



User Guide For AP Controller

Release version:V1.0

October 2022

Overview

AP controller series products provide wireless access point unified management solutions for small and medium-sized enterprises and families. It can also be bound to the cloud platform cloud platform to provide services for small and medium-sized enterprises. and home with a flexible, feature-rich, and easy-to-configure wireless network.

Applicable product models are as follows:

WI-AC50, WI-AC50 V2

Note: The software interface is based on v5.0.build20221010-2303 after.

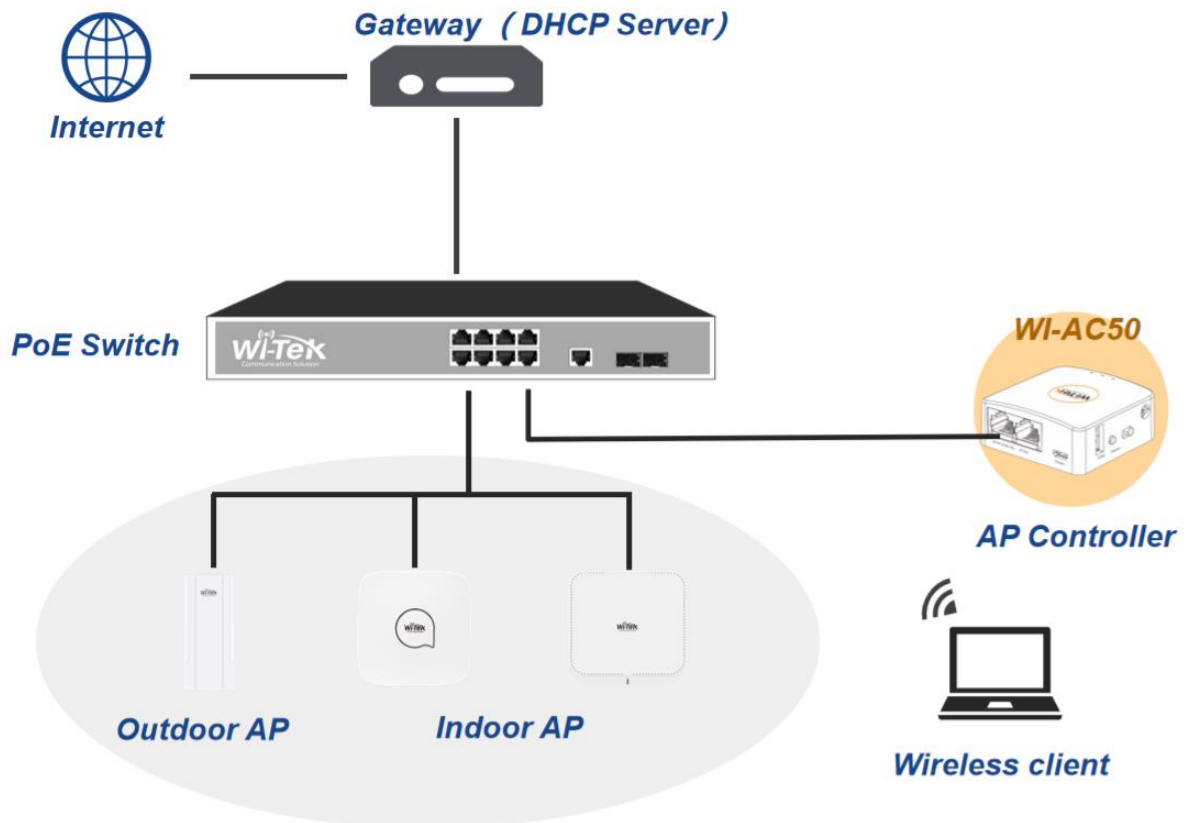
Revision History

Date	Doc Version	Description
October 2022	V1.0	Initial version

1. Quick Setup

1.1. Deploy the AC50

A gateway acts as a DHCP server to assign IP addresses to APs, clients and AC50. The AC50 and the APs are in the same subnet.



1.2. Log in to the AC50

1.2.1. Find IP address

Use AP Tools to scan IP addresses, as shown in the following figure.

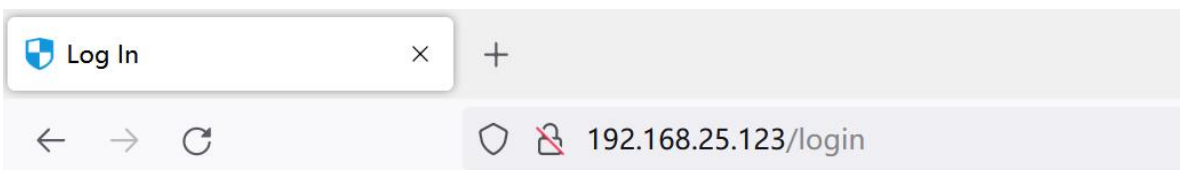
Primary IP	Secondary IP	MAC	Group	Role	SN	Model	Version	AC Address	Host	Status	Work Mode
192.168.25.123	169.254.254.99	94-83-C4-17-12	Group	NA	AC5020212	WI-AC50	v5.0.build:		WI-	Password	Local-M
192.168.25.137	169.254.64.53	44-D1-FA-C5-4C	Group	AP	AP217EN21	WI-AP217	v4.3.build:	192.168.2	AP2	Normal	Default
192.168.25.132	169.254.65.250	54-3D-92-02-41	Group	AP	AP217L222C	WI-AP217-Lite	v5.0.build:	192.168.2	AP2	Normal	Default
192.168.25.152		88-12-AC-80-14	Group	NA	AP717MP21	WI-AP717MP	v5.0.build:		WI-	Normal	Default

Note:

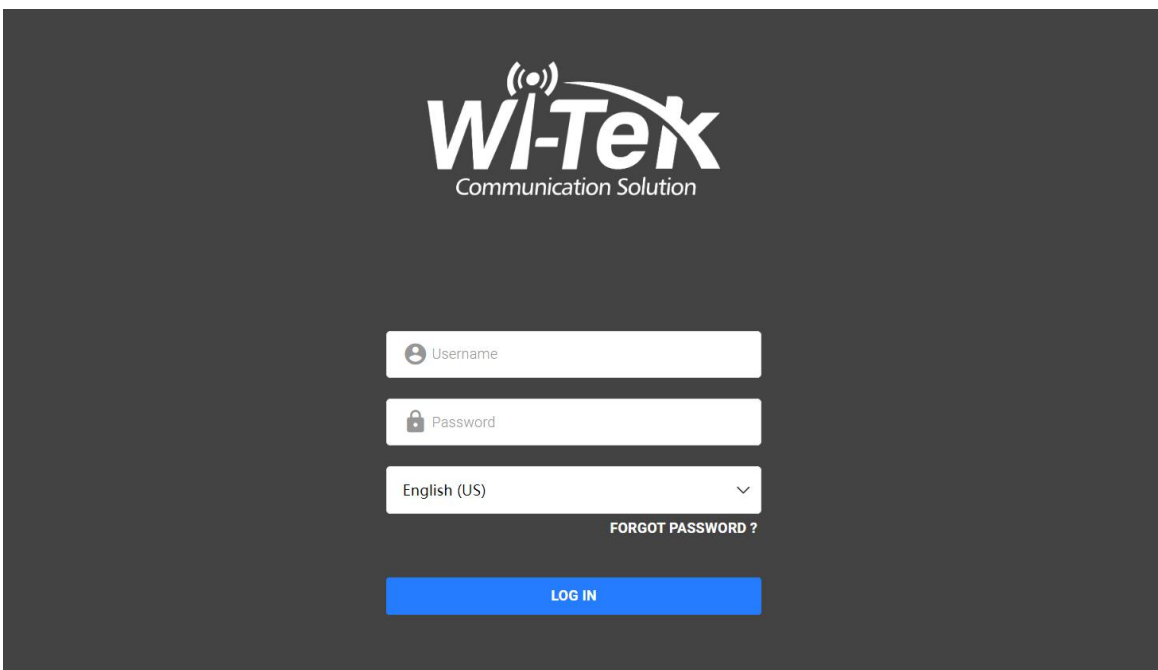
- Make sure your computer and AC50 are on the same subnet.
- AP Tools download link: http://www.wireless-tek.com/files_down.php?id=90

1.2.2. Log In

Open a web browser and enter 192.168.25.123 in the address field, then press Enter (Windows) or Return (Mac).



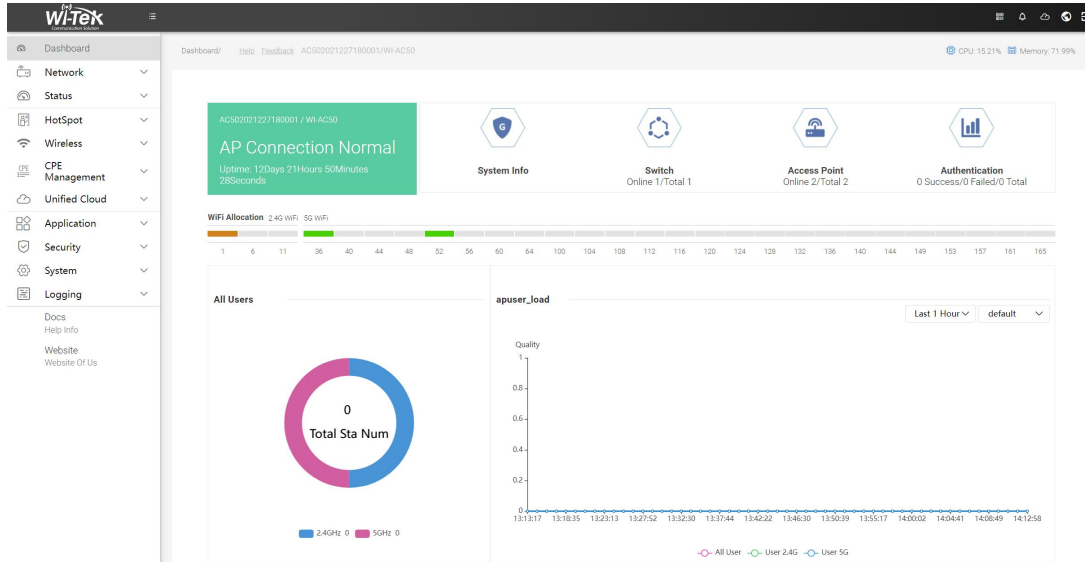
Enter your account and password, then click Login.



Note:

- The default fallback IP address of AC50 is 192.168.1.88.
- The default user name and password is admin.

After a successful login, the main page will appear as in the figure below.



1.3. Create AP group

Go to the **Wireless > AP Groups** page.

The screenshot shows the 'Wireless/AP Group' configuration page. The top navigation bar includes 'Dashboard', 'Help', 'Feedback', and the device ID 'AC502021227180001/Wi-'. System metrics show CPU at 15.21% and Memory at 73.48%. The main content area features a search bar 'Input Content' and three buttons: 'ADD', 'REVERSE', and 'DELETE'. Below this is a table with columns: 'Configure', 'Group Name', 'AP Num', and 'WxApp Support'. The table contains one row with 'Edit', 'default', '0', and 'Disable'. The left sidebar contains navigation options like Overview, AP Group (highlighted), AP List, RF Planning, WhiteBlack List, and Firmware. The bottom right corner shows 'Records per page: 20' and '1-1 of 1'.

Click the **Add** button to create a wireless configuration.

Group Name

2.4GHz 5GHz Other Configuration

Wireless Template Configuration

[Add](#)

1

SSID

Encryption

KEY

Advance Features Isolate Hidden Qrcode

MAX Num of User

AuthType

VLAN BINDING

[Delete](#)

Advanced v

CONFIRM GO BACK

1.4. Bind the AP

AC50 can discover all currently connected ap in the network and display their connection status. When AC50 is discovered for the first time, all ap is in a pending state. To manage the AP, you need to bind them to the AP group.

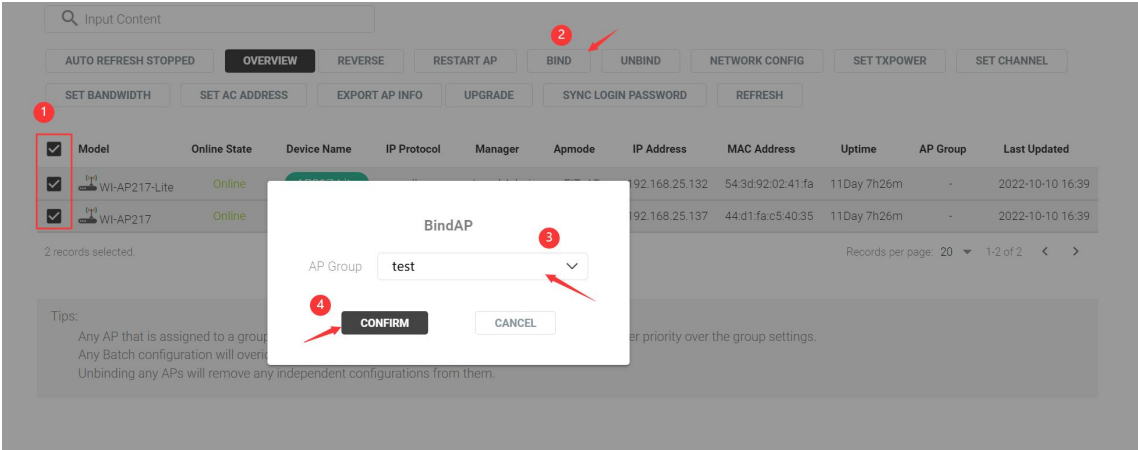
Go to the Wireless > AP List page.

Model	Online State	Device Name	IP Protocol	Manager	Apmode	IP Address	MAC Address	Uptime	AP Group	Last Updated
Wi-AP217-Lite	Online	AP217-Lite	dhcp	Local Admin	FIT_AP	192.168.25.132	54-3d92-02-41-fa	11Day 7h26m	-	2022-10-10 16:39
Wi-AP217	Online	AP217	dhcp	Local Admin	FIT_AP	192.168.25.137	44-d1-fa-c5-40-35	11Day 7h26m	-	2022-10-10 16:39

2 records selected. Records per page: 20 1-2 of 2

Tips:
 Any AP that is assigned to a group can be configured independently. These settings will take a higher priority over the group settings.
 Any Batch configuration will override any other configuration on ALL selected APs
 Unbinding any APs will remove any independent configurations from them.

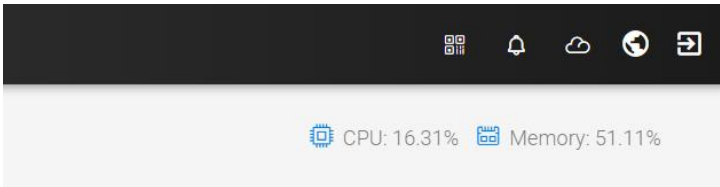
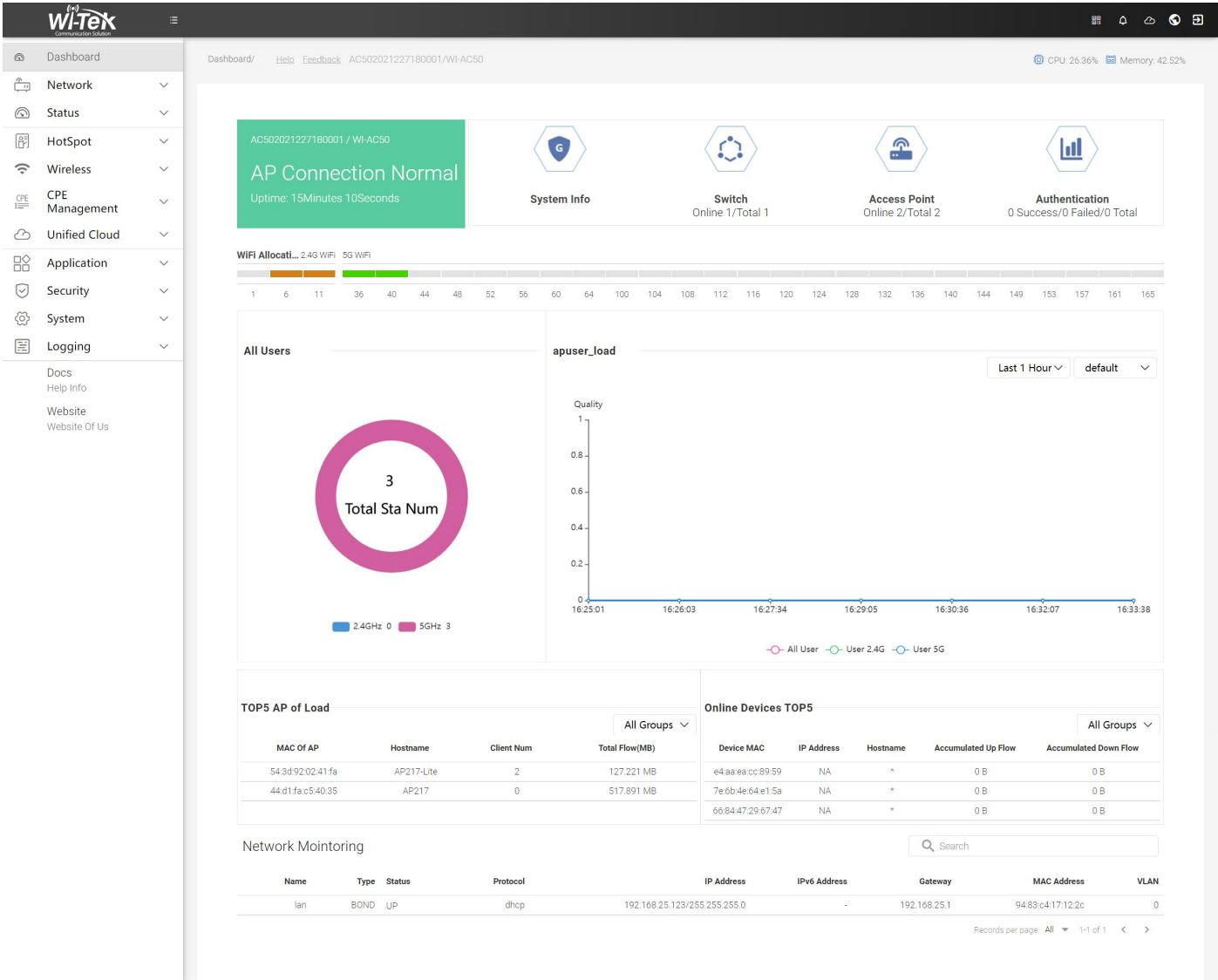
Please follow the steps below to bind the AP.








-END-

2. Dashboard

AP collects all statistics of managed APs and displays the statistics in graphs, providing an overview of your wireless network.



Parameter	Describe
	Click it to jump to the Unified Cloud option
	unread messages
	Click it to quickly jump to the cloud 2.0 platform
	Click it to switch the system language, including English and Chinese.
	Click it to log out.

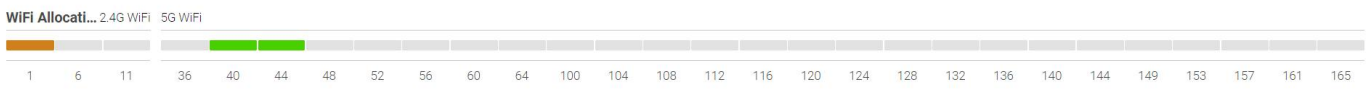
2.1. Device statistics

This module displays the devices in the network. You can check their numbers and their statistics.



2.2. WiFi Allocation

This module displays the channels of 2.4 GHz and 5 GHz, and if you place the mouse over a channel, you can view the number of APs and clients of that channel.



2.3. All Users

Displays the number of all wireless client users in a pie chart.

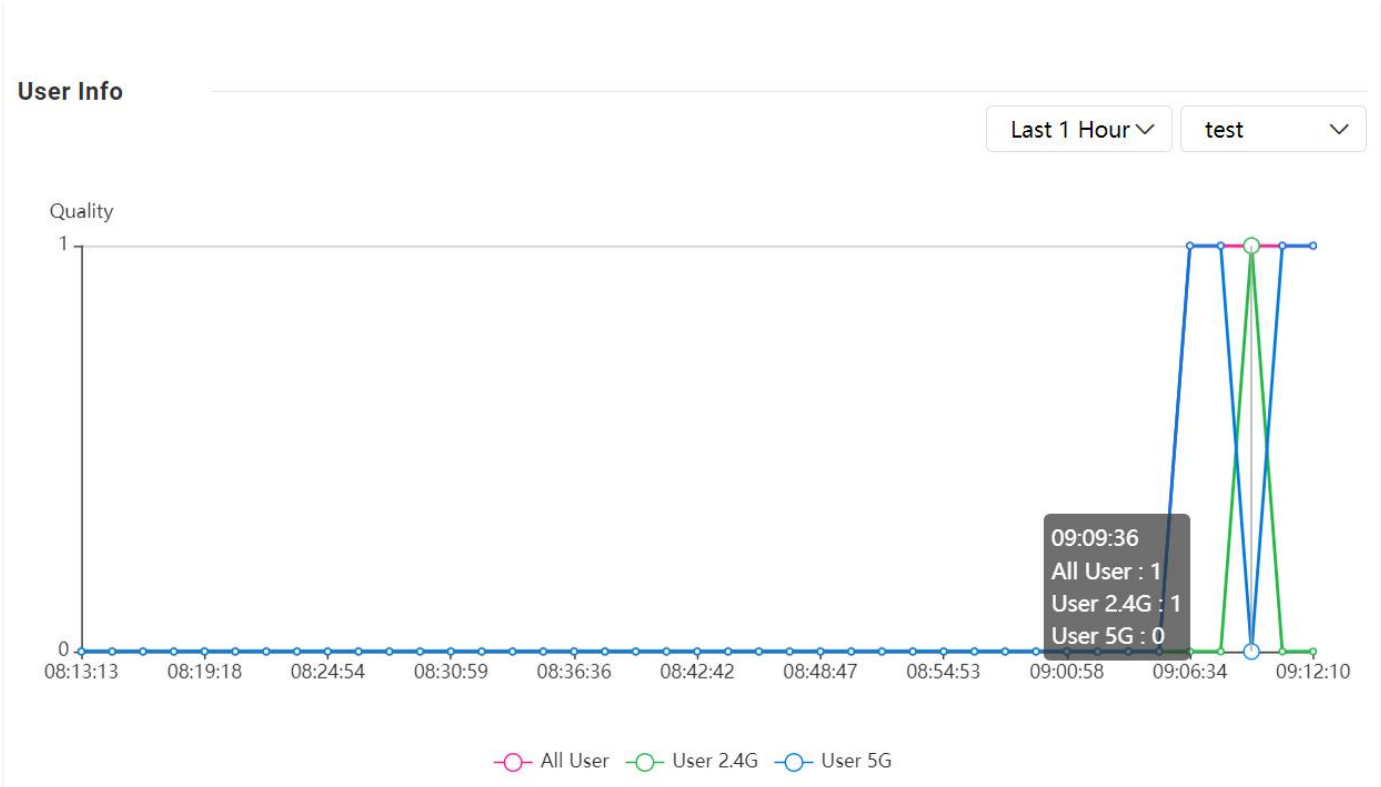
All Users



2.4GHz 0 5GHz 1

2.4. User Info

Display the number of users in the same AP group in different time periods.



2.5. TOP5 AP of Load

Display the top 5 APs with traffic in the AP group.

TOP5 AP of Load			
MAC Of AP	Hostname	Client Num	Total Flow(MB)
54:3d:92:02:41:fa	AP217-Lite	1	2.172 MB
44:d1:fa:89:b5:62	AP415	0	71.117 MB

2.6. Online Devices TOP5

Display the top 5 wireless clients in the AP group.

Online Devices TOP5				
Device MAC	Associated AP	Hostname	Uptime	SSID
36:3e:a9:1a:e6:b3	AP415001209020155	*	3Minutes 53Seconds	11AC50-test

2.7. Network Mointoring

Display the basic information and status of the LAN port.

Network Mointoring									
Name	Type	Status	Protocol	IP Address	IPv6 Address	Gateway	MAC Address	VLAN	
lan	BOND	UP	dhcp	192.168.25.123/255.255.255.0	-	192.168.25.1	94:83:c4:17:12:2c	0	

Records per page: All 1-1 of 1 < >

3. Network

3.1. Wireless

With this function, the wireless client can connect its own Wi-Fi. Click **Network > Wireless** to access this page.

Parameter	Describe
Status	Display the wireless status of the device. * Enabled by default
SSID	Displays the SSID name of the AC.
Encryption	Display encryption of SSID. * Default SSID format: WI-TEK_ AC50_ XXXX
KEY	Display key of SSID. The default password is 88888888.

3.2. Interface

Click **Network > Interface** to access this page.

The screenshot shows the 'LAN' configuration page for an AC502021227180001/WI-AC50. The 'MAC Address' field contains '94:83:c4:17:12:2c' with a 'Random' button next to it. The 'IP Protocol' is set to 'DHCP' (selected) and 'Static'. The 'DNS' section has two input fields for 'Input IP of DNS Server(Optional)'. A 'CONFIRM' button is at the bottom.

Parameter	Describe
MAC Address	Display MAC address of AC. (Click "Random" to generate MAC)
IP Protocol	DHCP: Get IP automatically from DHCP server (fallback IP: 192.168.1.88)
DNS	Configure DNS manually.

The screenshot shows the 'LAN' configuration page for an AC5020212271800. The 'MAC Address' field contains '00:aa:7d:49:1d:2e' with a 'Random' button. The 'IP Protocol' is set to 'Static' (selected) and 'DHCP'. The 'IP Address' field is empty, with a hint 'IP Like : 192.168.11.1'. The 'Netmask' is a dropdown menu. The 'Gateway' field is empty. The 'DNS' section has two input fields for 'Input IP of DNS Server(Optional)'. A 'CONFIRM' button is at the bottom. System status at the top right shows CPU: 17.41% and Memory: 41.65%.

Parameter	Describe
MAC Address	Display MAC address of AC. (Click "Random" to generate MAC)
IP Protocol: Static	Configure IP, gateway, and other parameters manually.
IP Address	Configure the IP address manually.
Netmask	Configure netmask manually.
Gateway	Configure gateway and DNS manually.
DNS	Configure DNS manually.

4. Status

4.1. Wi-Fi Sta Info

Display the wireless client information connected to the AP. Click **Status > WiFi Sta Info** to access this page.

The screenshot shows the 'WiFi Sta Info' page in the Wi-Tek AP Controller. The page includes a search bar, 'AUTO REFRESHING', 'RESTART SERVICE', and 'REFRESH' buttons. The table below shows the following data:

Configure	IP Address	MAC Address	Hostname	Band	Associated AP	Associated AP Name	MAC Of AP	SSID	Uptime	Signal	RX Rate	TX Rate
Kick	192.168.25.127	e4aaea.cc89.59	*	5G	AP217L22207EN0303	AP217-Lite	54:3d:92:02:41:fa	AC50 V2	1Hours 16Minutes 2Seconds	-79 dBm	58.0	175.1
Kick	192.168.25.176	66.84.47.29.67.47	*	5G	AP217L22207EN0303	AP217-Lite	54:3d:92:02:41:fa	AC50 V2	1Hours 10Minutes 28Seconds	-74 dBm	6.0	173.1

Records per page: 20 | 1-2 of 2

Parameter	Describe
Configure	Click the kick button to remove the wireless client.
IP Address	Display the IP address of the wireless client.
MAC Address	Display MAC address of wireless client.
Host name	Displays the host name of the wireless client.
Band	Display the band connected by the wireless client
Associated AP	Display the S/N of the AP.
Associated AP Name	Displays the name of the AP.
MAC Of AP	Displays the MAC address of the AP.
SSID	Display the SSID connected to the wireless client
Uptime	Display the time when the wireless client connects to the AP.

signal	Display the signal value of the wireless client connected to the AP.
RX Rate	Displays the rate of receiving data of the device.
TX Rate	Displays the rate of sending data of the device.

4.2. Lien Monitoring

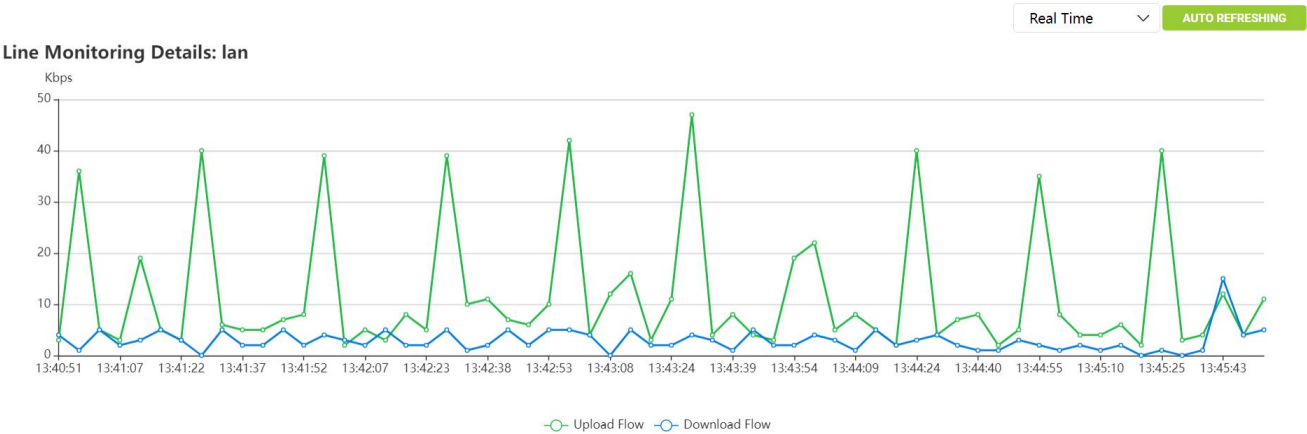
Display LAN port status information. Click **Status > Line Monitoring** to access this page.

The screenshot shows the Wi-Tex web interface. On the left is a navigation menu with categories like Dashboard, Network, Status, WiFi Sta Info, Line Monitoring (selected), Authorised Users, License, ARP List, HotSpot, Wireless, CPE Management, Unified Cloud, Application, Security, System, and Logging. The main content area is titled 'Status/Line Monitoring' and shows 'Interface Status' for 'lan' with a status of '0: lan'. Below this is the 'Line Monitoring' section with a search input and 'AUTO REFRESHING' and 'REFRESH' buttons. A table displays interface statistics:

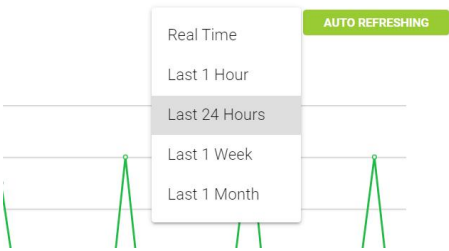
Details	Interface	Port Name	Status	IP Address	IPv6 Address	Sessions	RX rate	TX rate	TX bytes	RX bytes	TX packets(dropped/total)	RX packets(dropped/total)
Details	lan	eth0	Enable	192.168.25.123/255.255.255.0	-	-	23 Kbps	25 Kbps	2.290 MB	4.754 MB	0 / 13919	17 / 21100

Records per page: 20, 1-1 of 1. A tip at the bottom states: 'By default, the statistics will refresh automatically every 5 seconds. The packet loss statistics will be cleared at 0:00 every day.'

Click Details to display the detailed traffic distribution map.



Filter according to different time



4.3. Authorised Users.

If you use the HotSpot function, the authenticated users will be counted in this list. Click **Status > Authorised Users** to access this page.

The screenshot shows the Wi-Tek web interface for 'Authorised Users'. The left sidebar contains navigation options: Dashboard, Network, Status, WiFi Sta Info, Line Monitoring, Authorised Users (selected), License, ARP List, HotSpot, and Wireless. The main content area has a search bar with the text 'Input Content'. Below the search bar are three buttons: 'AUTO REFRESHING' (green), 'RESTART SERVICE', and 'REFRESH'. A table displays the following data:

Configure	IP Address	IPv6 Address	MAC Address	Username	Authentication Method	Uptime	Session Num
Kick Block	192.168.25.187	-	86:00:c8:0f:c6:ed	*	webportal	2Hours 15Minutes 45Seconds	*

At the bottom right of the table, it says 'Records per page: 20' and '1-1 of 1' with navigation arrows.

4.4. License

Display the license status and information of AC50. Click **Status > License** to access this page.

License Status

Device has been Licensed

License Info

Model	WI-AC50
Serial Number	AC502021227180001
Product Vendor	AC502
System Version	v5.0.build20220926-2001

extrainfo

Max AP Num	32
Max CPE Num	32
Max MWAN Num	5
Max Account Num	80
Max PPPoE Client Num	20

EXTENDED LICENSE

4.5. ARP List

The ARP list records the mapping relationship between IP addresses and MAC addresses. Click **Status > ARP List** to access this page.

IPV4 IPV6

🔍 Input Content

EXPORT REVERSE

<input type="checkbox"/>	Interface Associated	Device IP	Device MAC	Type
<input type="checkbox"/>	br-lan	192.168.25.137	44:d1:fa:c5:40:35	REACHABLE
<input type="checkbox"/>	br-lan	192.168.25.135	00:28:24:11:f7:6d	DELAY
<input type="checkbox"/>	br-lan	192.168.25.127	e4:aa:ea:cc:89:59	REACHABLE
<input type="checkbox"/>	br-lan	192.168.1.3	c0:51:7e:e0:76:59	STALE
<input type="checkbox"/>	br-lan	192.168.25.1	44:d1:fa:7b:69:c4	REACHABLE
<input type="checkbox"/>	br-lan	192.168.25.132	54:3d:92:02:41:fa	REACHABLE

Records per page: 20 1-6 of 6 < >

5. HotSpot.

Use this function to provide a convenient authentication service for users who only need temporary access to the Internet. For example, users in shopping malls can enter the login page after connecting to an open Wi-Fi, and use the correct login information to pass the authentication.

5.1. Local Portal

Click Hot Spot > Local Portal to access this page.

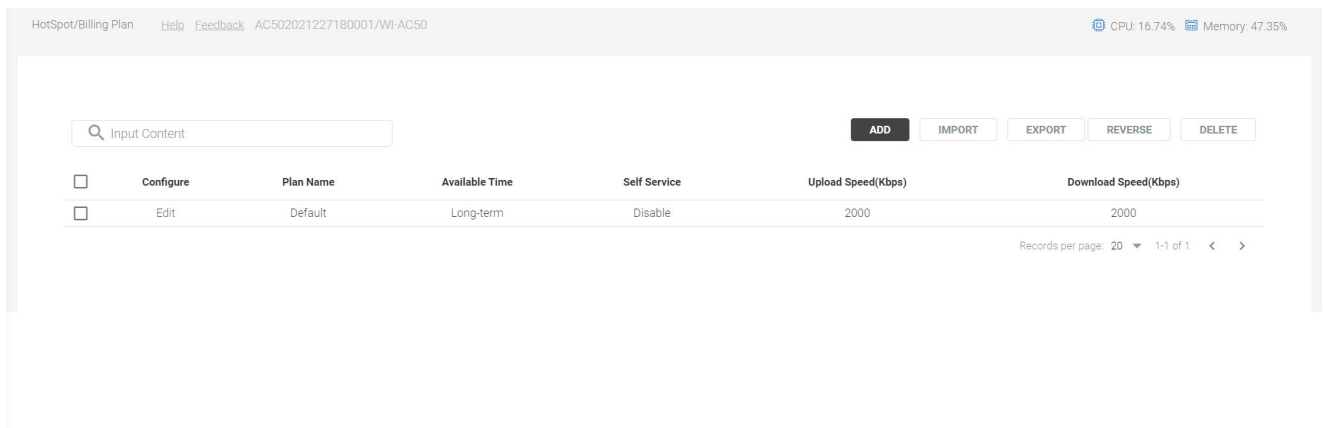
The screenshot shows the configuration interface for the Local Portal. On the left is a navigation menu with categories like Network, HotSpot, Wireless, and System. The main content area is titled 'Local Portal' and contains two sections: 'Display configuration' and 'Authentication Configuration'. The 'Display configuration' section has input fields for 'Welcome' (Welcome to our office, at your service.), 'Contact information' (800-800-8888), 'Copyright information' (All Right Reserved), 'Login Button Prompt' (Login), and 'Help Button Prompt' (Recharge). There is also an 'Images' section with a file upload icon and a preview of a Wi-Tek logo. The 'Authentication Configuration' section has a dropdown for 'Authentication Method' set to 'OneKey Auth', a 'Redirect Uri after Auth success' field with 'http://wireless-tek.com', and an 'Auth Validity Time' section with radio buttons for 'Minutes' (selected), 'Hours', and 'Days', and a text input for '30'. At the bottom are 'CONFIRM' and 'CANCEL' buttons. On the right, a mobile phone mockup displays the login page with the Wi-Tek logo, the text 'Welcome to our office, at your service.', a green 'LOGIN' button, and the contact number '800-800-8888'.

Parameter	Describe
Images	Up to 5 images can be uploaded. Recommended size: 300*200 pt.
Authentication Method	<p>Local User Auth: Check this method, clients are required to enter the correct username and password of the login account to pass the authentication.</p> <p>RADIUS Auth: If you have a RADIUS server, you can configure this modes.</p>

	<p>Phone Num Auth: Enter your mobile phone number to log in.</p> <p>SMS Auth: Check this method, client can get verification codes using their mobile phones and enter the received codes to pass the authentication.</p> <p>OneKey Auth: Check this method, clients can access the network without any authentication.</p> <p>Pre-Shared Password: Check this method, clients are required to enter the correct password to pass the authentication.</p> <p>Vouchers: Check this method, you can distribute the vouchers automatically generated by the AC50 to the clients. Clients can use the vouchers to access the network.</p>
Redirect Url after Auth success	With Redirect enabled, you also need to enter the URL in this field. The newly authenticated client will be redirected to this URL.
Auth Validity Time	Specify the value of authentication timeout.

5.2. Billing Plan

With this function, you can create a plan in advance for local user authentication speed limit. Click **Hot Spot > Billing Plan** to access this page.



Click the **Add** button to create a plan to limit the speed of authenticated users.

Plan Name

Unit Minute Hour Day Month

Available Time
0 means No Limit

Upload Speed(Kbps)

Download Speed(Kbps)

Self Service Enable Disable

Parameter	Describe
Plan Name	Specify a name for the Portal.
Unit	Select time type.
Available Time	Specify the scheduled time.
Upload Speed(Kbps)	Specify Upload rate limit.
Download Speed(Kbps)	Select download rate limit.
Self Service	Enable it, users can register their own accounts on the portal page.It is disabled by default.

5.3. Local Users

With this Local Users configured, clients are required to enter the correct username and password of the login account to pass the authentication. Click **Hot Spot > Local Users** to access this page.

<input type="checkbox"/>	Configure	Status	Username	Password	Auth Protocol	Upload Speed(Kbps)	Download Speed(Kbps)	Due Time	Billing Plan	Remarks
<input type="checkbox"/>	Edit	Normal	yourname	yourpasswd	pptp / l2tp / pppoe / webportal	2000	2000	Long-term	Custom	-
<input type="checkbox"/>	Edit	Normal	12345678	12345678	webportal	2000	5000	Long-term	Default	
<input type="checkbox"/>	Edit	Expired	test1	12345678	webportal / pppoe	2000	5000	2022-10-12 02:16:39	Default	

Records per page: 20 1-3 of 3 < >

Click the **Add** button to create a user name and password for local authentication.

Username

Password

Amount of Concurrency
Note: At the same time, how many users using same account can login, default to 1, 0 means no limit

SMS Notification Enable Disable
Note: When selected, the account information will be sent to the user

Remarks

Plan Select ▼

Upload Speed(Kbps)

Download Speed(Kbps)

Due Time Long-term

Parameter	Describe
Username	Specify a name.
Password	Select time type.
Amount of Concurrency	The specified account can be restricted at the same time.
SMS Notification	Whether to start the SMS service.
Remarks	Specify remarks.
Plan Select	Select an already created plan.
Upload Speed(Kbps)	Specify Upload rate limit.
Download Speed(Kbps)	Select download rate limit.
Due Time	Specify user usage time.

5.4. Vouchers

With Voucher configured, you can distribute the vouchers automatically generated by the AC50 to the clients. Clients can use the vouchers to access the network. Click **Hot Spot > Vouchers** to access this page.

<input type="checkbox"/>	Status	Vouchers	Due Time	Upload Speed(Kbps)	Download Speed(Kbps)	Remarks
<input type="checkbox"/>	Normal	800940	1Day	10000	100000	
<input type="checkbox"/>	Normal	238228	1Day	10000	100000	
<input type="checkbox"/>	Normal	855370	1Day	10000	100000	
<input type="checkbox"/>	Normal	237219	1Day	10000	100000	
<input type="checkbox"/>	Normal	742234	1Day	10000	100000	
<input type="checkbox"/>	Normal	275929	1Day	10000	100000	
<input type="checkbox"/>	Normal	101348	1Day	10000	100000	
<input type="checkbox"/>	Normal	220933	1Day	10000	100000	
<input type="checkbox"/>	Normal	998399	1Day	10000	100000	
<input type="checkbox"/>	Normal	936367	1Day	10000	100000	

Click **BATCHADD** to create Vouchers.

Code length	<input type="text" value="6"/>
Amount	<input type="text" value="10"/>
Amount of Concurrency	<input type="text" value="1"/>
Remarks	<input type="text" value="Input Remarks"/>
Upload Speed(Kbps)	<input type="text" value="10000"/>
Download Speed(Kbps)	<input type="text" value="100000"/>
Available Time	<input type="text" value="1 Day"/>
Unit	<input type="radio"/> Minutes <input type="radio"/> Hours <input checked="" type="radio"/> Day <input type="radio"/> Month

Note: At the same time, how many users using same account can login, default to 1, 0 means no limit


CONFIRM

CANCEL

Parameter	Describe
Code length	Specify character length.
Amount	Select time type.
Amount of Concurrency	Total number of accounts created at one time
Remarks	Specify remarks.
Upload Speed(Kbps)	Specify Upload rate limit.
Download Speed(Kbps)	Select download rate limit.
Available Time	Select the period of validity of the Voucher.
Unit	Select time type.

5.5. RADIUS Server

Click Hot Spot > RADIUS Server to access this page.

RADIUS Server Domain	<input type="text" value="Input RADIUS Server Domain"/> <small>e.g. 192.168.9.250 or www.example.com</small>
Pre-Shared Key	<input type="text" value="max length is 255"/> <small>Pre-Shared Key used to communicate with RADIUS server</small>
Account Port	<input type="text" value="Input Non-zero Number, 0 means No Limit"/> <small>accountingport_help</small>
Auth Port	<input type="text" value="e.g, 1812"/> <small>authenport_help</small>
NAS Identifier	<input type="text" value="Input NAS Identifier"/> <small>IP or NAS Token</small>
Bind IP	<input type="text" value="IP Address Bind(Optional), like 192.168.100.100"/> <small>IP used to communicate with RADIUS Server</small>
Connection Status	Connection Failed 
<input type="button" value="CONFIRM"/> <input type="button" value="TEST"/>	

Parameter	Describe
RADIUS Server Domain	Enter the domain name or IP address of the RADIUS server.
Pre-Shared Key	Enter the password you have set on the RADIUS server.
Account Port	Enter the port number you have set on the RADIUS server.
Auth Port	Enter the port number of the accounting server. The default port number is 1812.
NAS Identifier	Enter NAS Identifier. (IP or NAS Token)
Bind IP	Enter Bind IP (optional) * IP used to communicate with RADIUS Server
Connection Status	Show connection status.

5.6. SMS Gateway

Clients can get verification codes using their mobile phones and enter the received codes to pass the authentication. Click **Hot Spot > SMS Gateway** to access this page.

HotSpot/SMS Gateway [Help](#) [Feedback](#) AC502021227180001/WI-AC50

SMS-Gateway Clickatell AliDaYu ihuyi

AppKey(Access Key ID)

Password(Access Key Secret)

SMS Signature

SMS Template CODE for Account Creating

SMS Template CODE for Notice

SMS Template CODE for Verification

CONFIRM

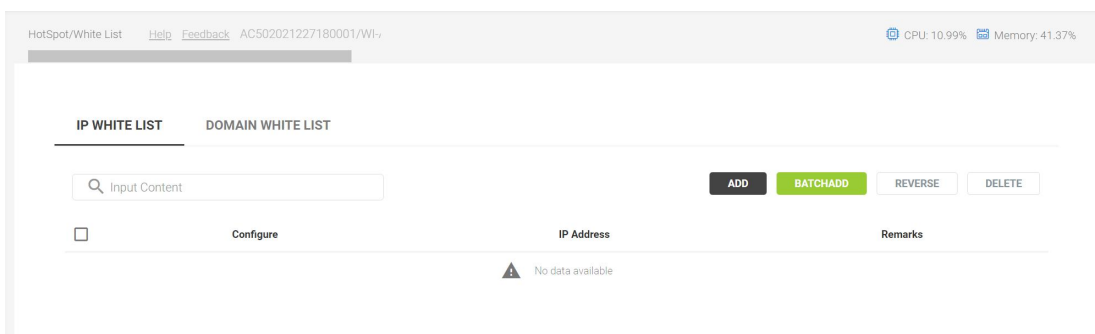
Parameter	Describe
SMS -Gateway	Select the specified SMS gateway.
App Key	The specified Access Key ID obtained from the SMS gateway.
Password	Get the specified password from the SMS gateway.
SMS Signature	Input SMS Signature.
SMS Template CODE for Account Creating	Input SMS Template CODE for Account Creating.
SMS Template CODE for Notice	Input SMS Template CODE for Notice.
SMS Template CODE for Verification	Input SMS Template CODE for Verification.

5.7. White List

White List allows some specified IP or domain name to access the network resources without authentication. Click **Hot Spot > White List** to access this page.

5.7.1.IP WHITELIST

Allow specific user's IP address to access the Internet without Portal authentication.



Select **IP WHITELIST** and click the **Add** button to add an IP address.

Description

Host IP [Add](#)

<input type="checkbox"/>	192.168.25.201	Remove
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Click **CONFIRM** to add the IP address into rule.

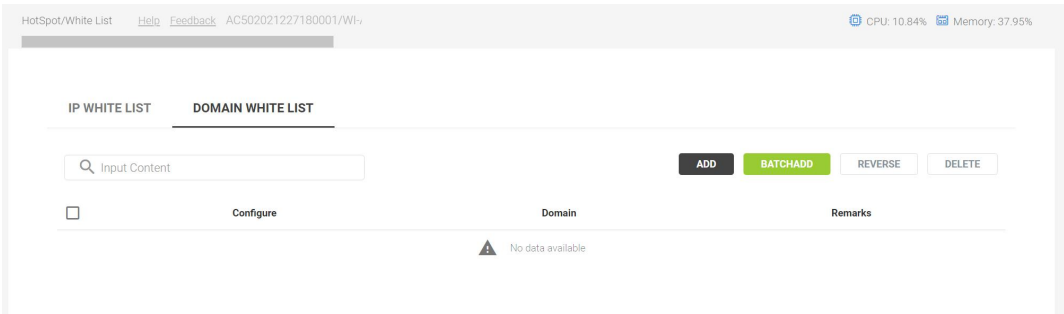
IP WHITE LIST DOMAIN WHITE LIST

<input type="checkbox"/>	Configure	IP Address	Remarks
<input type="checkbox"/>	Edit	192.168.25.201	test

Records per page: 20 1-1 of 1 < >

5.7.2.DOMAIN WHITELIST

Allow users to access specific websites before Portal authentication.Click **Hot Spot > White List** to access this page.



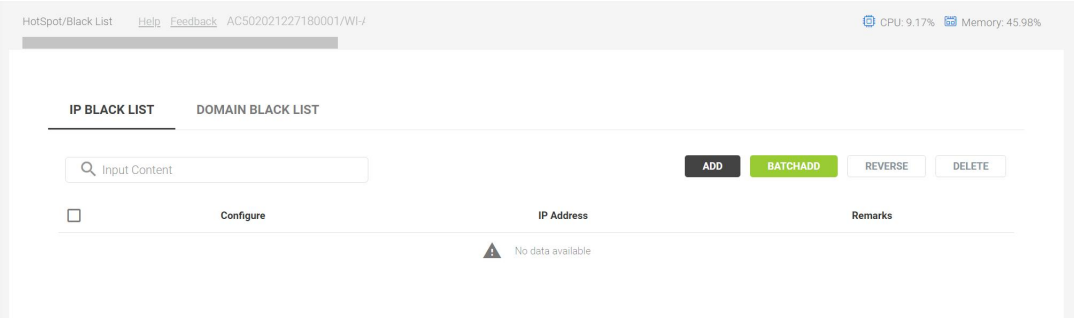
Select **DOMAIN WHITELIST** and click the **Add** button to Add domain.

Description	<input type="text" value="Input Description"/>
Domain	<input type="text" value="eg: www.example.com"/> Add
	<input type="checkbox"/> <input type="text" value="www.wireless-tek.com"/> Remove
<div style="border: 1px solid #ccc; height: 100px;"></div>	
<input type="button" value="CONFIRM"/> <input type="button" value="CANCEL"/>	

Click **CONFIRM** to add the IP address into rule.

5.8. Black List

Black List block some specified IP or domain name to access the network resources without authentication. Click **Hot Spot > Black List** to access this page.



5.8.1. IP WHITELIST

Block specific user's IP address to access the Internet without Portal authentication.

Select **IP WHITELIST** and click the **Add** button to add an IP address.

IP BLACK LIST **DOMAIN BLACK LIST**

 ADD **BATCHADD** REVERSE DELETE

<input type="checkbox"/>	Configure	IP Address	Remarks
⚠ No data available			

Description:

Host IP: [Add](#)

<input type="checkbox"/>		192.168.25.201	Remove
--------------------------	--	----------------	------------------------

CONFIRM CANCEL

Click **CONFIRM** to add the IP address into rule.

IP BLACK LIST **DOMAIN BLACK LIST**

 ADD **BATCHADD** REVERSE DELETE

<input type="checkbox"/>	Configure	IP Address	Remarks
<input type="checkbox"/>	Edit	192.168.25.201	

Records per page: 20 1-1 of 1 < >

5.8.2.DOMAIN WHITELIST

Block users to access specific websites before Portal authentication.

Dashboard Network Status HotSpot

- Local Portal
- Billing Plan
- Local Users
- Vouchers
- RADIUS Server
- SMS Gateway
- White List
- Black List**

HotSpot/Black List [Help](#) [Feedback](#) AC502021227180001/WI-7 CPU: 9.19% Memory: 46.05%

IP BLACK LIST **DOMAIN BLACK LIST**

 ADD **BATCHADD** REVERSE DELETE

<input type="checkbox"/>	Configure	Domain	Remarks
⚠ No data available			

Select **DOMAIN WHITELIST** and click the **Add** button to Add domain.

Description	<input type="text" value="Input Description"/>						
Domain	<input type="text" value="eg: www.example.com"/> Add						
	<table border="1"><tr><td><input type="checkbox"/></td><td>www.wireless-tek.com</td><td>Remove</td></tr><tr><td colspan="3" style="height: 100px;"></td></tr></table>	<input type="checkbox"/>	www.wireless-tek.com	Remove			
<input type="checkbox"/>	www.wireless-tek.com	Remove					

Click **CONFIRM** to add the IP address into rule.

-END-

6. Wireless

6.1. Overview

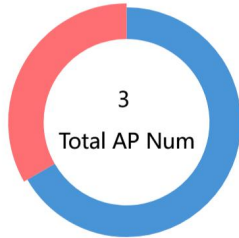
Global Config

Access Controller	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
AC-AP Time Sync	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
AP Auto Upgrade	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
AP Scheduled Reboot	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <small>The device will not restart again if it runs for less than one hour</small>
AC Scheduled Reboot	<input type="radio"/> Enable <input checked="" type="radio"/> Disable <small>The device will not restart again if it runs for less than one hour</small>
Wireless Optimization	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
AP Watchdog	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Country For All AP	<input type="text" value="China"/> <input type="button" value="CONFIRM"/>

Parameter	Describe
Access Controller	Enabled by default, If this option is disabled, the Access Controller function will be turned off.
AC-AP Time Sync	Select time type.
AP Scheduled Reboot	Disabled by default, If this option is enabled, you can periodically reboot all APs in the network as needed.
AC Scheduled Reboot	Disabled by default, If this option is enabled, you can periodically reboot AC in the network as needed.
Wireless Optimization	Disabled by default, If this option is disabled, the wireless Optimization function will be turned off. Note: Using this function, when all the channels of the AP are set to be automatic, when there is no client connected to the AP, the AC will automatically optimize the channel.
AP Watchdog	Disabled by default, If this option is enabled, when the Address Do not Alive, AP will Open Rescue Network Automatically (SSID: RESCUE_99_XXXX, Password: 99999999)
Country For All AP	Select the corresponding country from the drop-down menu.

A visual pie chart shows the number of managed APs, with blue indicating normal and red indicating abnormal. And record the traffic of the top 5 APs.

AP Status



Normal 2 Abnormal 1

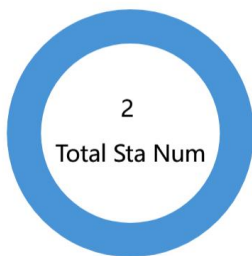
TOP5 AP of Load

All Groups

MAC Of AP	Hostname	Client Num	Total Flow(MB)
44:d1:fa:89:b5:62	AP415	1	19.291 MB
44:d1:fa:c5:40:35	AP217	0	1.708 GB
54:3d:92:02:41:fa	AP217-Lite	0	4.074 MB

A visual pie chart shows the number of managed wireless clients, with blue for normal and red for abnormal. And record the duration of the top 5 wireless clients connecting to the AP.

Device Status



2.4GHz 2 5GHz 0

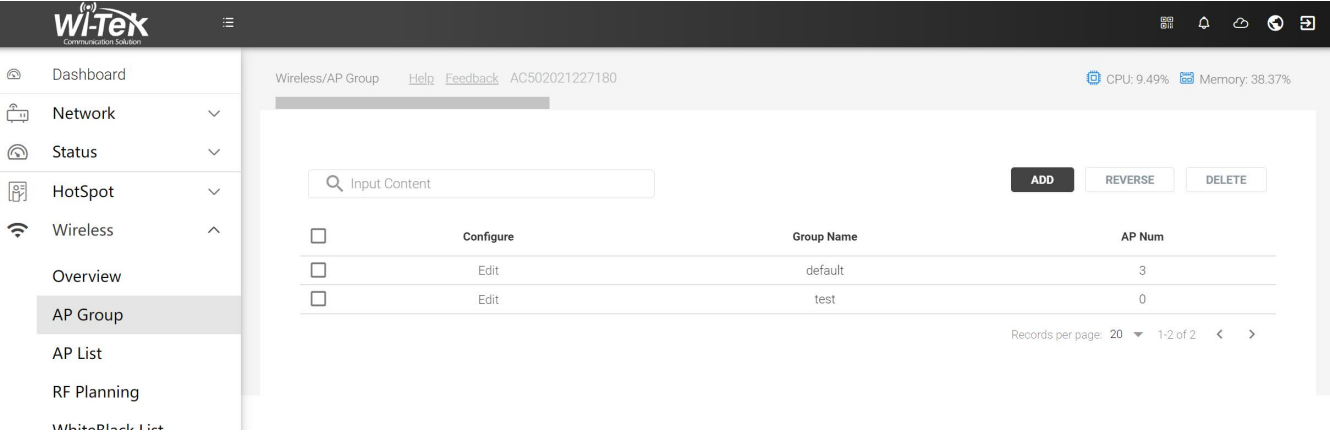
Online Devices TOP5

All Groups

Device MAC	Associated AP	Hostname	Uptime	St
d8:9b:3b:05:84:02	AP415001209020155	*	32Minutes 12Seconds	AC:
56:f1:c4:eb:cc:a6	AP415001209020155	*	13Minutes 29Seconds	AC:

6.2. AP Group

The wireless parameters of APs can be synchronized in batches through AP groups. An AP can belong to one AP group at a time. Click **Wireless > AP Group** to access this page.



6.2.1.Add/Edit AP Group

Click Add an ap group and click the Edit button in the **Wireless > AP Group** table to display this page.

Group Name

2.4GHz 5GHz Other Configuration

Wireless Template Configuration

[Add](#)

1

SSID

Encryption

Advance Features Isolate Hidden

MAX Num of User

AuthType

VLAN BINDING [Delete](#)

Advanced ^

Channel

Roaming Threshold

U-APSD Enable
U-APSD is a new energy-saving processing mode, which can enhance the terminal energy-saving capacity. However, due to the problems in supporting U-APSD functions in some terminals, it is necessary to turn off U-APSD functions in this case.

FILS Support Enable
Support 802.11ai, fast initial link setup, Reduce the waiting time for networking to less than 100 ms

802.11kvr Roaming Enable
Enable Fast Roaming between access points in the group. Note that it is only valid in encrypted cases

RTS Threshold
Resolve wireless data conflicts. When the data length exceeds this value, the wireless access point needs to send the RTS signal to the station, then receive the feedback from the station, before sending the data

Signal

Channel Bandwidth

5GHz First Enable
Note: When the Configuration of 2.4GHz and 5GHz is the same, WiFi User will preferentially connect to 5GHz WiFi

WMM Enable

GBK SSID Enable
Enable GBK can solve the problem that some station (computers, etc.) do not display wireless ssid property

WhiteBlack List

CONFIRM **GO BACK**

Parameter	Describe
Group Name	Specify a name for the group.
SSID	Enter an SSID name contains up to 32 characters. Note: A maximum of 8 SSID profiles can be created in each AP group.
Encryption	Select the security mode of the wireless network WPA-Enterprise / WPA2-Enterprise
KEY	Enter the password for the SSID.
Advance Features	Isolate: Check this option box, wireless clients connected to the same SSID cannot access each other. Hidden: Check this option box, the AP will not broadcast the SSID and wireless clients will not be able to scan and search for the SSID.
MAX Num of User	Number of users connected to this SSID.
AuthType	It is associated with authentication. The default is none.
VLAN BINDING	Enter a VLAN ID for the wireless VLAN. Wireless networks with the same VLAN ID are grouped to a VLAN.
delete	Delete wireless parameter profile.

Advanced

Channel	Automatic by default,you can manually specify the channel. The range of available channels is determined by the radio mode and the country setting. If you select Auto for the channel setting, the AP scans available channels and selects a channel where the least amount of traffic is detected.
Roaming Threshold	minimum signal level required for a client to remain connected.
U-APSD	Enabled by default, U-APSD is a new energy-saving processing mode, which can enhance the terminal energy-saving capacity. However, due to the problems in supporting U-APSD functions in some terminals, it is necessary to turn off U-APSD functions in this case.

FILS Support	Enabled by default, supports 802.11ai, fast initial link setup, Reduce the waiting time for networking to less than 100 ms
802.11kvr Roaming	Enable Fast Roaming between access points in the group. Note that it is only valid in encrypted cases.
RTS Threshold	Resolve wireless data conflicts. When the data length exceeds this value, the wireless access point needs to send the RTS signal to the station, then receive the feedback from the station, before sending the data
Signal	Select the corresponding value according to the actual transmit power of the AP.
Channel Bandwidth	Select the wireless channel bandwidth.
5GHz First	Enabled by default, when the Configuration of 2.4GHz and 5GHz is the same, Wi-Fi User will preferentially connect to 5GHz Wi-Fi.
WMM	Enabled by default, the AP maintains the priority of audio and video packets for better media performance.
GBK SSID	Enable GBK can solve the problem that some station (computers, etc.) do not display wireless ssid property
WhiteBlack List	Select the created black/white list from the drop-down menu.

WiFi Schedule


You can set the radio in the AP group to run at a specified time. Click **Wireless > AP Group > Other Configuration** to access this page.


2.4GHz 5GHz **Other Configuration**

Basic Configuration

WiFi Schedule Enable

Repeat Monday Tuesday Wednesday
 Thursday Friday Saturday
 Sunday

Start Time 

Stop Time 

CONFIRM

CANCEL

6.3. AP List

By default, devices are displayed in a spread out form **OVERVIEW**.

Click **Wireless > AP List** to access this page.

The screenshot shows the Wi-Tek AP Controller interface. The left sidebar contains a navigation menu with options like Dashboard, Network, Status, HotSpot, Wireless, Overview, AP Group, AP List, RF Planning, WhiteBlack List, Firmware, Network Topology, CPE Management, and Management. The main content area is titled 'Wireless/AP List' and shows a table of APs. The table has columns for Model, Online State, Device Name, IP Protocol, Manager, Apmode, IP Address, MAC Address, Uptime, AP Group, and Last Updated. Two APs are listed: Wi-AP217-Lite and Wi-AP217. The interface also includes a search bar, a navigation menu on the left, and various action buttons at the top.

Model	Online State	Device Name	IP Protocol	Manager	Apmode	IP Address	MAC Address	Uptime	AP Group	Last Updated
Wi-AP217-Lite	Online	AP217-Lite	dhcp	Local Admin	FIT_AP	192.168.25.132	54:3d:92:02:41:fa	1Day 2h48m	default	2022-9-28 17:07
Wi-AP217	Online	AP217	dhcp	Local Admin	FIT_AP	192.168.25.137	44:d1:fa:c5:40:35	1Day 2h47m	default	2022-9-28 17:07

Records per page: 20 1-2 of 2

Tips:
 Any AP that is assigned to a group can be configured independently. These settings will take a higher priority over the group settings.
 Any Batch configuration will override any other configuration on ALL selected APs
 Unbinding any APs will remove any independent configurations from them.

Parameter	Describe
AUTO REFRESHING	Click to automatically refresh the AP list.
REVERSE	Select all APs and click REVERSE to quickly deselect AP.
RESTART AP	Select an AP and click it to restart the AP.
BIND	Select the AP and bind it to the specified AP group.
UNBIND	Select the AP to unbind it from the AP group.
NETWORK CONFIG	Select AP to set IP address
SET TXPOWER	Select AP to set TX power.
SET CHANNEL	Select AP to set bandwidth.
SET BANDWIDTH	Select AP to set bandwidth.
SET AC ADDRESS	Select AP to manually set AC address for AP.
EXPORT AP INFO	Select AP to export AP information
UPGRADE	Select AP to upgrade the firmware. * It needs to be matched with 6.6 Firmware
SYNC LOGIN PASSWORD	Select AP and click it to synchronize the same password as AC
REFRESH	Click it to refresh the AP list.

OVERVIEW: Display the most basic parameters of AP.

Model	Online State	Device Name	IP Protocol	Manager	Apmode	IP Address	MAC Address	Uptime	AP Group	Last Updated
WI-AP317	Offline	AP317	dhcp	Local Admin	FIT_AP	192.168.25.184	44:d1:fa:a3:7d:c9	1Day 1h17m	-	2022-9-29 11:30
WI-AP217-Lite	Online	AP217-Lite	dhcp	Local Admin	FIT_AP	192.168.25.132	54:3d:92:02:41:fa	0Day 2h16m	-	2022-9-29 11:30
WI-AP217	Online	AP217	dhcp	Local Admin	FIT_AP	192.168.25.137	44:d1:fa:c5:40:35	0Day 2h17m	default	2022-9-29 11:30

Records per page: 20 1-3 of 3

WiFi VIEW: Display parameters related to wireless.

Model	Online State	AP Group	WiFi User	Channel	Txpower	Upload Flow	Download Flow	Device Name	MAC Address
WI-AP317	Offline	-	0/ 1	9/ 56	26/ 26	33.851 MB	290.285 MB	AP317	44:d1:fa:a3:7d:c9
WI-AP217-Lite	Online	-	0/ 1	1/ 44	23/ 26	885.517 MB	2.138 GB	AP217-Lite	54:3d:92:02:41:fa
WI-AP217	Online	default	0/ 0	2/ 40	24/ 23	874.167 KB	10.092 MB	AP217	44:d1:fa:c5:40:35

Records per page: 20 1-3 of 3

DETAILS VIEW: Display the most comprehensive parameters of AP.

Model	Online State	Device Name	SN	IP Protocol	IP Address	MAC Address	Uptime	AP Group	WiFi User	CPU Usage	Channel	Txpower	Upload Flow
WI-AP317	Offline	AP317	AP317EN2109250003	dhcp	192.168.25.184	44:d1:fa:a3:7d:c9	1Day 1h17m	-	0/ 1	7%	9/ 56	26/ 26	33.851 M
WI-AP217-Lite	Online	AP217-Lite	AP217L22207EN0303	dhcp	192.168.25.132	54:3d:92:02:41:fa	0Day 2h16m	-	0/ 1	7%	1/ 44	23/ 26	885.517 M
WI-AP217	Online	AP217	AP217EN2109250082	dhcp	192.168.25.137	44:d1:fa:c5:40:35	0Day 2h17m	default	0/ 0	7%	2/ 40	24/ 23	874.167 K

6.4. RF Planning

The purpose of this function is to assist in the rapid optimization of the wireless channel. Analyze and calculate the busyness of the channel according to the scanning situation, and choose the lower one first. Click **Wireless > RF Planning** to access this page.

Wireless/RF Planning

2.4G AP:0 Dual-Band AP:3 Offline Device:0

INIT CHANNELS START SCAN SAVE RESULT

Configure	SN	Online State	Plan Status	MAC Address	2.4G Channel	5G Channel	2.4G Noise	5G Noise	2.4G Interference	5G Interference
View	AP317EN2109250003	Online	Init Channels OK	44:d1:fa:a3:7d:c9	1	161	-95	-95	-	-
View	AP217L22207EN0303	Online	Init Channels OK	54:3d:92:02:41:fa	1	44	-95	-95	-	-
View	AP217EN2109250082	Online	Init Channels OK	44:d1:fa:c5:40:35	11	48	-95	-95	-	-

Records per page: 20 1-3 of 3

Tips:
Note: An AP must be bound to a group before it can be managed by the Controller.
Each AP takes about 5 to 15 seconds to scan, this may cause users to lose connection and go offline.

Parameter	Describe
INIT CHANNELS	Click it to assign channels based on APs within the group.
START SCAN	Click it to automatically scan the Wi-Fi interference sources around the AP.
SAVE RESULT	After scanning, you need to click it to save the result.

Click **View** to view the surrounding Wi-Fi signals.

CLOSE				
SSID	MAC Address	Band	Signal	Channel
TP-LINK_5G_D6D6	F4:6D:2F:77:D6:D6	5G	-83	44
ChinaNet-asfZ-5G	30:3F:7B:51:E3:71	5G	-56	161
CPE511-KIT	B0:96:6C:2C:30:91	5G	-75	149
TLF	B0:AC:D2:0B:CF:D1	5G	-78	149
Wi-Tek-FQ	20:76:93:54:23:6C	5G	-60	149
YunZhong-5G	44:D1:FA:B1:A3:05	5G	-82	52
WI-TEK-402	44:D1:FA:B2:62:94	5G	-48	52
AP218_10	44:D1:FA:BC:10:D9	5G	-73	48
	44:D1:FA:C4:A5:93	5G	-83	40
	76:D6:CB:65:02:CF	5G	-69	36
AP717MP	8A:12:4C:B0:1D:72	5G	-68	36
	88:12:4C:B0:1D:72	5G	-69	36
AP717MP	8A:12:4C:B0:14:2A	5G	-20	36
	88:12:4C:B0:14:2A	5G	-20	36
TRF-5G	76:D6:CB:75:02:CF	5G	-69	36
	56:3D:92:01:FE:CE	5G	-71	149
AC50 V2-test	54:3D:92:02:41:FB	5G	-67	60
DIRECT-14-HP Laser 178nw	06:0E:3C:86:53:14	2.4G	-88	6
YunZhong-2.4G	44:D1:FA:B1:A3:04	2.4G	-84	11
	74:D6:CB:95:02:CF	2.4G	-73	13

Records per page: 20 ▼ 1-20 of 30 < >

Note:

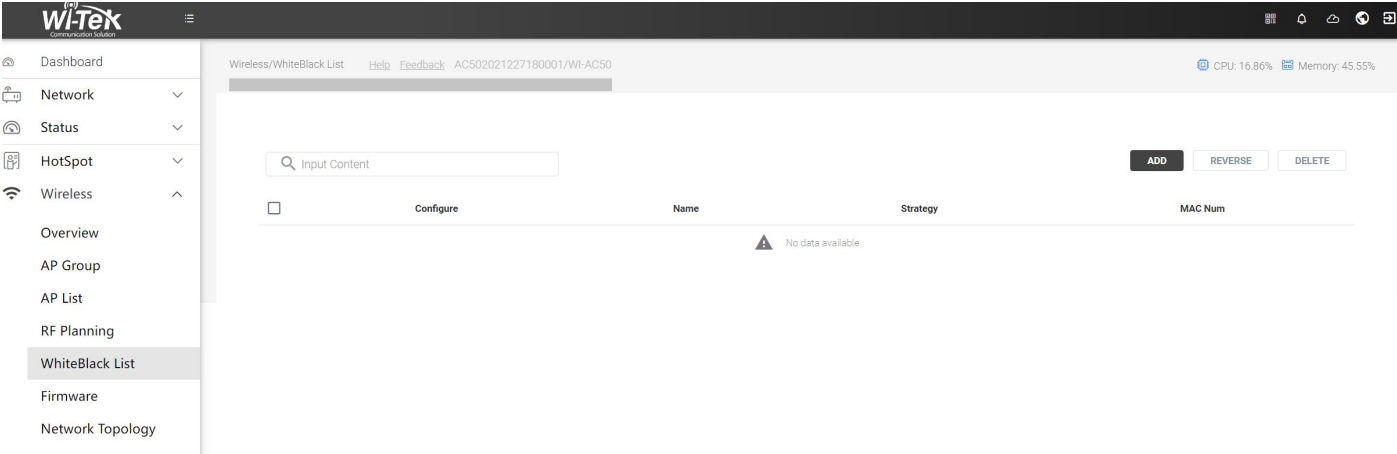
- An AP must be bound to a group before it can be managed by the Controller.
- Each AP takes about 5 to 15 seconds to scan, this may cause users to lose connection and go offline.

6.5. White/Black List

White/Black List can be used to allow or block the listed clients to access the network. The rebly it can effectively control the client's access to the wireless network.

Whitelist: Only allow wireless clients in the list to connect to Wi-Fi. **Blacklist:** Except for the wireless clients in the blacklist, other wireless clients can connect to Wi-Fi.

Click **Wireless > White Black List** to access this page.



6.5.1. Whitelist:

Name

Strategy Black List White List

MAC List

6.5.2.Blacklist

Name

Strategy Black List White List

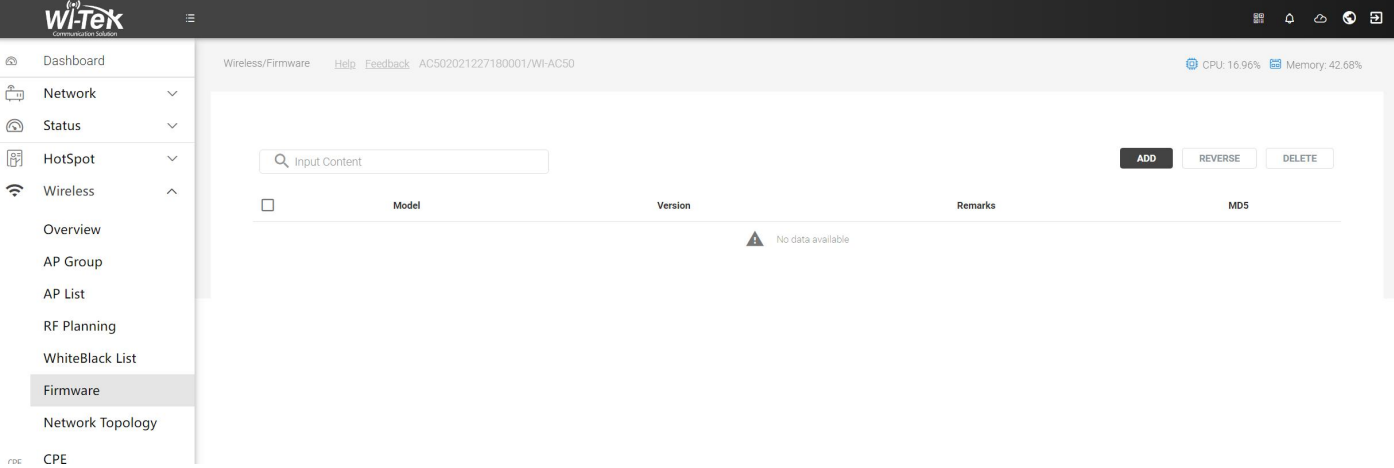
MAC List

56:f1:c4:eb:cc:a6

Note:
one MAC record takes up one line. It can be added with a note after it, separated by a space, or it can be added with no note.
e.g, AA:00:00:00:00:01 cleint1
e.g, AA:00:00:00:00:02

6.6. Firmware

If AC manages multiple APs, you can use this function when you want to upgrade the APs in batches. Click **Wireless > Firmware** to access this page.



Click **ADD** button to upload the firmware file from a local disk.

Model: WI-AP217

Version: v4.3.build20220919-1922-f87d958

Remarks: v4.3.build20220919-1922-f87d958

Firmware: 1 (10.4 MB)

File: WiTek-v4.3.build20220919-1922-f87d958-ar71xx-generic-A782-squashfs-sysupgrade.web.bin (10.4 MB) 0%

Buttons: CONFIRM, CANCEL

Upload succeeded.

Search: Input Content [ADD] [REVERSE] [DELETE]

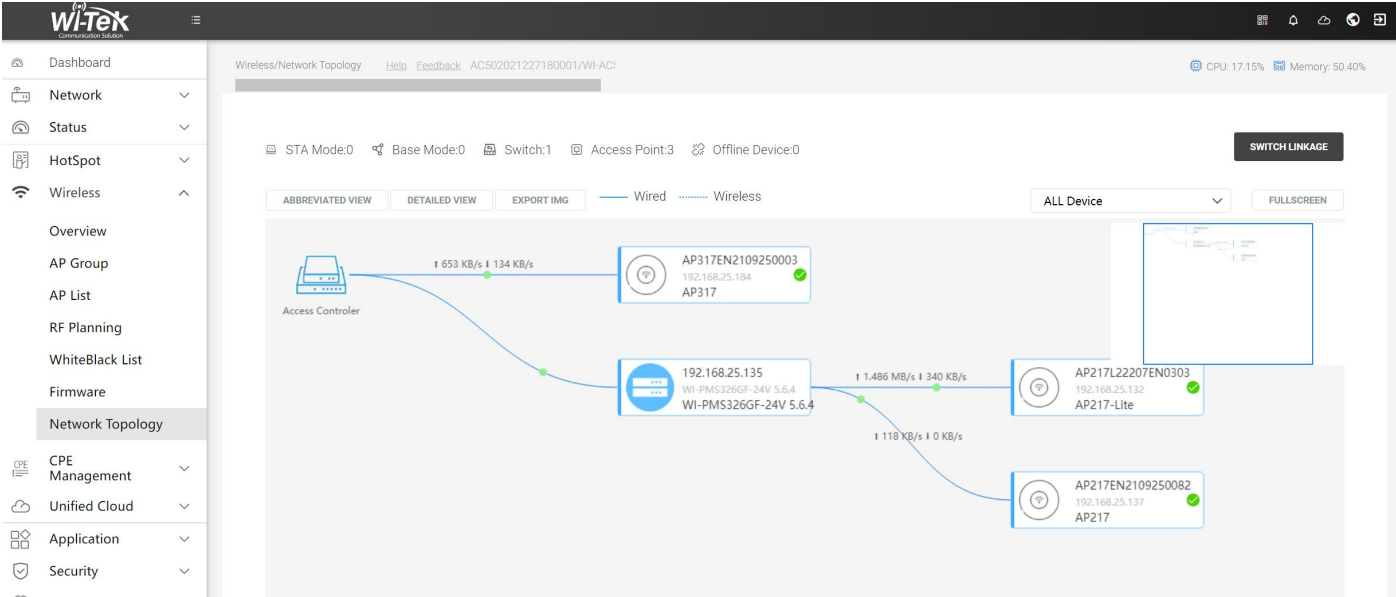
Model	Version	Remarks	MD5
<input type="checkbox"/> WI-AP217	v4.3.build20220919-1922-f87d958	v4.3.build20220919-1922-f87d958	c3710fa62798eb7417fe637e7f1c08e3

Records per page: 20 1-1 of 1

Then go back to the **AP group** option, select the check box to access the point group from the list, and click Upgrade.

6.7. Network Topology

With this feature, if you have AP and Switch deployed in your network, you will be able to see a visual view of the topology of all supported devices in the network. Click **Wireless > Network Topology** to access this page.



Parameter	Describe
ABBREVIATED VIEW	Click it to display only the devices managed by AC.
DETAILED VIEW	Click it to display which AP is connected to the wireless client
EXPORT IMG	Click it to export the topology map as an image

Note: Only supports simple topology display.

If you click the AP on the topology diagram, the following interface will pop up, and manual ly adjust the uplink device of the AP.



7. CPE Management

7.1. CPE Global Configuration

Using this function, once the wireless CPE is managed by AC50, the following configuration information will be automatically synchronized.

Click **CPE Management > CPE CPE Global Configuration** to access this page.

Select **Roaming Scenario** option, and the following content pops up.

RTS/CTS Threshold	<input type="text" value="2347"/>
Min Sta Signal(dBm)	<input type="text" value="-95"/>
Distance(KM)	<input type="text" value="Auto Distance"/>

Parameter	Describe
CPE Scheduled Reboot	Disabled by default, If this option is enabled, you can periodically reboot all CPE in the network as needed.
Wireless Optimization	Enable by default, it automatically optimize wireless CPE.
Transport Scenario	Select the scenario according to the actual application.
RTS/CTS Threshold	Keep the default value: 2347.
Ms Sta Signal(dBm)	Number of minimum received and transmitted signals between CPEs.
Distance(KM)	Select the corresponding value according to the actual transmission distance of the CPE.

7.2. CPE List

Using this function, multiple groups of CPEs in the network can be centralized.

For the explanation of CPE List parameters, refer to 6.3 AP List.

Click **CPE Management > CPE List** to access this page.

CPE Management/CPE List Help Feedback AC502C

CPU: 10.55% Memory: 44.86%

Input Content

AUTO REFRESH STOPPED OVERVIEW REVERSE SET CHANNEL SET TXPOWER RESTART CPE DELETE CPE EXPORT CPE INFO

SYNC LOGIN PASSWORD REFRESH

<input type="checkbox"/>	Model	Mode	Group	Online State	Device Name	IP Address	MAC Address	Uptime
<input type="checkbox"/>	WI-CPE513P-KIT	Base Mode	Group 1	Online	WI-TEK-CPE	192.168.25.220	44:d1:fac4:b2:e6	0Day 0h20m
<input type="checkbox"/>	WI-CPE513P-KIT	STA Mode	Group 1	Online	WI-TEK-CPE	192.168.25.140	44:d1:fac4:af:5f	0Day 0h14m

Records per page: 20 1-2 of 2

Tips:
 Devices with different country codes can not configure channels at the same time. Devices with different working frequency bands can not configure channels at the same time
 CPE Configurations will be applied immediately, and will not be saved in AC device after applying.

Note:

- Only available for CPE that supports cloud management.
- Devices with different country codes can not configure channels at the same time. Devices with different working frequency bands can not configure channels at the same time
- CPE Configurations will be applied immediately, and will not be saved in AC device after applying.

8. Unified Cloud

You can bind your device to the cloud platform.

For Cloud1.0: <http://cloud.wireless-tek.com/>

Login the Unified Cloud Control Platform -> Obtain the Binding Code -> Input the Binding Code and Note Name On Device -> Save and complete the binding;

For Cloud2.0: <http://cloud2.wireless-tek.com> (**Recommend**)

Login the Unified Cloud Control Platform -> Add Group -> Add NetWork --> Add Device -> Input the Serial Number -> Save and complete the binding;

Click **Unified Cloud** to access this page.

The screenshot shows the Wi-Tex Unified Cloud control platform interface. The left sidebar contains a navigation menu with the following items: Dashboard, Network, Status, HotSpot, Wireless, CPE Management, Unified Cloud (highlighted), and Application. The main content area displays the configuration page for a device. The page title is 'Unified Cloud/Unified Cloud' with links for 'Help' and 'Feedback', and a user identifier 'AC502021227180001/WI-AC'. The configuration fields are as follows:

Serial Number	AC502021227180001
Binding Code	<input type="text" value="Input Binding Code"/>
Longitude	<input type="text" value="Input Longitude"/>
Latitude	<input type="text" value="Input Latitude"/>
Description	<input type="text" value="WI-AC50"/>

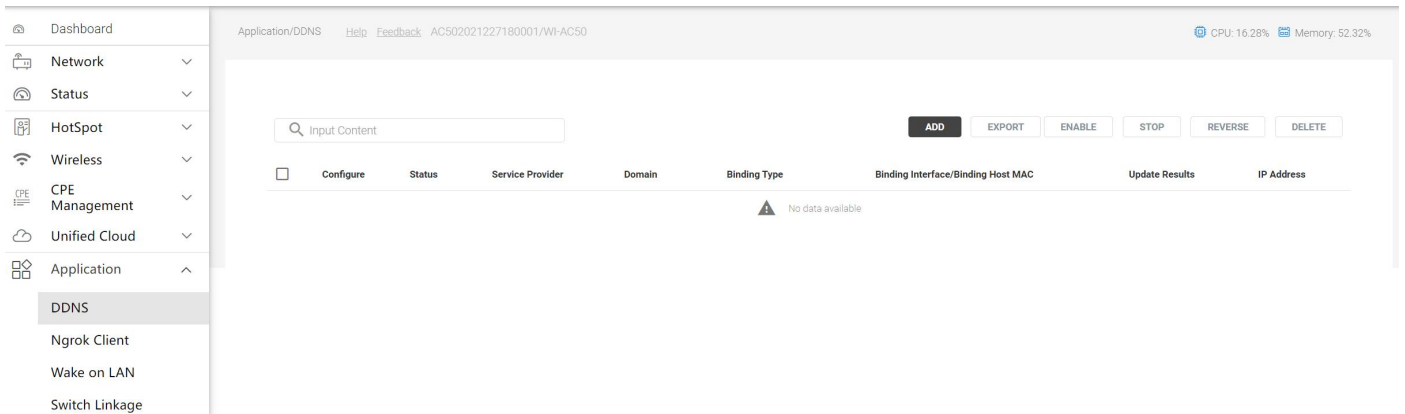
At the bottom of the form is a **CONFIRM** button.

Note: We are continuously optimizing the Cloud 2.0 platform, and we recommend that user transition from the cloud1.0 platform to cloud 2.0. [Quick Setting Guide for Cloud 2.0](#)

9. Application

9.1. DDNS

Click **Application** > > **DDNS** to access this page.



Click the **Add** button to fill in the DDNS entry.

Service Provider	<input type="text" value="ALIBABA DNS"/>	
Enable	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Domain	<input type="text" value="www.aliyun.com"/>	*
AppKey(Access Key ID)	<input type="text" value="Input Account"/>	*
Password	<input type="text" value="Input Password"/>	*
Protocol	<input type="radio"/> IPv4 <input checked="" type="radio"/> IPv6	
Binding Type	<input type="radio"/> Interface <input checked="" type="radio"/> MAC Address	
Binding Host MAC	<input type="text" value="Input MAC Address"/>	*

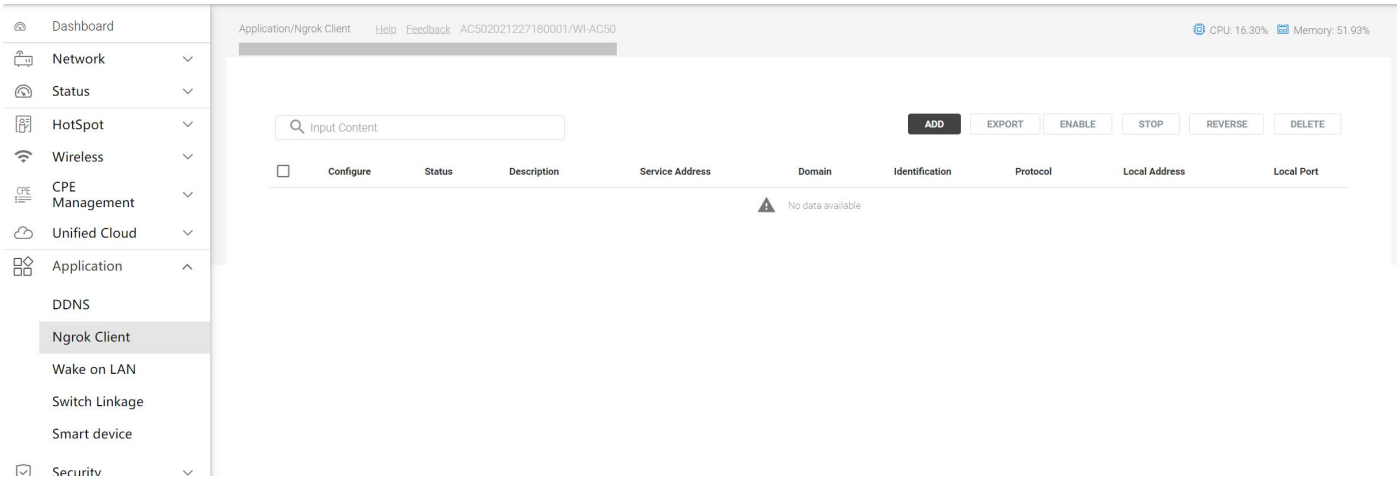
Service Provider	<input type="text" value="ALIBABA DNS"/>	
Enable	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Domain	<input type="text" value="www.aliyun.com"/>	*
AppKey(Access Key ID)	<input type="text" value="Input Account"/>	*
Password	<input type="text" value="Input Password"/>	*
Protocol	<input type="radio"/> IPv4 <input checked="" type="radio"/> IPv6	
Binding Type	<input checked="" type="radio"/> Interface <input type="radio"/> MAC Address	
Binding Interface	<input type="text" value="ANY"/>	*

Parameter	Describe
Service Provider	Select the service providers, including Alibaba DNS, dynv6.com, dyndns.org, Oray.net, 3322.org.
Enable	Enable or disable DNS entries.
Domain	Input Domain
AppKey	Get the secret key from the service provider.
Password	Enter the password from the service provider.
Protocol	Select IPV4 or IPV6.
Binding Type	Select interface or MAC.
Binding Host MAC	Enter the MAC mapping the intranet device.
Binding Interface	Enter the MAC mapping the intranet interface.

9.2. Ngrok Client

ngrok is a reverse proxy that establishes a secure channel between a public endpoint and a locally running web server. It needs to be connected to the ngrok server to use it.

Click **Application > Ngrok Client** to access this page.

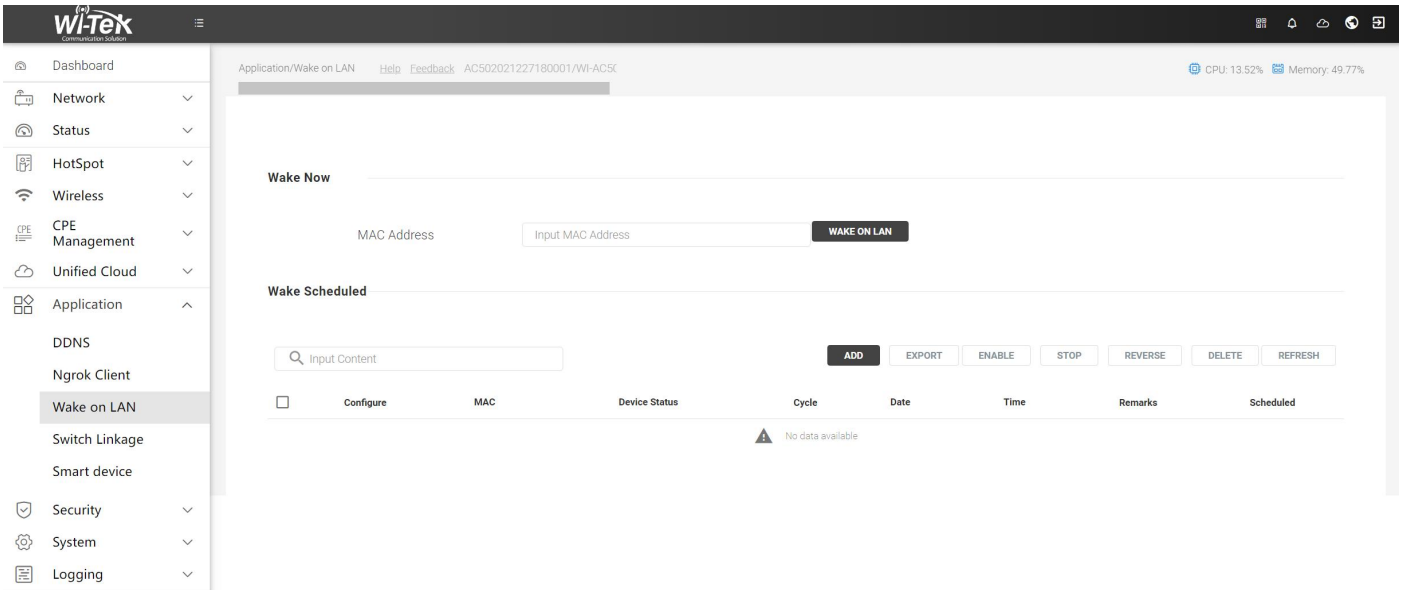


Click the **Add** button to fill in the Ngrok Client.

Description	<input type="text" value="Input Description"/>
Enable	<input checked="" type="radio"/> Yes <input type="radio"/> No
Service Address	<input type="text" value="server.natappfree.cc"/>
Server Port	<input type="text" value="default: 4443"/>
Token	<input type="text" value="Input The unique Token provided by the server"/>
User Domain	<input type="text" value="Input User Domain"/>
Protocol	<input type="text" value="HTTP"/>
Local Address	<input type="text" value="Input Local Address"/>
Local Port	<input type="text" value="Input Local Port"/>

9.3. Wake on LAN

Wake-on-LAN (WoL) is an Ethernet or Token ring computer networking standard that allows a computer to be turned on or awakened by a network message. The message is usually sent by a program executed on another computer on the same local area network. It is also possible to initiate the message from another network by using subnet directed broadcasts or a WOL gateway service. Click **Application > Wake on LAN** to access this page.



9.3.1. Wake Now

Wake Now

MAC Address

WAKE ON LAN

Parameter	Describe
MAC Address	Enter the MAC address, such as 54: AB: 3A: 59:95:69.
WAKE ON LAN	After entering the MAC address, tap it to wake up immediately.

9.3.2.Wake Scheduled

Wake Scheduled

Input Content

ADD EXPORT ENABLE STOP REVERSE DELETE REFRESH

Configure MAC Device Status Cycle Date Time Remarks Scheduled

No data available

Click the **Add** button to add an entry.

MAC: 54:AB:3A:59:95:69 *

Cycle: Once

Date: 2022-10-14 *

Time: 00:00 *

Remarks: test

CONFIRM CANCEL

Parameter	Describe
MAC	Specify MAC Address
Cycle	Specify cycle (Once / Daily / Weekly / Monthly).
Date	Specify date.
Time	Specify time range.
Remarks	Specify input comments.

9.4. Switch Linkage

Use this function to manage switches that support the SNMP protocol through the AC, and only support reading simple port information.

Application/Switch Linkage Help Feedback AC502021227180001/WI-AC50 CPU: 13.85% Memory: 46.53%

Input Content QUICK-SCAN SWITCHES ADD EXPORT REVERSE DELETE REFRESH

	Configure	Status	Proxy Access	Description	Model	Hostname	MAC Address	Switch Address	PoE Max Power(W)	PoE Allocated Power(mW)
<input type="checkbox"/>	Edit View/Configure	Online	Click View	PoE Switch	WI-PMS326GF-24V 5.6.4	WI-PMS326GF-24V 5.6.4	00:28:24:11:F7:6D	192.168.25.135	-	-

Records per page: 20 1-1 of 1

9.5. Smart device

With this feature, the AC50 can automatically discover devices with Onvif in the same subnet, such as IP cameras. After the AC50 is bound to the cloud 2.0 platform, use the EWEB function to remotely access the web interface.

Click **Application > Smart device** to access this page.

Application/Smart device Help Feedback AC502021227180001/WI-AC50 CPU: 15.68% Memory: 50.29%

Input Content SERVICE CONFIG REFRESH

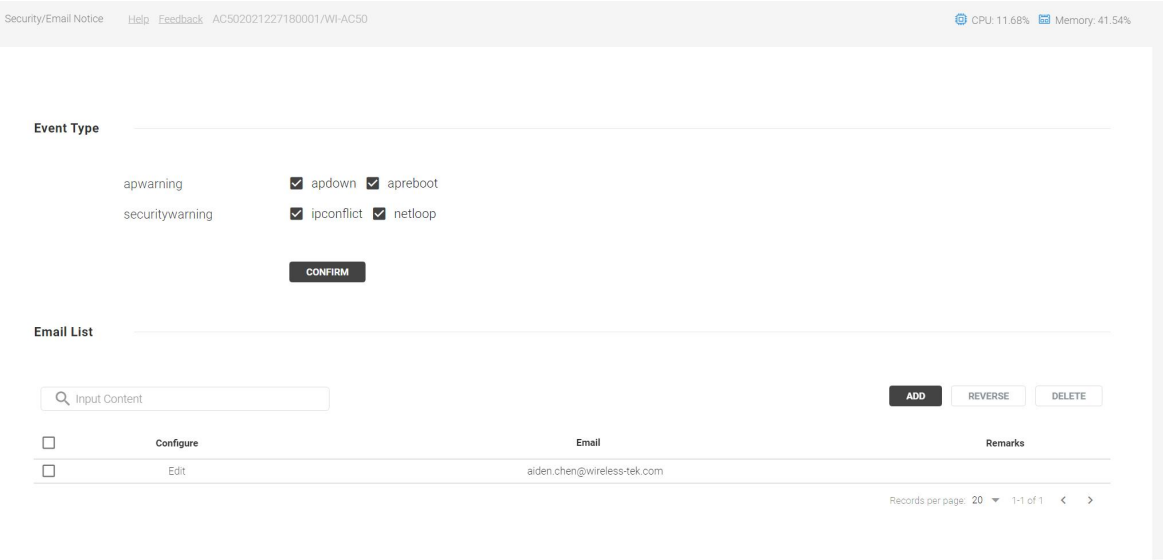
Model	Hostname	IP Address	MAC Address
DS-2CD3T56WD-I3	HIKVISION DS-2CD3T56WD-I3	192.168.1.3	98:8b:0a:27:8c:96

Records per page: 20 1-1 of 1

10. Security

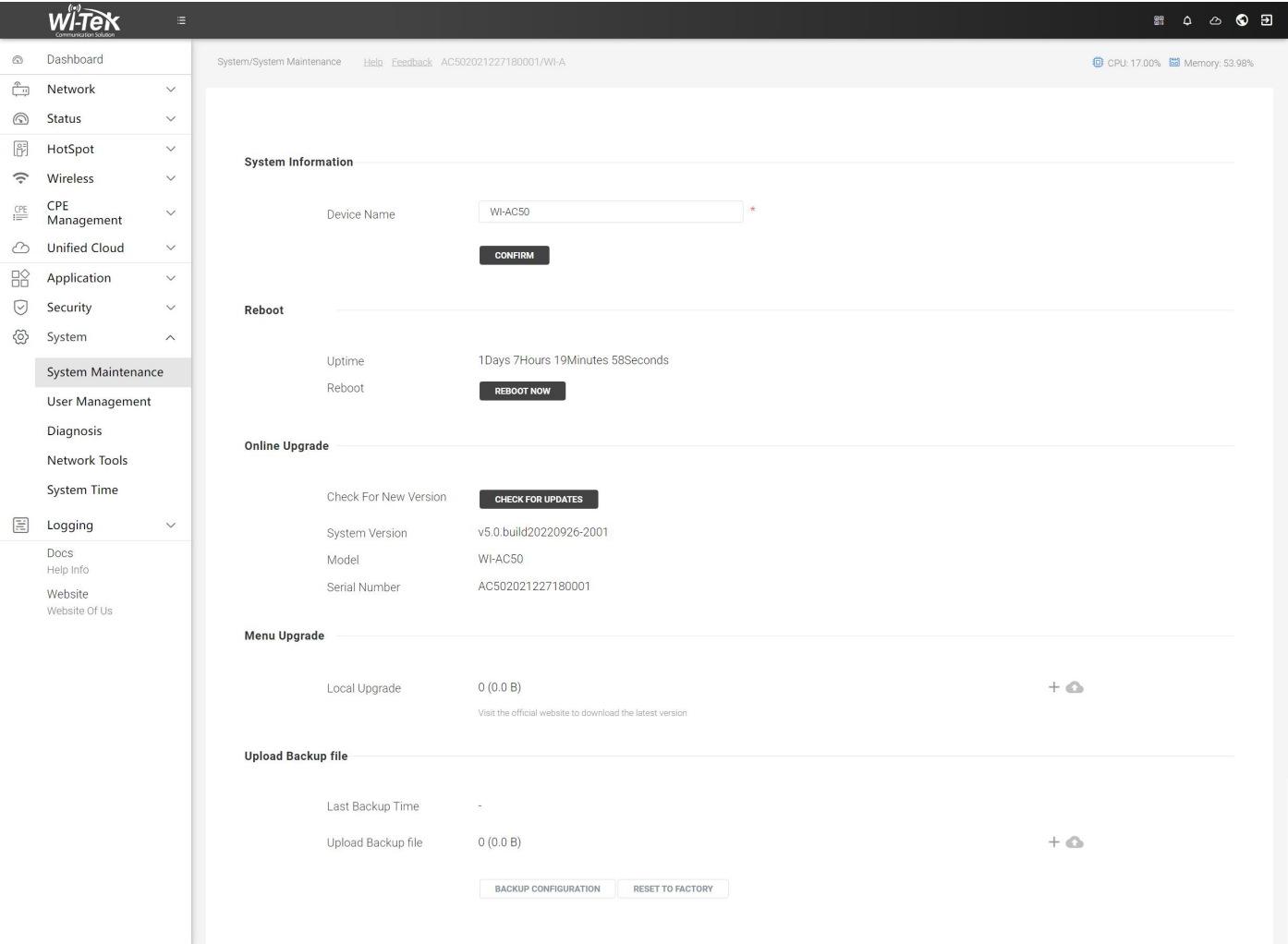
10.1. Email Notice

With this function, when the device has the following 4 states, send an alarm email through the bound mailbox. Click **System > Email Notice** to access this page.



11. System

11.1. System Maintenance



11.1.1. System Information

With this feature, you can modify the default host name of the device. Click **System > System Maintenance** to access this page.

System Information

Device Name *

CONFIRM

11.1.2.Reboot

Using this feature allows you to restart the device.Click **System > System Maintenance** to access this page.

Reboot

Uptime	1Days 23Hours 43Minutes 44Seconds
Reboot	REBOOT NOW

To reboot the AC, click the **REBOOT NOW** button, and the AC will be rebooted automatically. Please wait without any operation.

11.1.3.Online Upgrade

With this function, you can check the updated firmware version online.Click **System > System Maintenance** to access this page.

Online Upgrade

Check For New Version	CHECK FOR UPDATES
System Version	v5.0.build20220926-2001
Model	WI-AC50
Serial Number	AC502021227180001


11.1.4.Menu Upgrade

With this function, you can upgrade the firmware version.Click **System > System Maintenance** to access this page.

Menu Upgrade

Local Upgrade	0 (0.0 B)	+
Visit the official website to download the latest version		

Parameter	Describe
+	Click it to locate and choose the correct firmware file from your host.

	Click it to update the firmware of the AC50. after updated,the AC50 will be rebooted automatically.
---	---

11.1.5. Upload Backup file

With this function, you can import the configuration, import the configuration, and restore the factory configuration. Click **System > System Maintenance** to access this page.

Upload Backup file


Last Backup Time -

Upload Backup file 0 (0.0 B)



BACKUP CONFIGURATION

RESET TO FACTORY

Parameter	Describe
BACKUP CONFIGURATION	Click it and the backup file will be saved to the host automatically
RESET TO FACTORY	Click it and the device will be reset to the factory defaults automatically.
+	Click it and choose the backup file from the host.
	Then click it to restore the configuration.

11.2. User Management

You can use different user account to log in to the AC50. The administration authority varies among different roles. Click **System > User Management** Notice to access this page.

Input Content

ADD ENABLE STOP DELETE

<input type="checkbox"/>	Configure	Status	Username	Privilege Group	Allowed IP
<input type="checkbox"/>	Edit	Enable	admin	System administrator	0.0.0.0/0
<input type="checkbox"/>	Edit	Enable	voucher	Voucher administrator	0.0.0.0/0

Records per page: 20 1-2 of 2

For System administrator.

Username: test *

Password: [masked]

Confirm New Password: [masked]

Allowed IP: 0.0.0.0/0

Single address or network (e.g: 172.16.3.2 or 172.16.3.0/24), separate multiple items by space

User Role: System administrator

Authorization:

<p>Forbidden</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Dashboard ▶ <input checked="" type="checkbox"/> Network ▶ <input checked="" type="checkbox"/> Status ▶ <input checked="" type="checkbox"/> HotSpot ▶ <input checked="" type="checkbox"/> Wireless ▶ <input checked="" type="checkbox"/> CPE Management ▶ <input checked="" type="checkbox"/> Unified Cloud ▶ <input checked="" type="checkbox"/> Application ▶ <input type="checkbox"/> Security ▶ <input type="checkbox"/> System ▶ <input type="checkbox"/> Logging 	<p>Readonly</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dashboard ▶ <input type="checkbox"/> Network ▶ <input type="checkbox"/> Status ▶ <input type="checkbox"/> HotSpot ▶ <input type="checkbox"/> Wireless ▶ <input type="checkbox"/> CPE Management ▶ <input type="checkbox"/> Unified Cloud ▶ <input type="checkbox"/> Application ▶ <input type="checkbox"/> Security ▶ <input type="checkbox"/> System ▶ <input type="checkbox"/> Logging
---	--

CONFIRM CANCEL

For Voucher administrator.

Username: voucher *

Password: Input Password

Confirm New Password: Confirm New Password

Allowed IP: 0.0.0.0/0

Single address or network (e.g: 172.16.3.2 or 172.16.3.0/24), separate multiple items by space

User Role: Voucher administrator

CONFIRM CANCEL

11.3. Diagnosis

Ping and traceroute are both used to test the connectivity between two devices in the network. In addition, ping can show the roundtrip time between the two devices directly and traceroute can show the IP address of routers along the route path.

11.3.1.PING

PING

IP or Domain *

Protocol ▾

Interface ▾

PING Count time

Result

START TESTING

11.3.2.Troucert

Troucert

IP or Domain *

Protocol ▾

Interface ▾

Result

START TESTING

11.4. Network Tools

11.4.1. Telnet

With this feature, you can use telnet to access the command line interface. Click **System > Network Tools > Telnet** to access this page.

Telnet

Telnet IP	<input type="text" value="Input IP or Domain,e.g. 192.168.1.1"/>	*
Telnet Port	<input type="text" value="23"/>	

START

11.5. System Time

Click **System > System Time** to access this page.

System Time	<input type="text" value="2022/10/15 23:40:05"/>	
	Sync System Time	
NTP Service	<input checked="" type="checkbox"/> Enable NTP	
Time Zone	<input type="text" value="Asia/Hong Kong"/>	
Time Server 1	<input type="text" value="0.pool.ntp.org"/>	Sync Now
Time Server 2	<input type="text" value="1.pool.ntp.org"/>	Sync Now
Time Server 3	<input type="text" value="2.pool.ntp.org"/>	Sync Now
Time Server 4	<input type="text" value="3.pool.ntp.org"/>	Sync Now

CONFIRM

Parameter	Describe
System Time	The device is automatically synchronized when connected to the Internet.
NTP Service	The system time is enabled by default.
Time Zone	Select your time zone from the drop-down list.
Time Server	Enter the domain name or IP address of the NTP server.