-CGS5026_V10211111

4. SERVICE

4.1 service

4.1.1 SD-LAN Configuration

SD-LAN software-defined local area network for connecting enterprise branches, headquarters data centers and cloud services across a wide geographic area.

Steps to enter the SD-LAN Configuration interface: Click SERVICE > Service > SD-LAN Configuration

SD-LAN Configuration

+ ADD SD-LAN

Configure	Name	Network Model	Total	Online	Offline
No data available					

Name Device Interface Info

Name !
Name is required

Network Model
Mesh Network

- Mesh Network
- Star Network
- Mesh Network - Tunnel
- Star Network - Tunnel

NEXT

The following describes the functions on this screen:

Mesh Network: Network nodes will connect to each other through IPv6 tunnel directly, all nodes should have a public IPv6 address.

Star Network: Choose one node as the center node, other nodes will connect to this node through IPv4 tunnel. Center node should have a public IPv4 address.

Mesh Network - Tunnel : Mesh network in tunnel mode, but no public IPv4 address needed.

Star Network - Tunnel: Star network in tunnel mode, but no public IPv4 address needed.

How to configure SD-LAN?

Step 1 Click CONFIGURATION > Service > SD-LAN Configuration

Step 2. Click Add SD-LAN.

Step 3. Create the name of the SD-LAN project Step

Step 4. Select Network Mode.

4.1. Mesh Network: All network devices need to have a public network ipv6 address (Dynamic IP or static IP).

4.2. Star Network: The central node network device needs to have an public IPV4 address.

4.3.Mesh Network- Tunnel: The device can be used without a public IP address, but it is limited by the internet service provider (Depends on whether the internet service provider has made restrictions).

4.4.Star Network- Tunnel: It has a central node device. The device can be used without a public IP address, but it is limited by the internet service provider (Depends on whether the internet service provider has made restrictions).

Step 5. If you select Star Mode, you should select the center node device in the following list.

Step 6. Click on Next.

Step 7. Select other network node devices(The device that can be selected here must be the device bound to this account).

Step 8. Click on Next.

Step 9. Please note: The IP address of different network node devices must be in different IP subnet segment.

Step 10. Click on Save to save the configuration.

1

2

3

4

5

6

Hostname	Serial number	MAC	Notes
4G	WLTE02109020001	C8:EE:A6:3E:FB:5D	demonstrate
AC10SP	AC105001206280000	E4:67:1E:09:90:5F	demonstrate
NGROUTER	WITEK023204110000	44:D1:FA:7B:4C:EB	office-403
AC10SP_402	AC105PUS211000031	E4:67:1E:24:28:39	office_402
Wi-TEK Mesh AP	AP717MP2103010002	58:61:63:00:5A:02	demonstrate

7

8

Network Node	Hostname	Serial number	MAC	Network	Notes
4G	4G	WLTE02109020001	C8:EE:A6:3E:FB:5D	demonstrate	
AC10SP	AC10SP	AC105001206280000	E4:67:1E:09:90:5F	demonstrate	
NGROUTER	NGROUTER	WITEK023204110000	44:D1:FA:7B:4C:EB	office-403	
Center Node	AC10SP_402	AC105PUS211000031	E4:67:1E:24:28:39	office_402	
Wi-TEK Mesh AP	Wi-TEK Mesh AP	AP717MP2103010002	58:61:63:00:5A:02	demonstrate	

9

10

Hostname	Serial number	Interface	IP	Netmask
AC10SP_402	AC105PUS211000031	lan	192.168.12.1	24
AC10SP	AC105001206280000	lan	192.168.20.1	24
NGROUTER	WITEK023204110000	lan	192.168.13.1	24
NGROUTER	WITEK023204110000	lan3	192.168.15.1	24

4.1.2 Project View

Dash-board makes it easy to see your real-time network status; check network usage and traffic distribution; receive network condition logs, abnormal event warnings, and notifications; or even track key data for better business results. Network topology helps IT admin s quickly see and troubleshoot connections at a glance.

Steps to enter the Project View interface: **Click SERVICE > Service > Project View**

Project View Configuration

1 Select network: Demonstrate

2 Select Language: English

3 Set title

4 Show module Wireless Upgrade Log

5 **SAVE**

Create Project View success, please click the following link to access or copy the link and open it in web browser.
<https://v.wireless-tek.com/LJ1Cce1q32mMu5zQMSZ9hyMJyng~>

The following describes the functions on this screen:

Select network: Select the displayed network item

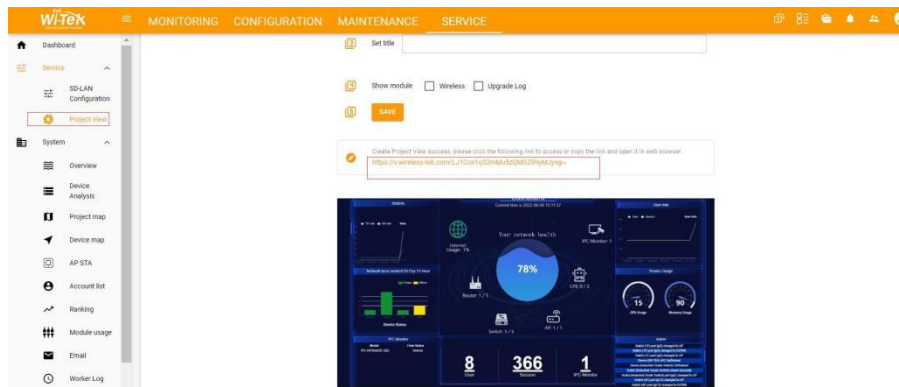
Select Language: switch language (currently only supports English and Chinese)

Set title: You can write the title of the large screen. If it is empty, the name of the project will be displayed.

Show module: If checked, this information will be displayed on the large screen, if not selected, it will not be displayed

Steps to enter the Project View interface: **Click SERVICE > Service > Project**

View><https://v.wireless-tek.com/LJ1Cce1q32mMu5zQMSZ9hyMJyng~>





The following describes the functions on this screen:

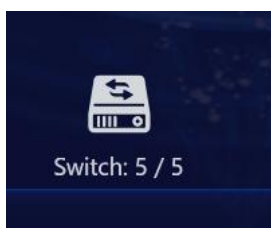
Statistic: Displays the traffic of the AC gateway

Network been worked 60 Day 0 Hour: the project started timing when the cloud platform was created and has been accumulating

IPC Monitor: Smart devices that support Onvif



Indicates the network health value. When the network devices are all online and there is no fault, the health value is 100%. If there is a device failure, the network health value will be reduced proportionally.



The 5 in front of "Switch 5/5" represents the online device, and the number after it represents the total number of devices