

Wallystech AP Controller User Manual



www.wallystech.com



Date:2025-1-20

User Manual

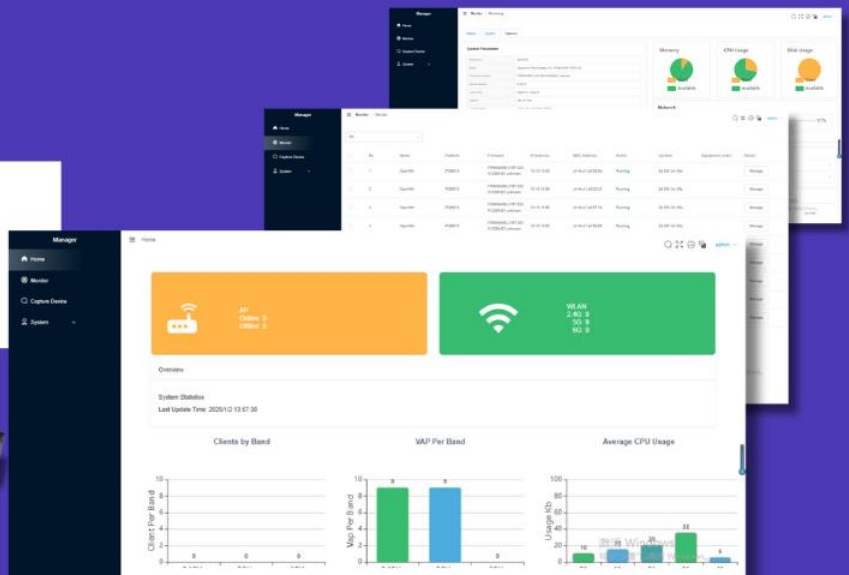
Wallystech AP Controller

Hardware-Based Wired and Wireless Device Network Controller



Industrial AP
Local Controller

Keep It Local,
Keep It Secure



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- Deleting Offline Devices
- Update Equipment Notes
- Importing Witelist
- Execute Command

Section I

Getting Started



This section provides an overview of the Wallys AP Controller software and describes the initial steps required to start using the service.

Chapter 1 | Introduction

Wallys AP Controller Login

The Wallys AP Controller is a hardware-based network solution tailored for efficiently configuring multiple access points through a web browser interface. With its robust scalability, it supports the management of unlimited networks and devices.

By integrating network management and wireless controller functionalities, it allows Wallystech access points (APs) to seamlessly connect and operate as a unified network.

The following devices are supported by Wallys AP Controller:

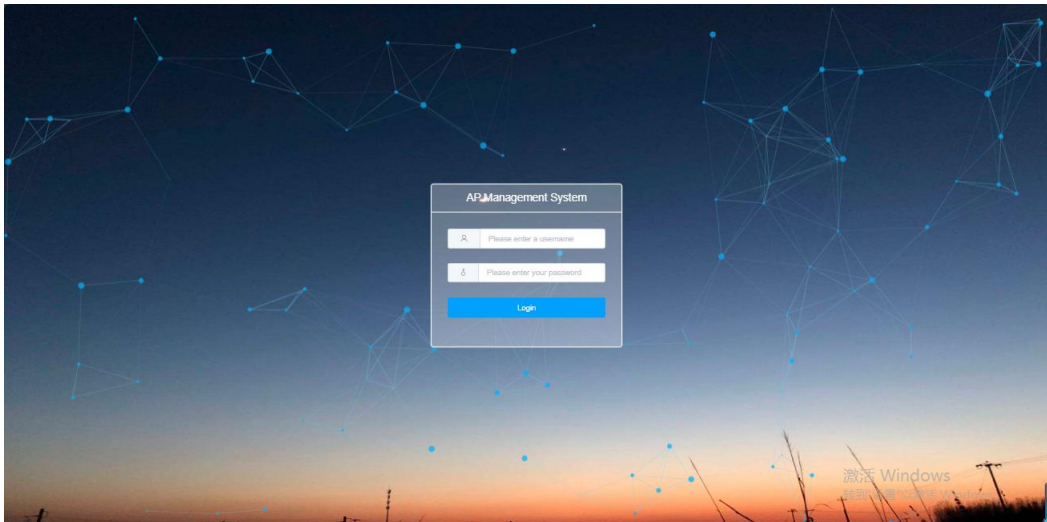
◆ **Wallys APs:** DR5018,DR5018S,DR6018,DR6018S,DR6018C

Wallys AP Controller Login

From a web browser, go to **192.168.1.1** to login.

Default User Name:admin

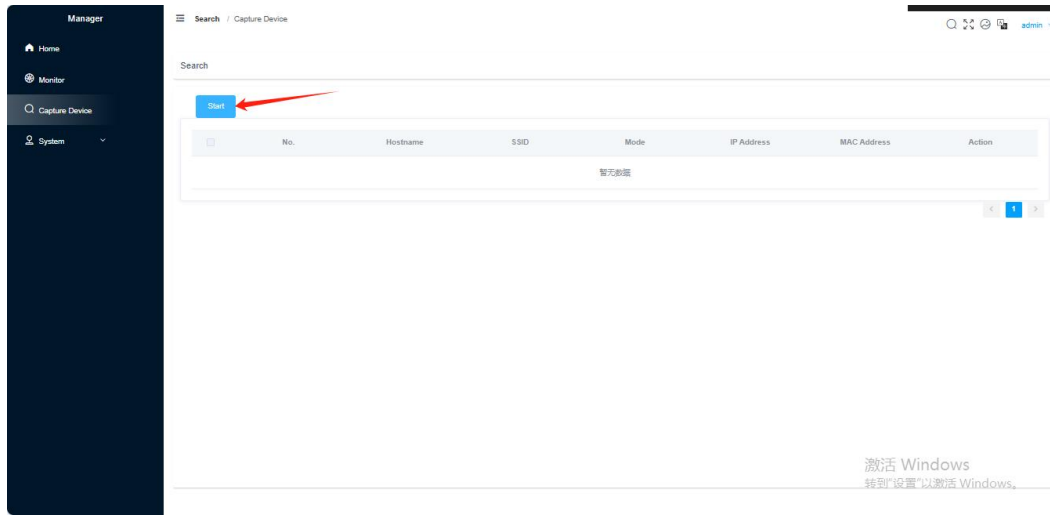
Default Password:123456



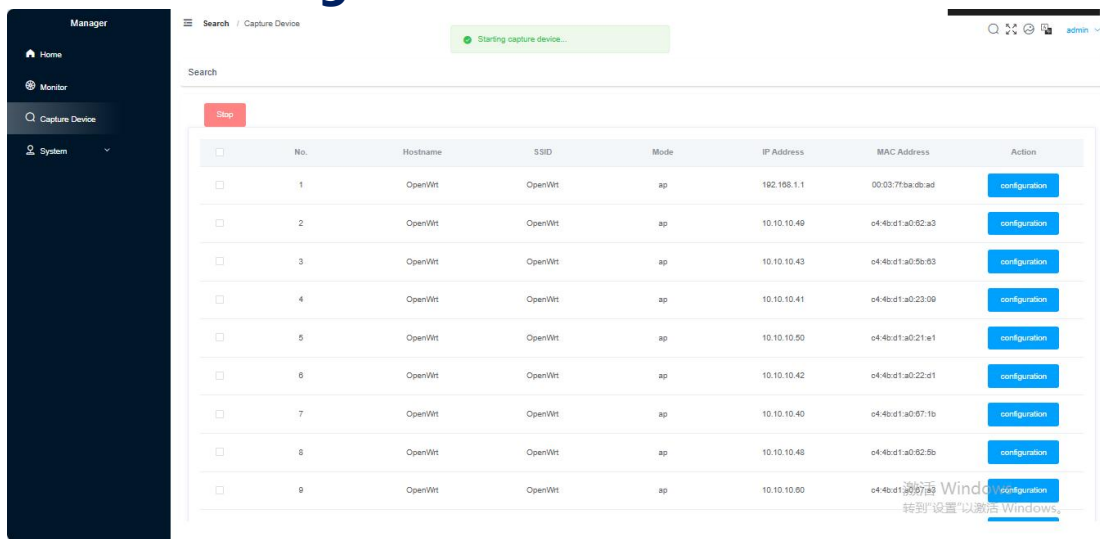
Chapter 1 | Introduction

Capture APs

Adding Devices(Capture APs)



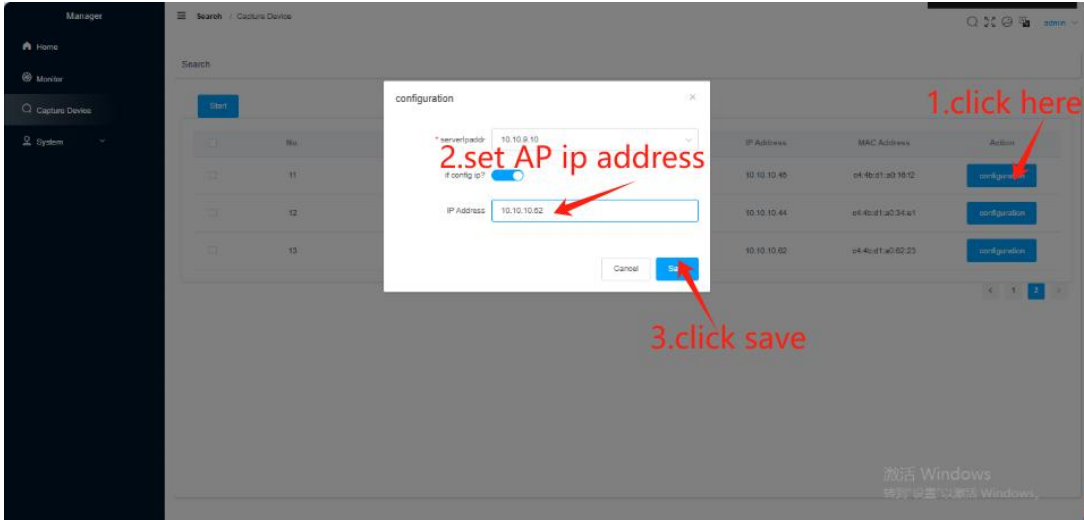
Device Management View



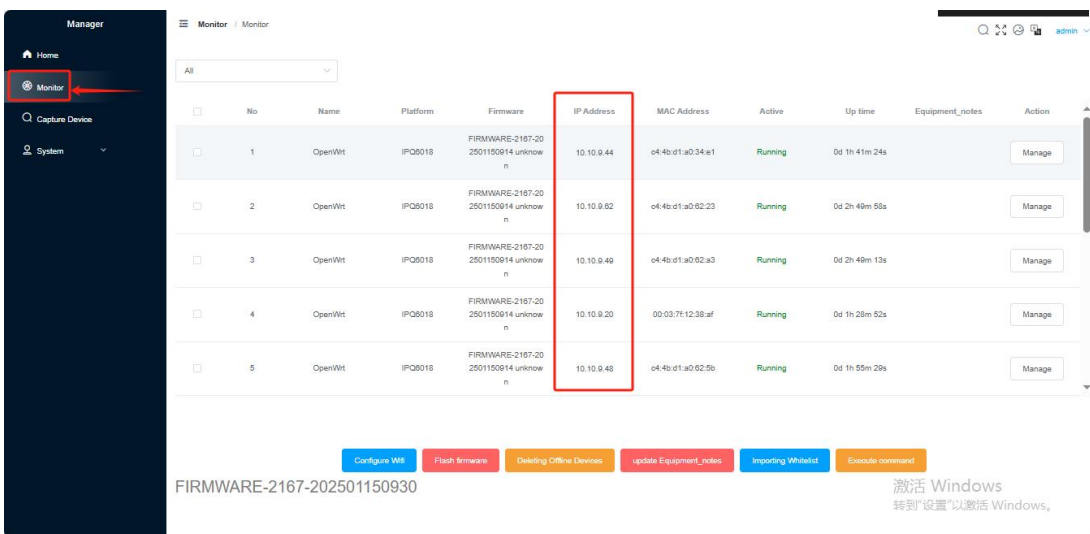
Chapter 1 | Introduction

Adding Devices

Adding Devices Warning Message



Adding Devices Successful Message



Chapter 1 | Introduction

Firmware Upgrade & Filtering

Firmware Upgrade Button

The screenshot shows a table of devices with the following columns: No, Name, Platform, Firmware, IP Address, MAC Address, Active, Up time, Equipment_notes, and Action. A red arrow points to the 'Flash Firmware' button in the bottom toolbar.

No	Name	Platform	Firmware	IP Address	MAC Address	Active	Up time	Equipment_notes	Action
1	OpenWrt	IPO6018	FIRMWARE-2167-2 02501150914 unknown	10.10.10.45	00:03:7f:12:1e:a7	Offline	0d 2h 44m 47s		Manage
2	OpenWrt	IPO6018	FIRMWARE-2167-2 02501150914 unknown	10.10.10.40	c4:4b:d1:a0:67:1b	Running	0d 22h 43m 10s		Manage
3	OpenWrt	IPO6018	FIRMWARE-2167-2 02501150914 unknown	10.10.10.42	00:4b:d1:a0:1d:5b	Running	0d 22h 43m 13s		Manage
4	OpenWrt	IPO6018	FIRMWARE-2167-2 02501150914 unknown	10.10.10.49	c4:4b:d1:a0:62:a3	Running	0d 22h 43m 15s		Manage
5	OpenWrt	IPO6018	FIRMWARE-2167-2 02501150914 unknown	10.10.10.35	00:03:7f:12:5b:47	Running	0d 22h 43m 18s		Manage

Toolbar buttons: Configure Wrt, Flash Firmware, Deleting Offline Devices, update Equipment_notes, Importing Whitelist, Execute command.

Filtering the Device View

The first screenshot shows the 'filter function' dropdown menu with options: All, warehouse, Building A, and Building B. Red arrows point to the 'filter function' label and the selected 'All' option.

The second screenshot shows the filtered view for 'Building A', with red arrows pointing to the 'Building A' filter, the 'Building A' column in the table, and the 'Building A' filter in the dropdown.

The third screenshot shows the filtered view for 'warehouse', with red arrows pointing to the 'warehouse' filter, the 'warehouse' column in the table, and the 'warehouse' filter in the dropdown.

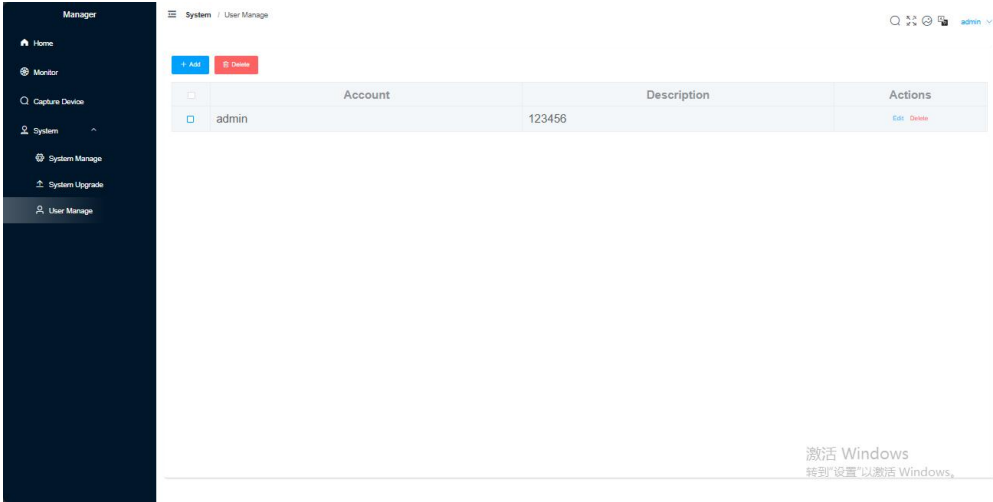
No	Name	Platform	Firmware	IP Address	MAC Address	Active	Up time	Equipment_notes	Action
1	OpenWrt	IPO6018	FIRMWARE-2167-202 501150914 unknown	10.10.8.2	00:03:7f:12:98:84	Running	2d 21h 41m 44s	warehouse	Manage
2	OpenWrt	IPO6018	FIRMWARE-2167-202 501150914 unknown	10.10.8.50	c4:4b:d1:a0:21:e1	Running	2d 22h 19m 19s	Building A	Manage
3	OpenWrt	IPO6018	FIRMWARE-2167-202 501150914 unknown	10.10.8.2	00:03:7f:12:08:4f	Running	2d 21h 42m 3s	warehouse	Manage
4	OpenWrt	IPO6018	FIRMWARE-2167-202 501150914 unknown	10.10.10.3	c4:4b:d1:a0:62:23	Running	2d 22h 19m 23s	Building B	Manage
5	OpenWrt	IPO6018	FIRMWARE-2167-202 501150914 unknown	10.10.10.2	c4:4b:d1:a0:5b:63	Running	2d 22h 19m 24s	Building B	Manage

Toolbar buttons: Configure Wrt, Flash Firmware, Deleting Offline Devices, update Equipment_notes, Importing Whitelist, Execute command.

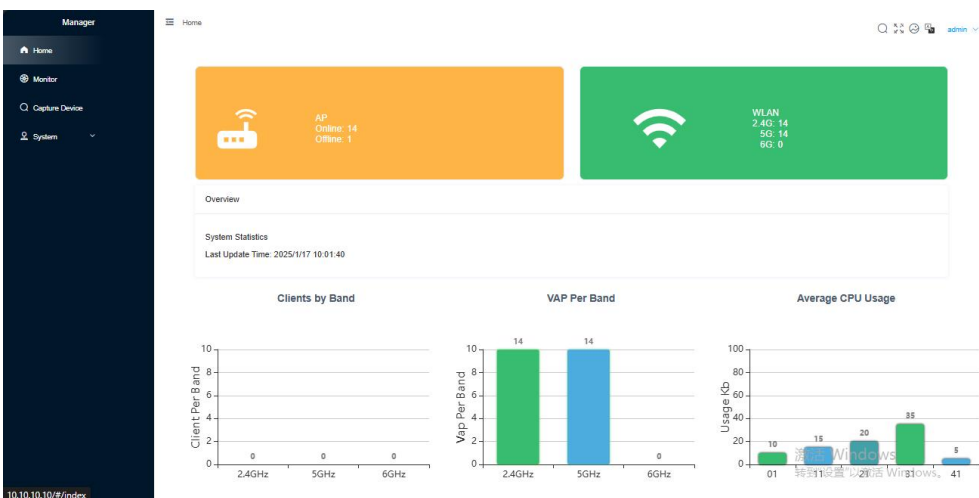
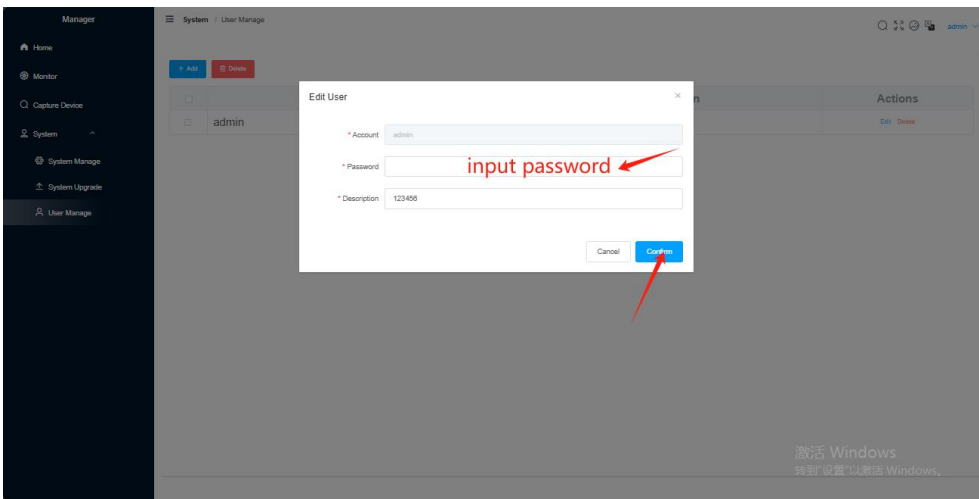
Chapter 1 | Introduction

Change Default Password

Change Default Password



Change Default Password Successful

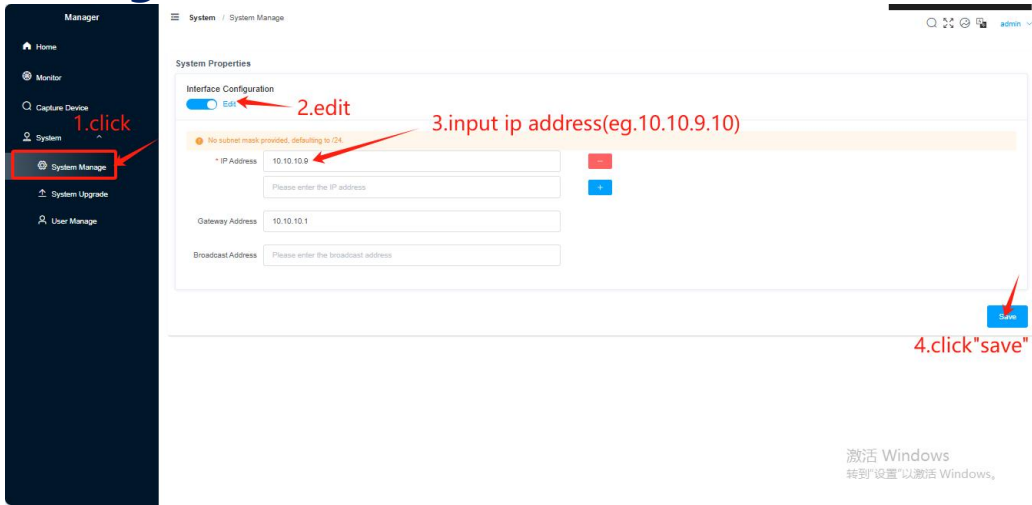


After New Password Applied,the webpage will auto turn to Home page.

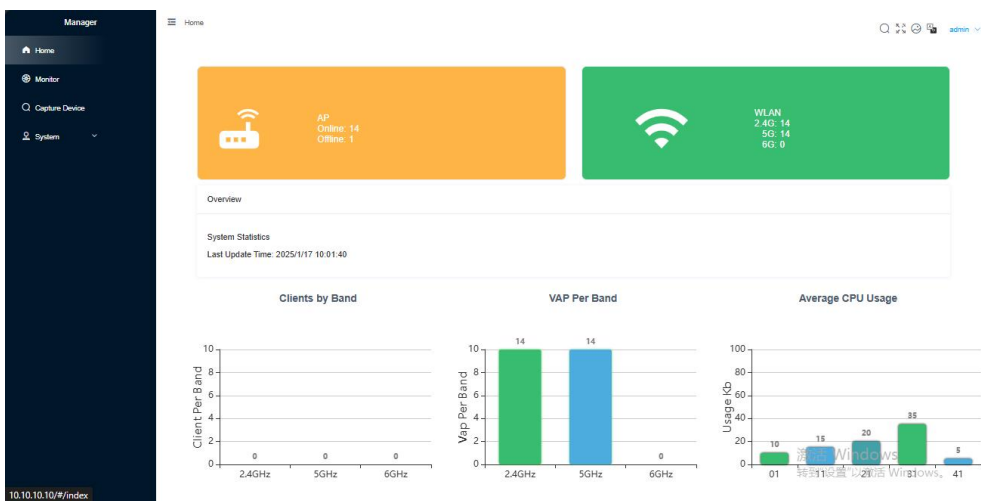
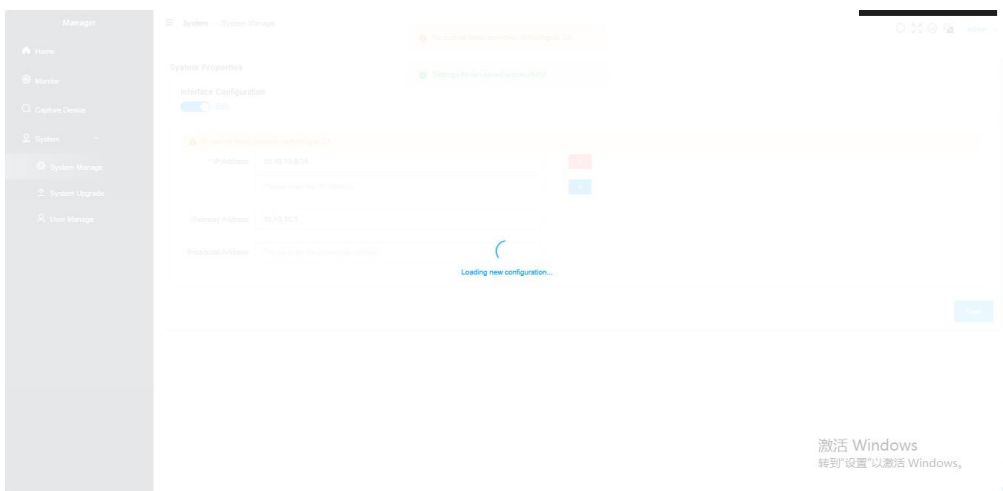
Chapter 1 | Introduction

Change AP Controller IP Address

Change Default AP Controller IP Address



Change Default IP Address Successful

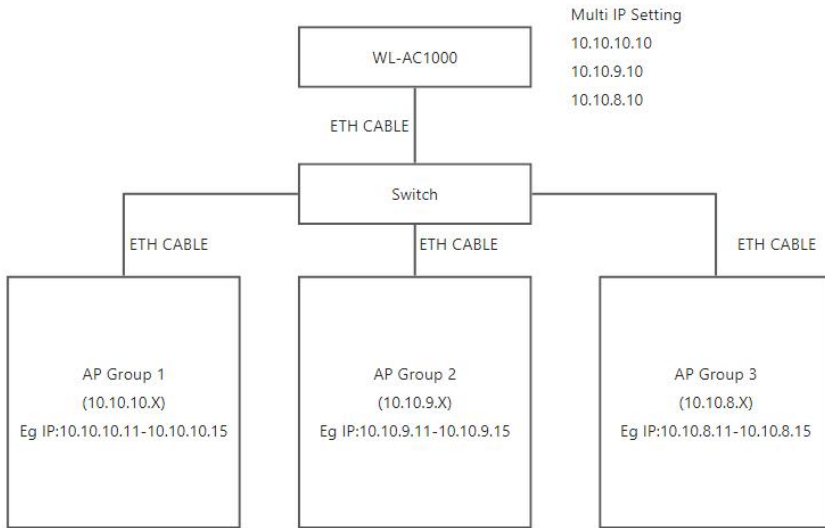


After New IP address Applied,the webpage will auto turn to Home page.

Chapter 1 | Introduction

Set Up Multiple IP Addresses Across Different Network Segments

Function Diagram



Set Up Multiple IP Address Successful

The screenshots show the 'System Properties' > 'Interface Configuration' page. The first screenshot shows the 'Multi IP Setting' section with a red arrow pointing to the 'input 10.10.9.10' field and another pointing to the 'Add' button. The second screenshot shows the same page with multiple IP addresses entered in the list, with red arrows pointing to the 'Add' button, the IP input fields, and the 'OK' button. The third screenshot shows the 'System Properties' > 'System' page with a red arrow pointing to the 'System' menu item and another pointing to the 'Add' button in the configuration dialog.

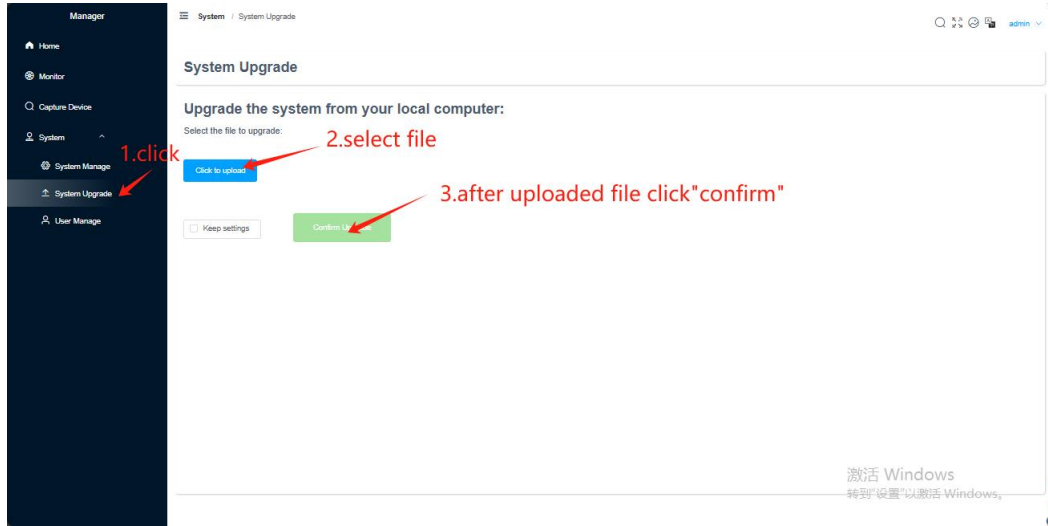
filter function

All	Name	Platform	Firmware	IP Address	MAC Address	Active	Up time	Equipment_notes	Action	
warehouse Building A Building B	penWrt	IPQ9018	FIRMWARE-2107-20 2501150914 unknow n	10.10.3.2	00:03:7f:12:86:84	Running	2d 21h 41m 44s	warehouse	Manage	
<input type="checkbox"/>	2	OpenWrt	IPQ9018	FIRMWARE-2107-20 2501150914 unknow n	10.10.9.50	c4:4b:d1:a0:21:e1	Running	2d 22h 19m 19s	Building A	Manage
<input type="checkbox"/>	3	OpenWrt	IPQ9018	FIRMWARE-2107-20 2501150914 unknow n	10.10.8.2	00:03:7f:12:08:4f	Running	2d 21h 42m 3s	warehouse	Manage
<input type="checkbox"/>	4	OpenWrt	IPQ9018	FIRMWARE-2107-20 2501150914 unknow n	10.10.10.3	c4:4b:d1:a0:62:23	Running	2d 22h 19m 23s	Building B	Manage
<input type="checkbox"/>	5	OpenWrt	IPQ9018	FIRMWARE-2107-20 2501150914 unknow n	10.10.10.2	c4:4b:d1:a0:5b:83	Running	2d 22h 19m 24s	Building B	Manage

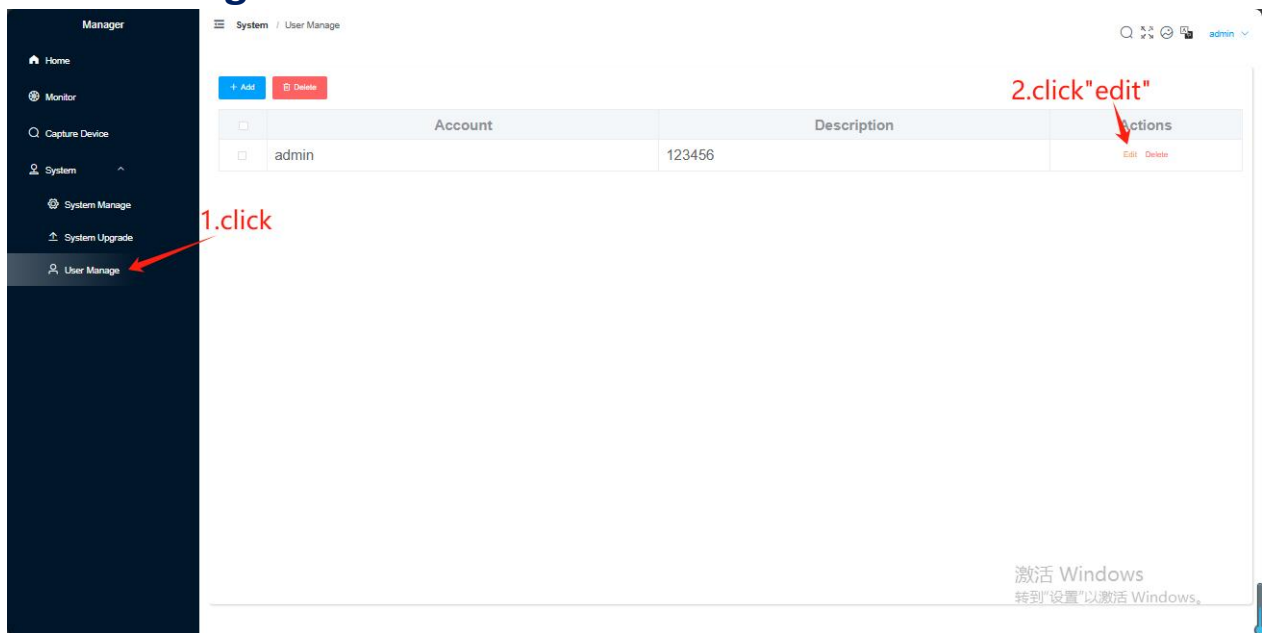
Chapter 1 | Introduction

System Upgrade

System Upgrade



User Manage



Section II

Configuration



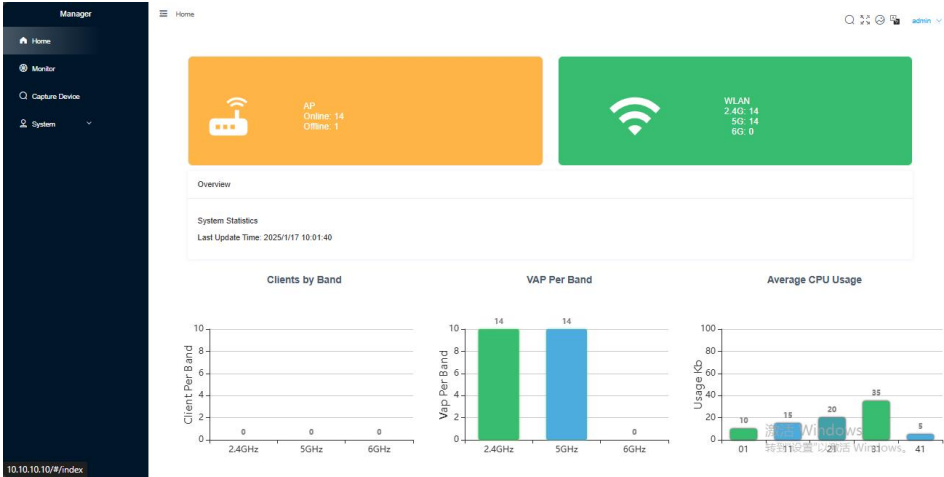
This section provides details on configuring access point settings.

Chapter 2 | Configuration

The Dashboard

The Dashboard

The dashboard provides an overview of status for configured devices, recent activity information overview.



Monitor

The Monitor page displays a table of device status with the following columns: No, Name, Platform, Firmware, IP Address, MAC Address, Active, Up time, Equipment_notes, and Action.

No	Name	Platform	Firmware	IP Address	MAC Address	Active	Up time	Equipment_notes	Action
1	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.46	00:03:7f:12:1e:e7	Offline	0d 3h 44m 47s		Manage
2	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.40	04:4b:d1:a0:67:1b	Running	0d 22h 43m 10s		Manage
3	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.42	00:4b:d1:a0:1d:5b	Running	0d 22h 43m 13s		Manage
4	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.49	04:4b:d1:a0:62:a3	Running	0d 22h 43m 16s		Manage
5	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.35	00:03:7f:12:5b:47	Running	0d 22h 43m 18s		Manage

Below the table, there are management buttons: Configure Wrt, Flash firmware, Deleting Offline Devices, update Equipment_notes, Importing Whitelists, and Execute command. A command prompt shows the command: FIRMWARE-2167-202501150930.

Chapter 2 | Configuration

Configure WiFi

Configure WiFi in Batch

The screenshot shows the 'Monitor' page of a network management system. A sidebar on the left contains navigation options: Home, Monitor (selected), Capture Device, and System. The main area displays a table of devices with columns for No., Name, Platform, Firmware, IP Address, MAC Address, Active status, Up time, Equipment_notes, and Action. Five devices are listed, all with 'OpenWrt' as the platform and 'FIRMWARE-2167-2' as the firmware. A red circle highlights the checkboxes in the 'No.' column, with an arrow pointing to them and the text '2.select devices'. Another red arrow points to the 'Monitor' link in the top navigation bar with the text '1.click "monitor"'. At the bottom of the table, a row of action buttons is visible, including 'Configure WiFi', 'Flash firmware', 'Deleting Offline Devices', 'update Equipment_notes', 'Importing Whitelist', and 'Execute command'. A red arrow points to the 'Configure WiFi' button with the text '3.click "configure wifi"'. A watermark for '激活 Windows' is visible in the bottom right corner.

Configure WiFi

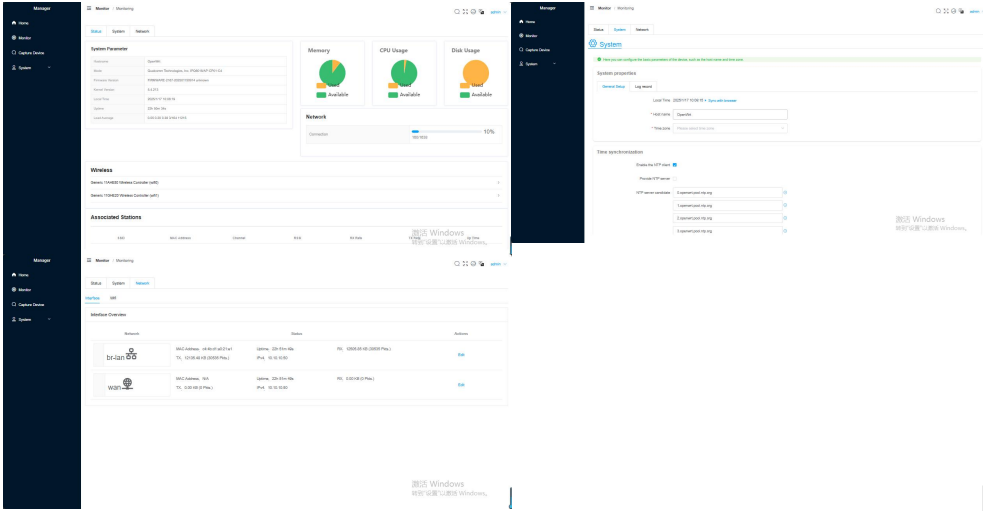
The screenshot shows the 'Configure WiFi' dialog box overlaid on the network management interface. The dialog is divided into two sections: 'Equipment Configuration' and 'Interface Configuration'. In the 'Equipment Configuration' section, 'WiFi Type' is set to '2.4G', 'Country Code' is 'CN - China', 'Channel' is 'auto', 'Mode' is '802.11a/g', 'Spectrum Width' is '20MHZ', and 'TX Power' is '30 dBm (1000 mW)'. In the 'Interface Configuration' section, 'Wireless Name' is empty, 'Mode' is 'Access Point (WDS)', and 'Encryption Mode' is 'No Encryption'. 'Cancel' and 'OK' buttons are at the bottom. A watermark for '激活 Windows' is visible in the bottom right corner.

Chapter 2 | Configuration

Upgrading Device Firmware

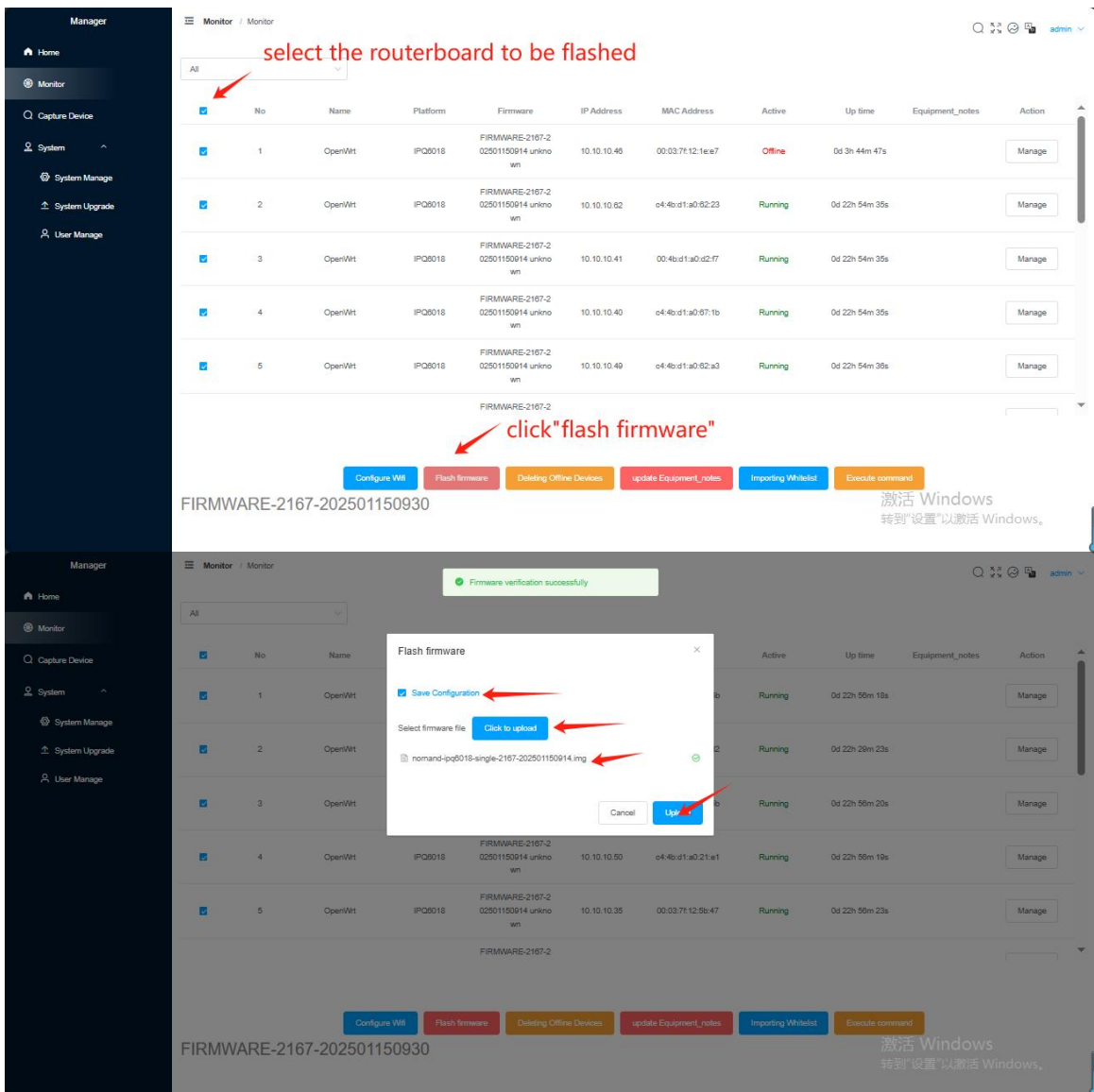
Viewing Device Information

Click a device name link in the Name column to access the detailed device information.



Upgrading Device Firmware

Click the upgrade icon in the FW column when new firmware is available for a device.

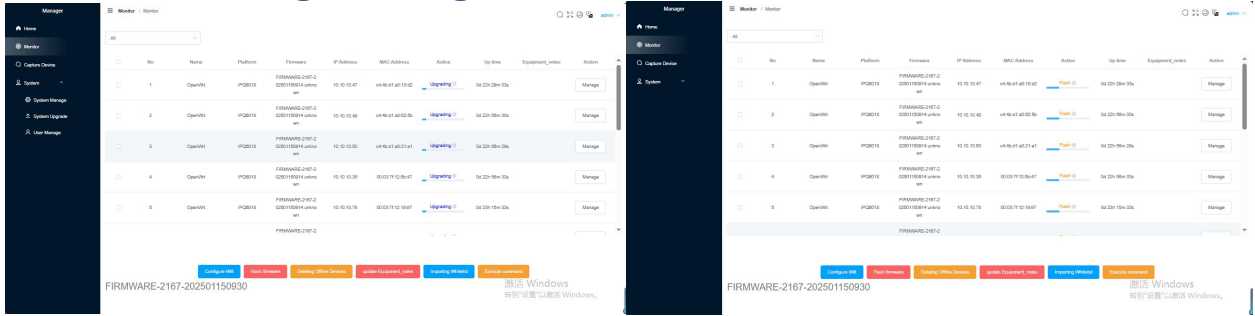


Note:check✓ the box "save configuration" if need to keep the configuration remain.

Chapter 2 | Configuration

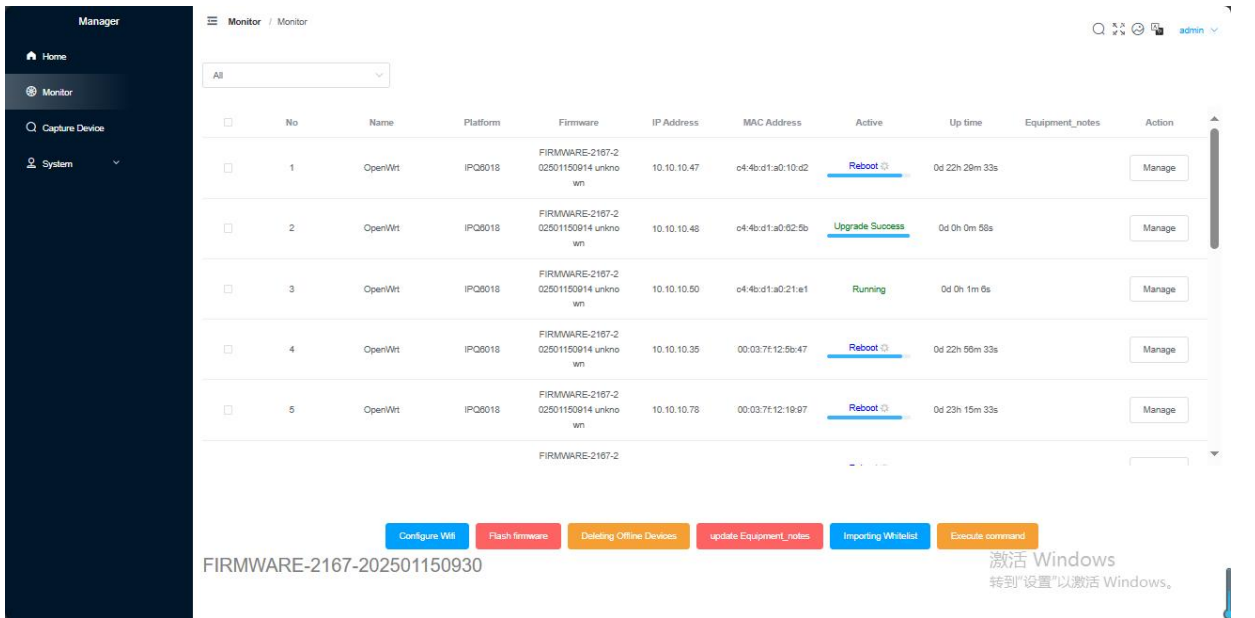
Upgrading Device Firmware

New FW Upgrading process



Upgrading Device Firmware Successful

Active: running-upgrading-flashing-upgrade success-running



Chapter 2 | Configuration

Deleting Offline Devices

Deleting Offline Devices

1.click

2.select

3.click

No	Name	Platform	Firmware	IP Address	MAC Address	Active	Up time	Equipment_notes	Action
1	OpenWrt	IPO8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.46	00:03:71:12:1ee7	Offline	0d 2h 44m 47s		Manage
2	OpenWrt	IPO8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.40	04:4b:d1:a0:67:1b	Running	0d 22h 43m 10s		Manage
3	OpenWrt	IPO8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.42	00:4b:d1:a0:1d:5e	Running	0d 22h 43m 13s		Manage
4	OpenWrt	IPO8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.49	04:4b:d1:a0:62:a3	Running	0d 22h 43m 15s		Manage
5	OpenWrt	IPO8018	FIRMWARE-2167-2 02501150914 unkno wn	10.10.10.35	00:03:71:12:5b:47	Running	0d 22h 43m 18s		Manage

Configure WiFi Flash firmware **Deleting Offline Devices** update Equipment_notes Importing Whitelist Execute command

FIRMWARE-2167-202501150930

激活 Windows
转到“设置”以激活 Windows。

Deleting Offline Devices Successful

Deleting Offline Devices

Are you sure you want to delete these offline devices? When you click the OK button, these offline routers will be permanently deleted.

OK Cancel

Configure WiFi Flash firmware **Deleting Offline Devices** update Equipment_notes Importing Whitelist Execute command

FIRMWARE-2167-202501150930

激活 Windows
转到“设置”以激活 Windows。

Manager

Monitor / Monitor

Deleting Offline Devices

Tips

Already removed 13 Offline equipment

Close

Configure WiFi Flash firmware **Deleting Offline Devices** update Equipment_notes Importing Whitelist Execute command

FIRMWARE-2167-202501150930

激活 Windows
转到“设置”以激活 Windows。

Chapter 2 | Configuration

Update Equipment Notes

Update Equipment Notes

No	Name	Platform	Firmware	IP Address	MAC Address	Active	Up time	Equipment_notes	Action
1	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unknow wn	10.10.10.46	00:03:7f:12:1e:e7	Offline	0d 3h 44m 47s		Manage
2	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unknow wn	10.10.10.40	c4-4b:d1:a0:67:1b	Running	0d 22h 43m 10s		Manage
3	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unknow wn	10.10.10.42	00:4b:d1:a0:1d:5b	Running	0d 22h 43m 13s		Manage
4	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unknow wn	10.10.10.49	c4-4b:d1:a0:62:a3	Running	0d 22h 43m 16s		Manage
5	OpenWrt	IPQ8018	FIRMWARE-2167-2 02501150914 unknow wn	10.10.10.35	00:03:7f:12:5b:47	Running	0d 22h 43m 18s		Manage

Buttons: Configure WiFi, Flash firmware, Deleting Offline Devices, **update Equipment_notes**, Importing Whitelist, Execute command

Equipment Notes for Group Management

update Equipment_notes

Configure device information in batches

Device Remark:

OK Cancel

update Equipment_notes

Configure device information in batches

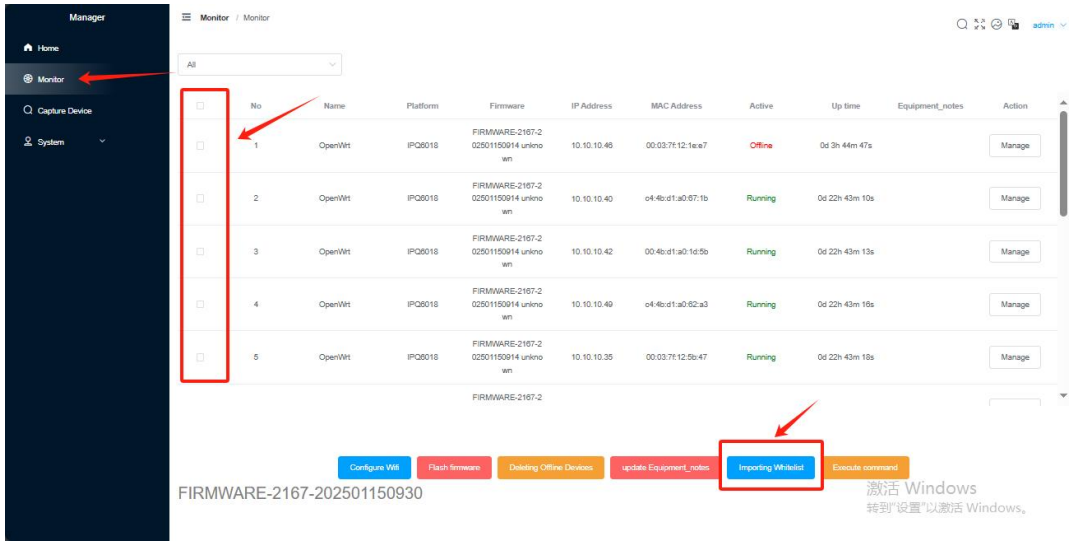
Device Remark:

OK Cancel

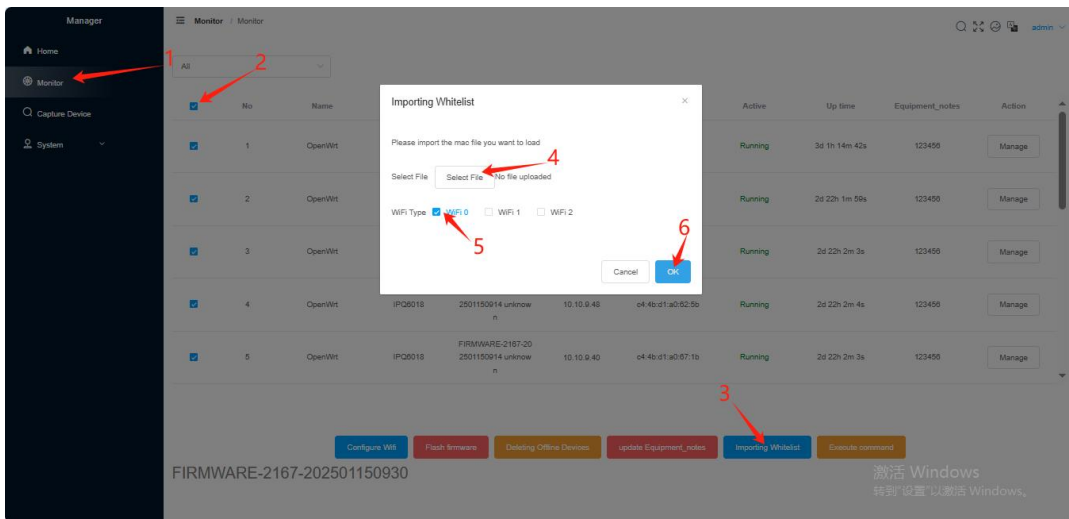
Chapter 2 | Configuration

Importing Witelist

Importing Witelist



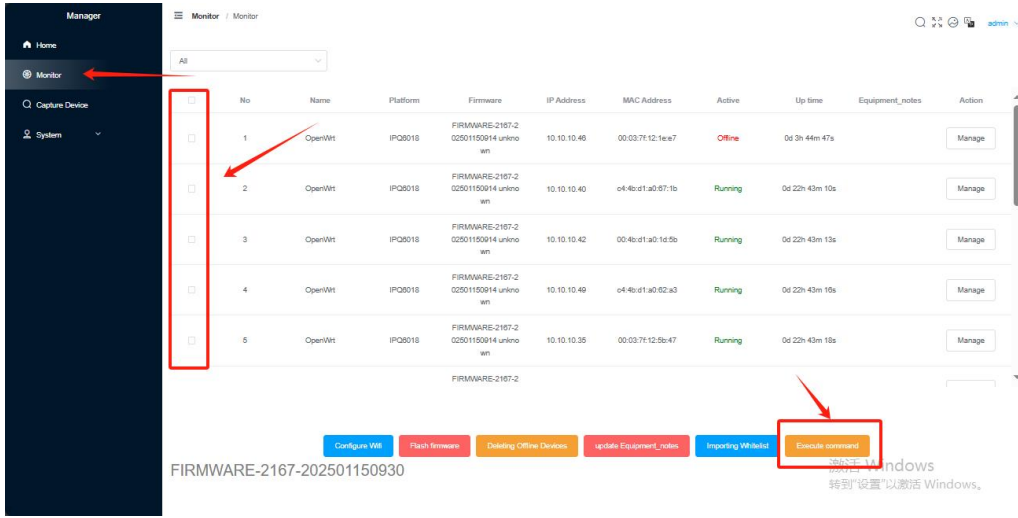
Witelist upload for your AP Devices



Chapter 2 | Configuration

Execute Command

Execute Command



Input Command(eg.as picture below)

