V5 Platform operation

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1 Platform installation

1.1. Installation environment

Before installation, please ensure that it is a new machine and no other environment is installed, otherwise it may affect your business use.

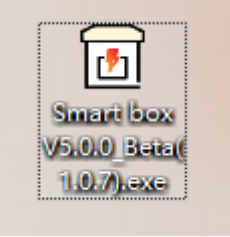
Do not enable anti-virus software and firewall during installation, otherwise these two may prevent the platform from configuring environment variables or other environment Settings.

Computer configuration: win10/win11 system, running memory (8GB), 64-bit operating system, recommended i5 or higher CPU, hard disk 500G.

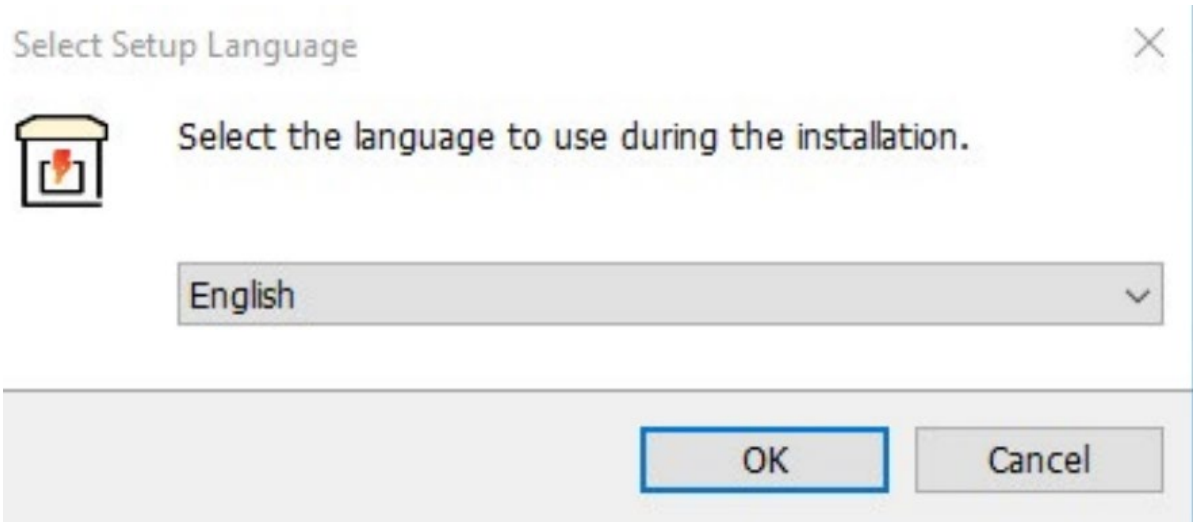
The platform cannot be installed in a Chinese folder directory.

1.2. Installation process

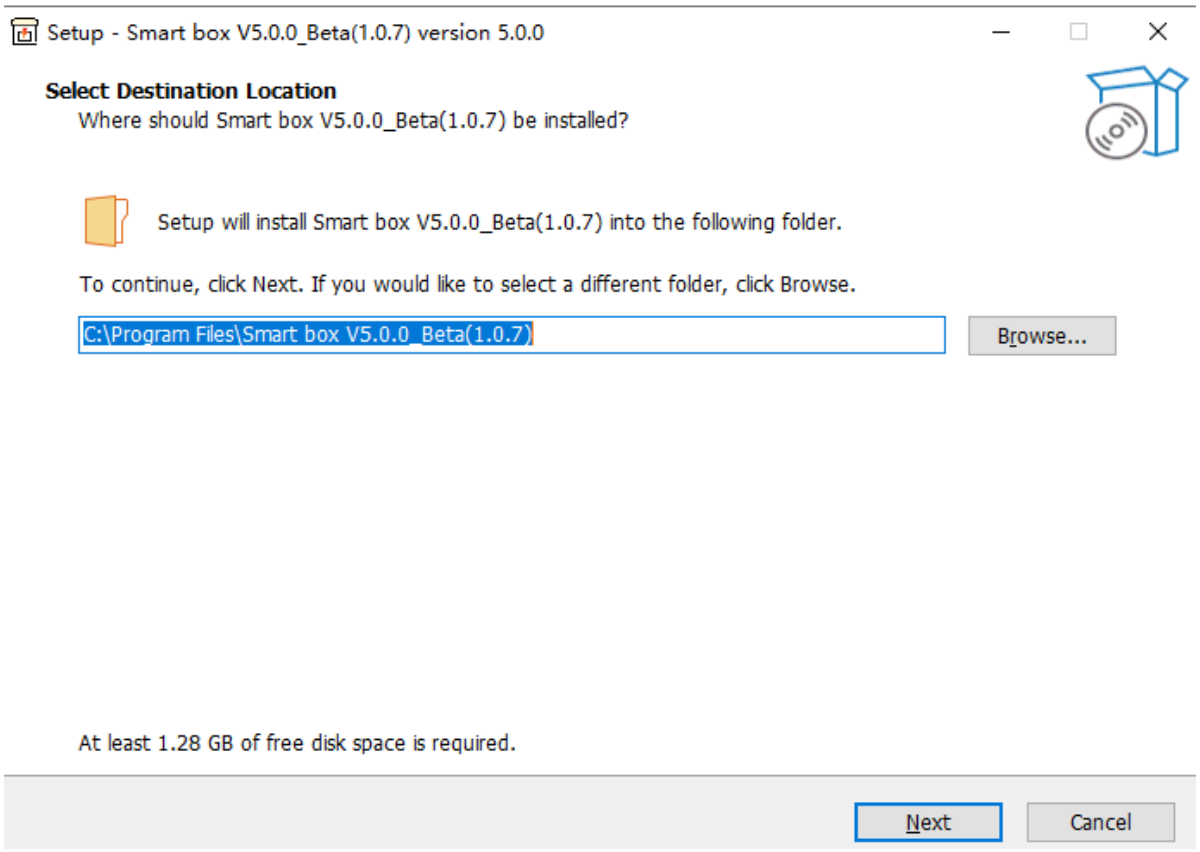
1. Double click on the software installation package.



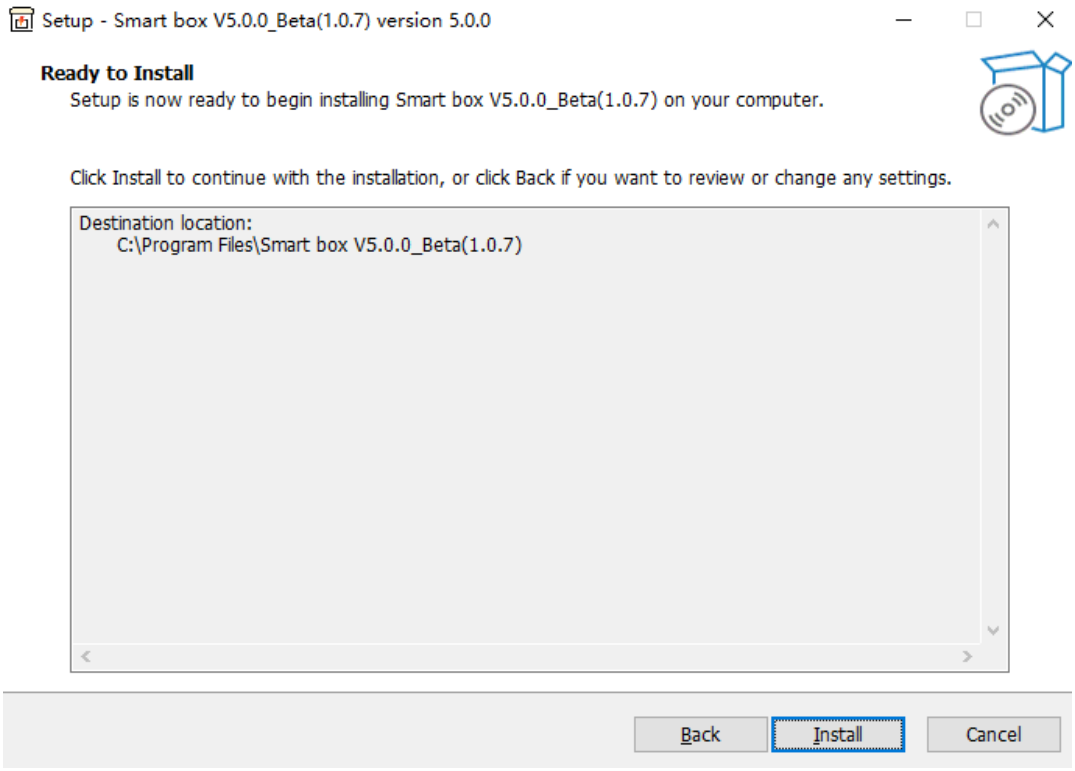
2. Select language, Chinese or English.



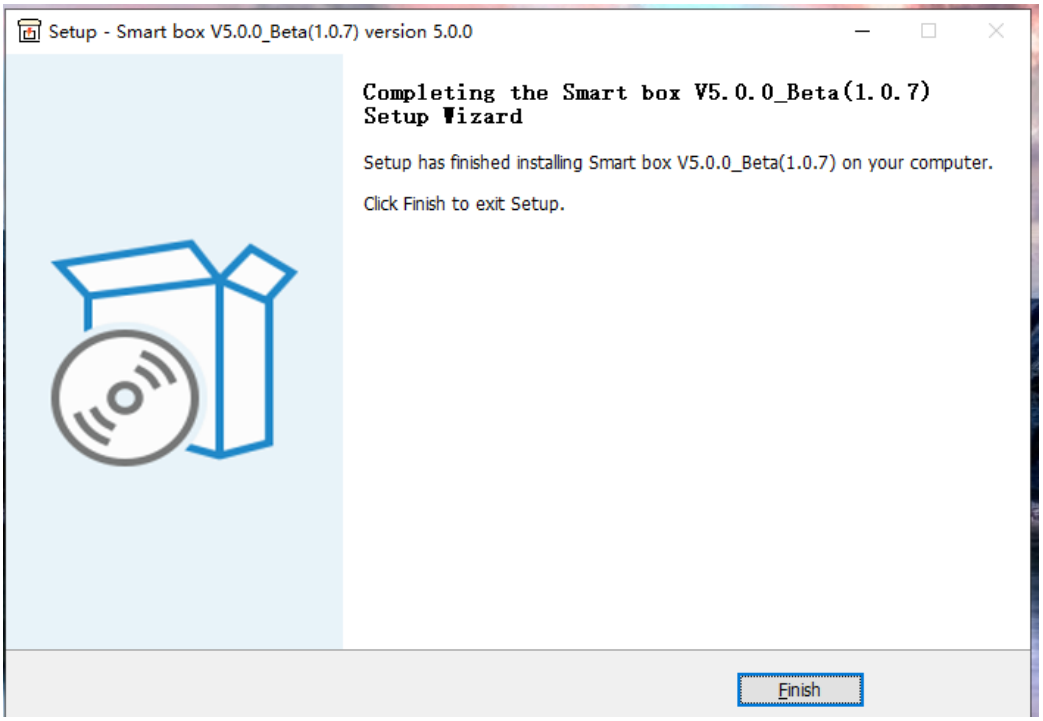
3. Select the installation path.



4. Click Install.

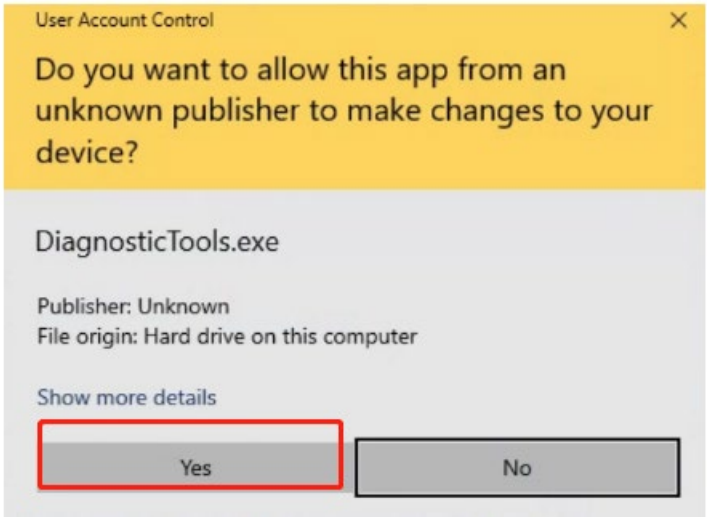


5. Installation complete

6. 

Noted:During installation, Windows says "... Unknown App....Do you want to install" it is normal to see a Windows Security Warning. Answer "Yes" when asked if want to install the software.





1.3. Open Platform

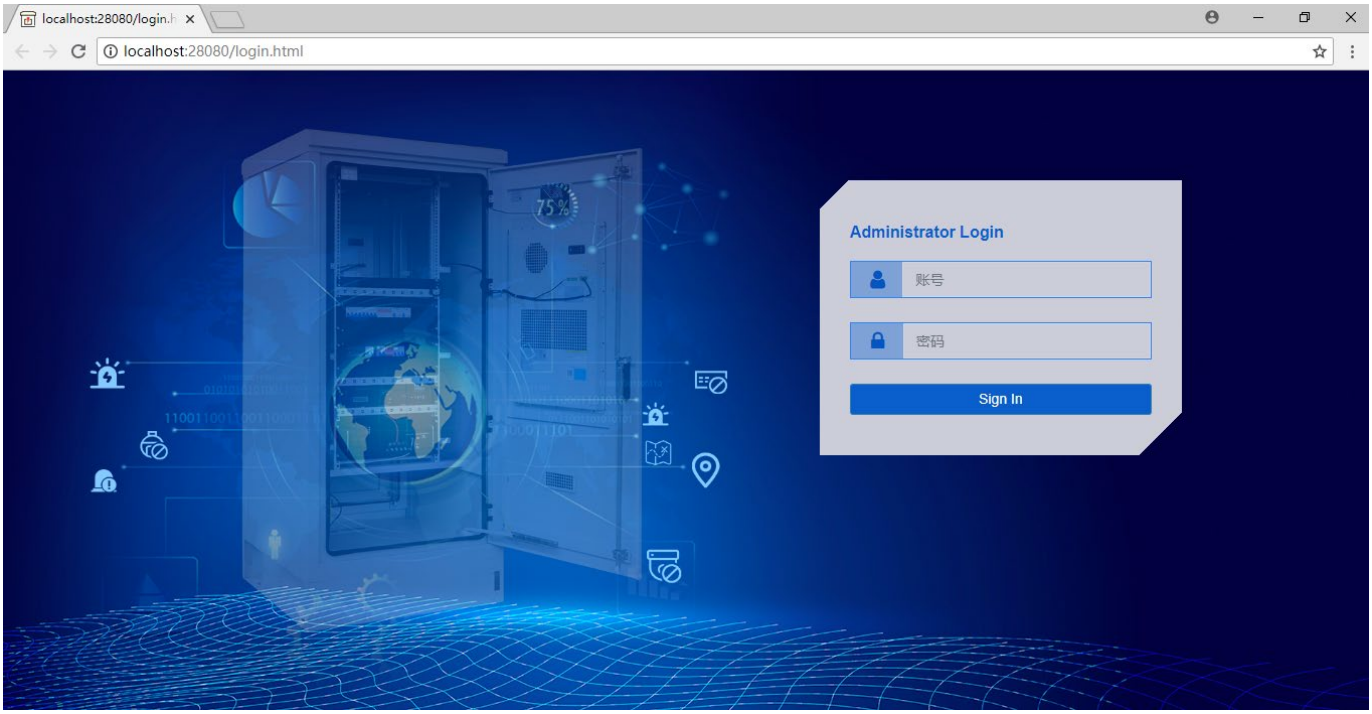
After the platform is installed, open the browser and enter localhost:28080 in the address bar to access the platform (colon is an English half-corner colon).

Also can be opened from any other computer an same LAN with:

http://[ip_address_of_host_computer]:28080

(“ip_address_of_host_computer”need writen by users.

By default, the user name and password are admin.



2.Preface(Changing IP)

Noted:If you don’t need modify the IP,please ignore this step,If you need modify IP please read carefully below information.

Each device box must be configured with an independent IP address, one server IP address. Duplicate device IP addresses may cause device conflicts. The server IP address corresponds to the server address of the installation platform.

The UDP tool allows you to quickly and easily change the IP address of a smart power box when no smart power box platform is installed.

The smart power box platform and UDP tool cannot enable services at the same time.

2.1. Prepare tools

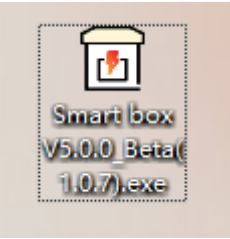
Hardware: a laptop, a network cable,Smart Box

Software: UDP tool(the UDP tool already combine with the V5 software named diagnostic tool).

Noted:or you can't run the diagnostic tool,you can ask the distributor to provide you a single UDP tool and UDP tool operation guide,and we advise that the UDP tool and the V5 platform are not installed on the same PC.

2.2. Changing Device IP address with software

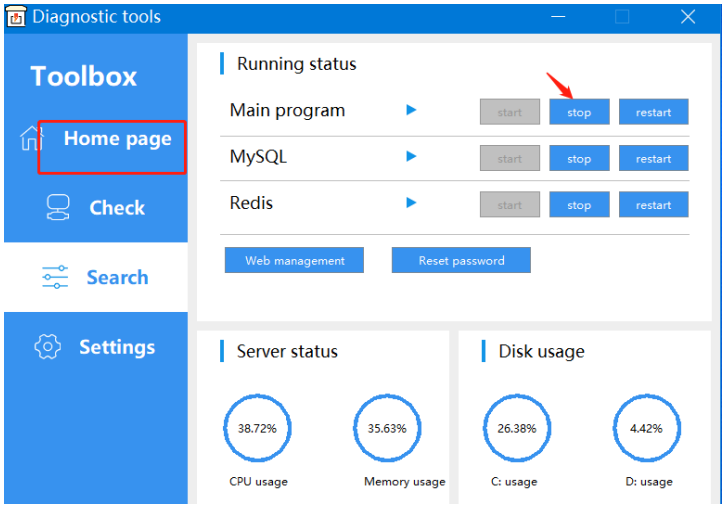
1. First, connect the computer directly to the device box through an Ethernet cable
2. Click the software,enter the login page.

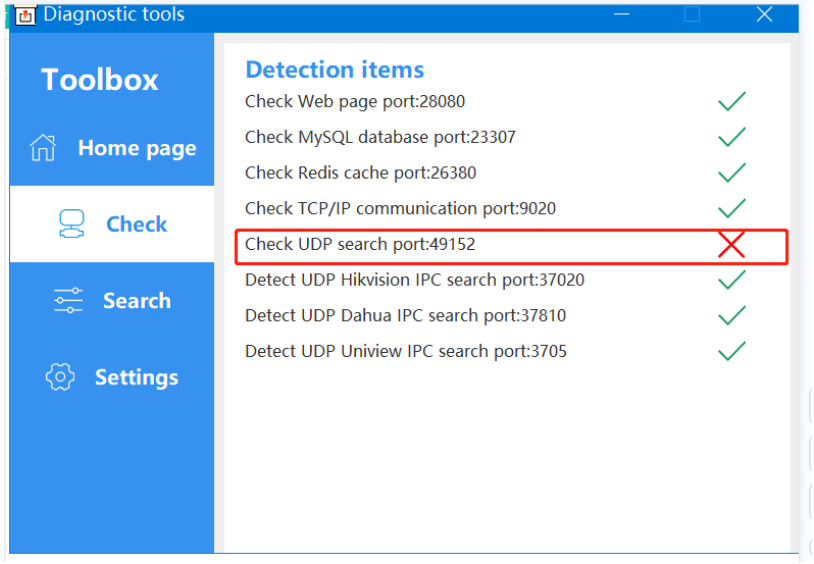


3. Select homepage open the stop Button

Now you can't enter the software and the UDP tool is running.

The check page :UDP 49152 was showing closed





4. enter the Search page,you can see the UDP tool.

Function Description: You can search for directly connected devices, modify the IP address of the device, and the IP address of the device to the server.

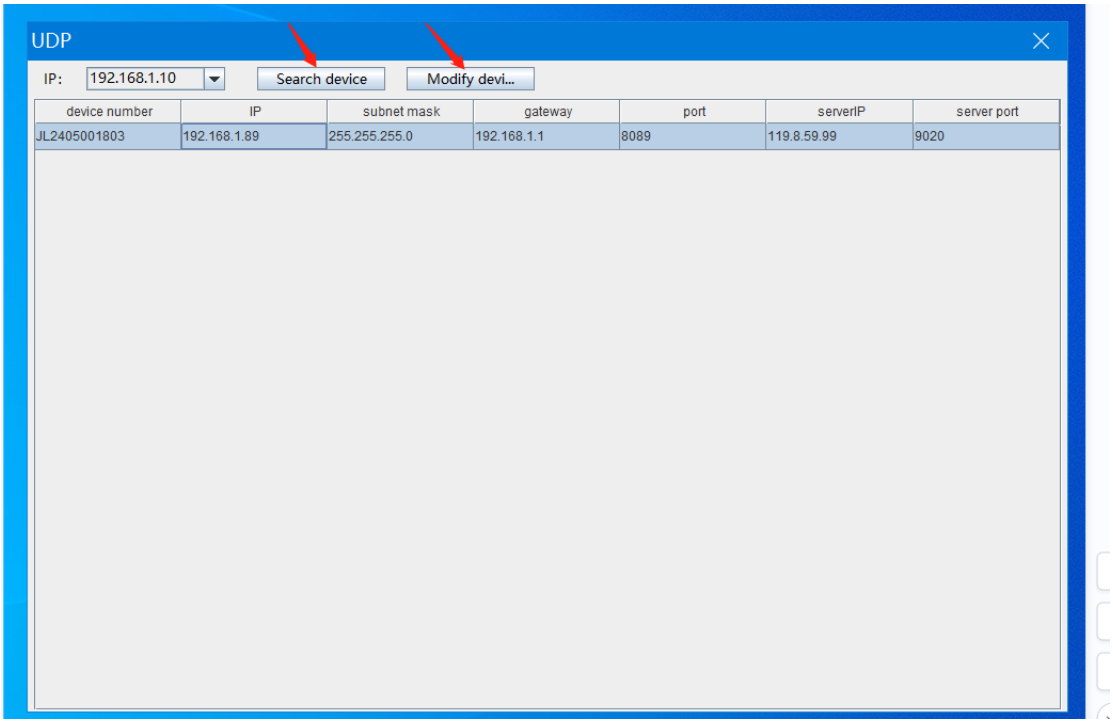
Parameter specification:

□IP：The IP address of the computer.

□Search device：After filling in the IP address of the computer, click the "Search device" button to search for the device directly connected

to the computer.

Modify device：Click to change the device IP address.



Modify device parameters:

IP：IP address of the device box.

□Subnet mask: the subnet mask of the device box.

□Gateway：The gateway of the device box .

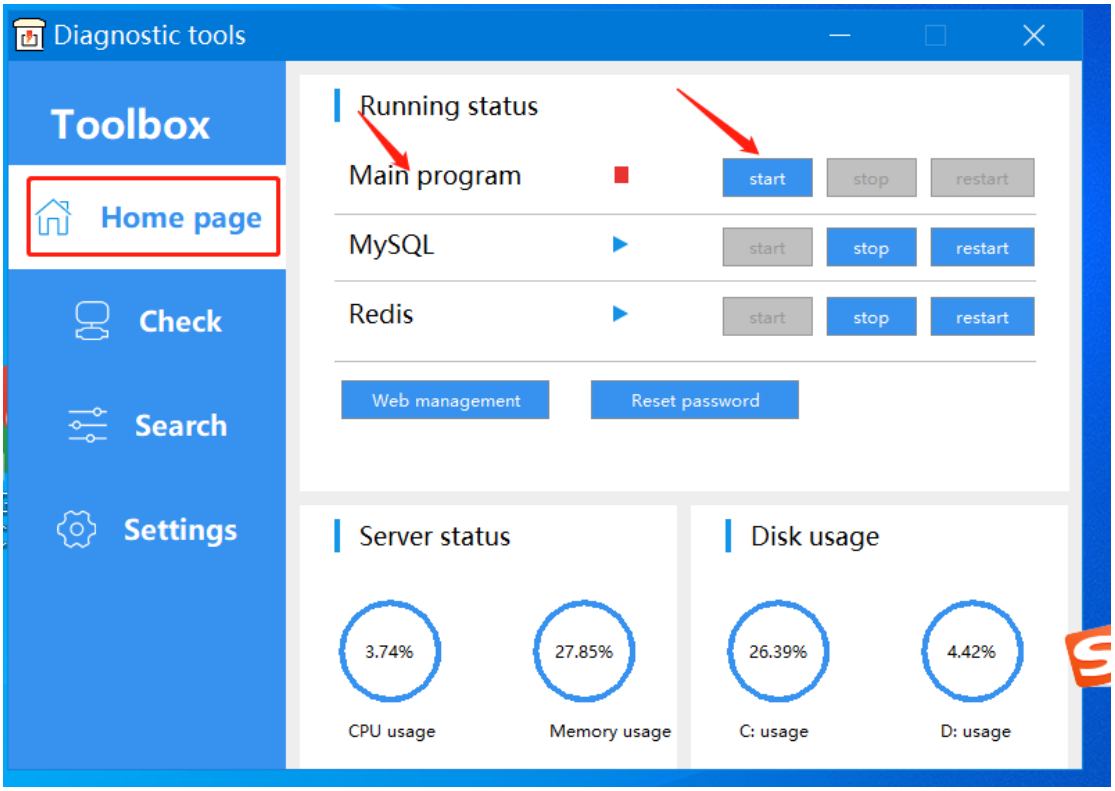
□Port: Device box upload data port.

□Server IP: The server points to the IP address.

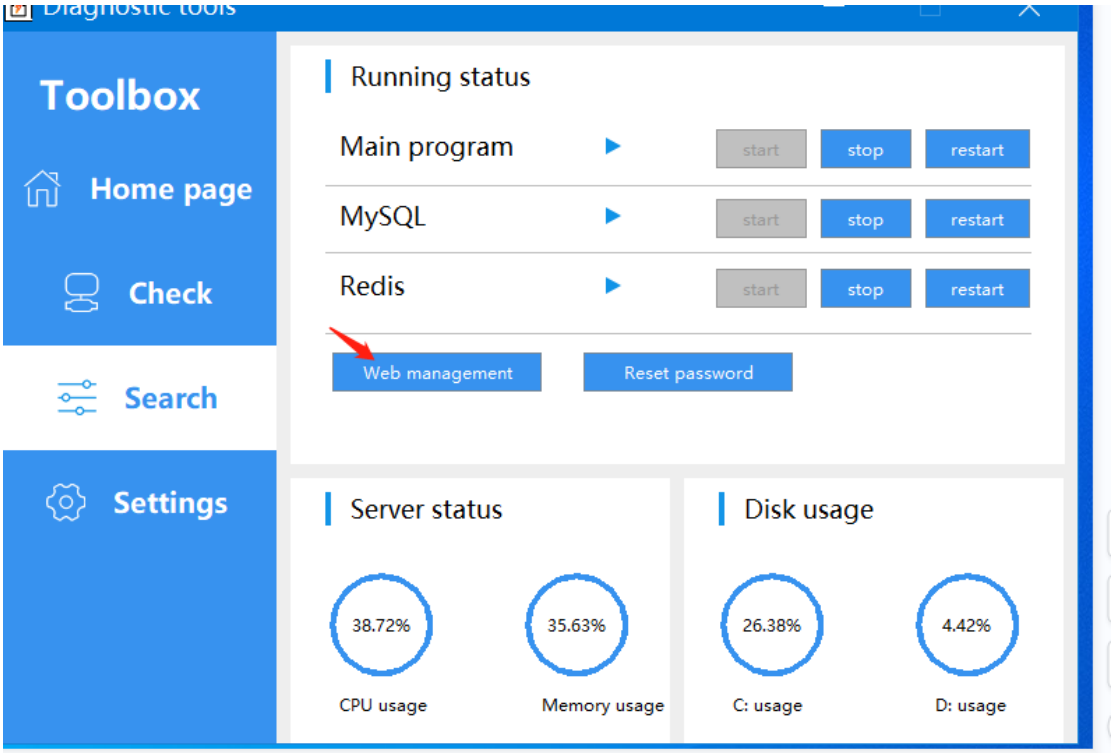
□Server port: defaults to 9020 and cannot be modified.

Fill in the modification information according to the prompts and requirements. After the Settings are complete, click "OK" button to modify the device address information.

Noted:After you finished the change Device IP address,wanna enter the V5 Platform,please don’t forget to back to homepage,open the **start** Button,then you can enter the V5 Platform



1.You can enter software web management here



3. Function Introduction

3.1. Home preview

3.1.1. Workbench

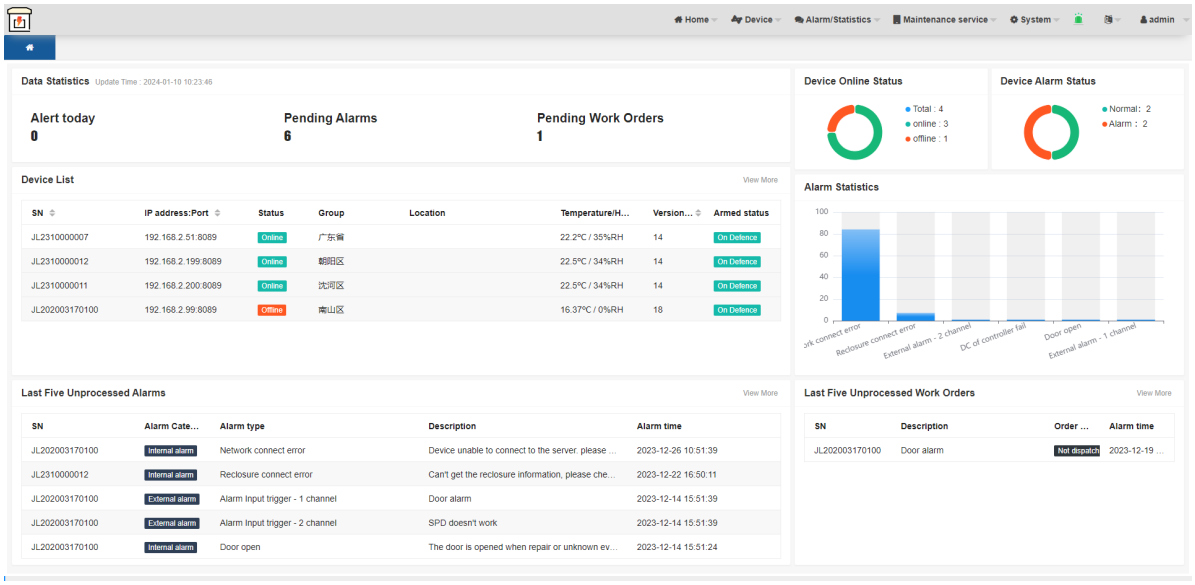
Function description: It is convenient for maintenance personnel to quickly view alarm message types, alarm information analysis diagram, and equipment online situation, and also quickly view alarm information statistics.

Configuration path: 【Home】>【Workbench】

Parameter description:

- Today Alarms: You can view the number of today alarms. Click to go to the Alarm Message page.

- Pending Alarms: You can view the number of unhandled alarms. You can click to go to the Alarm Messages page.
- Pending tech order: You can view the number of work orders that have not been processed, click to go to the "Work Order Management" page.
- Device list: A maximum of six devices are displayed. You can click "More" to go to the "Device List" page.
- Recent Five Alarms Unhandled: Displays the latest five alarms that have not been handled. Click More to go to the Alarm Information page.
- Latest Five work Orders Unprocessed: Displays information about the latest five work orders that have not been processed. Click "More" to go to the "Work Order Management" page.



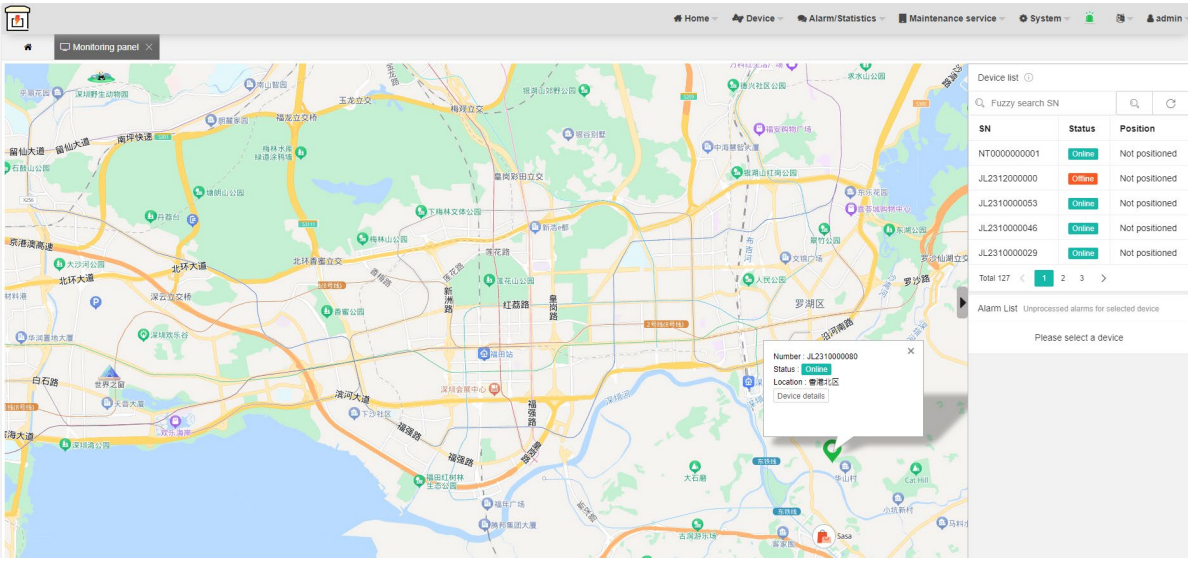
3.1.2. Monitoring panel

Function Description: After locating the device, you can quickly view the device location, current device status, and alarm information on this page.

Configuration path:【Home】>【Monitoring panel】

Parameter description:

- Device list: Displays the ids, online status, and location of all devices. You can locate the device by searching for the device number and click in the row where the device resides.
- Alarm list: Select unhandled alarms of the device.
- Map：If you are using online maps, you need Internet access to display them; If you need to use an offline map, contact your dealer.
- Device details: Click to go to the device details screen.



3.2. Device

3.2.1. Device list

3.2.1.1. Group management

Function Description: Convenient device statistics management, one area one group, grouping up to three levels.

Configuration path: 【Device 】>【Device list】>"Group Management" on the left side of the page

Parameter description

The paper plane icon next to the word "Group Management" : click to go to the "Group Management" page. For operation instructions on the "Group Management" page, see "System Management" > "Group Management" for details.

Adding devices to a group: Select the devices that you want to add to a group and then select the group. The operation succeeded is displayed on the page.

Screen device:Select a group and click the View icon next to the group to filter out all devices that are in the group, including all subgroups in the group.

3.2.2. Device list

Function Description: Manage and control devices.

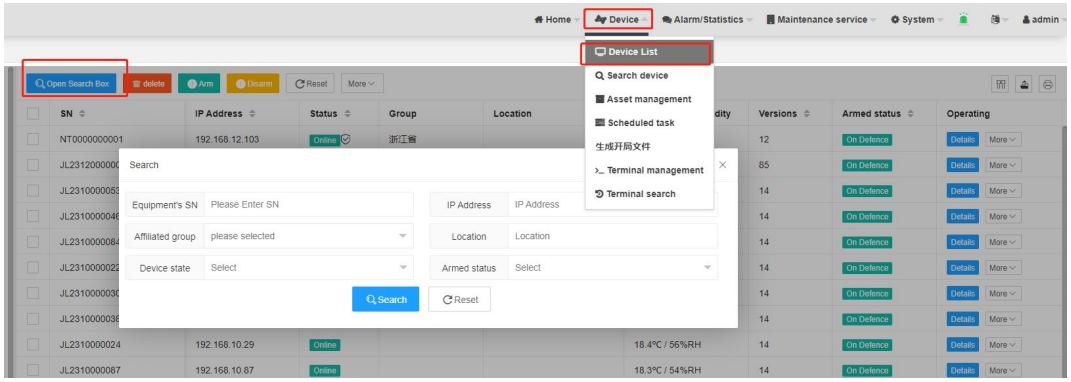
Configuration path:【Device】>【Device list】

3.2.2.1. Device query

Function Description: You can search for a device based on the device number, IP address, group name, and geographic location.

Parameter description:

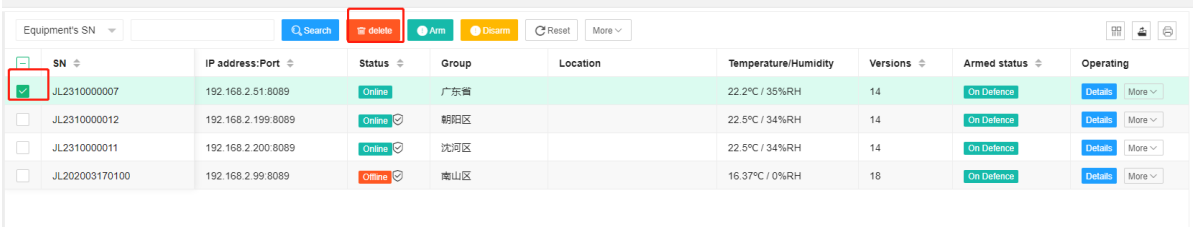
- Device number: Device serial number. The serial number is separate for each device.
- IP address: the IP address of the device.
- Group name: Query the group to which the device belongs.
- Geographical location: Enter the geographical location of the device.
- Device status: Online or offline.
- Defense status: Fielding or shielding.



3.2.2.2. Delete device

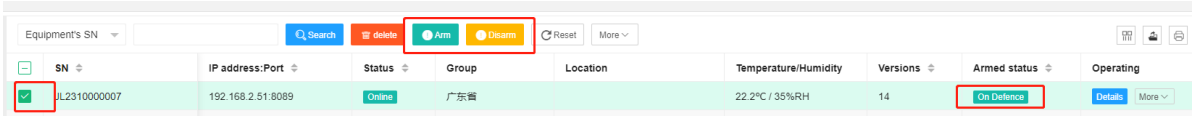
Function Description: Delete the selected device. After a device is deleted, all information about the device group, device deployment, generated alarms, and set locations will be lost. Exercise caution when

performing this operation.



3.2.2.3. Deployment and withdrawal of defenses

Function Description: Default defense deployment status. No alarm is sent after the device is removed from defense.

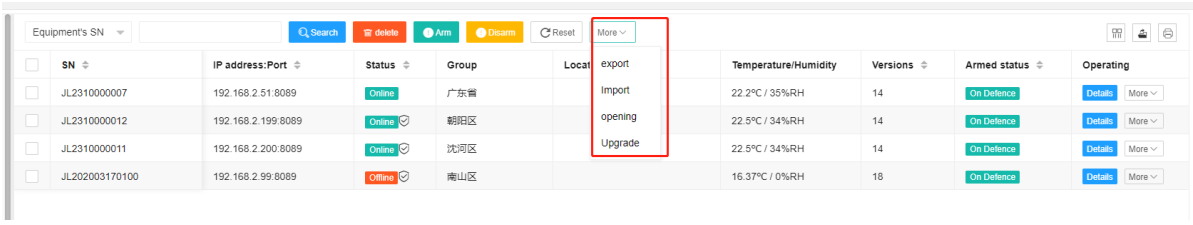


3.2.2.4. Import and export

Function Description: This function is mainly used to facilitate server migration and save device data, such as geographical location and group information.

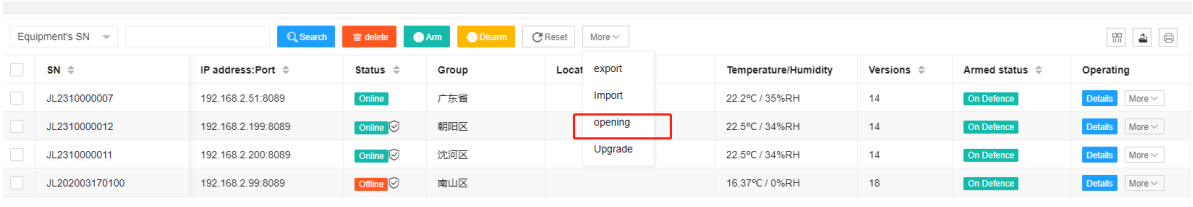
Parameter description:

- Export: Exports device data.
- Import: Import the exported device data to the platform.



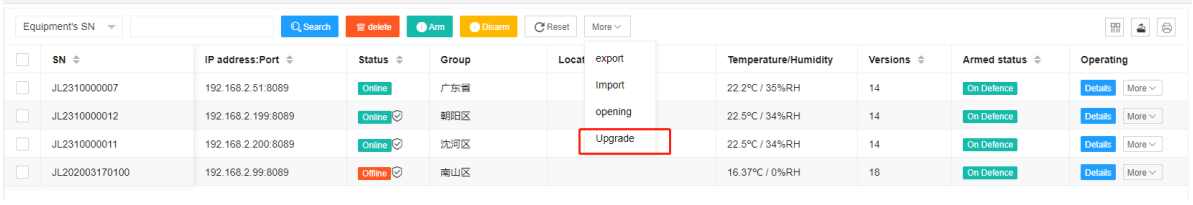
3.2.2.5. Device deployment

Function description: Import the deployment file to the device. If the device is not deployed, it can only use basic functions, such as single remote control of the power supply, reading voltage and current information, and alarm of the device opening the door. You can use the customization function after the deployment. After the device is started, a start icon is added behind the device status, indicating that the device is started.After deleting a device and adding it again, you need to start again. Contact the distributor to provide the deployment documents.



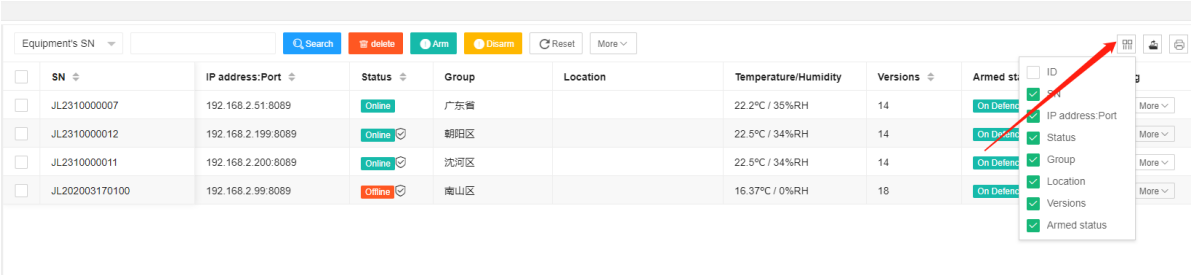
3.2.2.6. Device upgrade

Function Description: Upgrades the software version of the device.



3.2.2.7. Filters

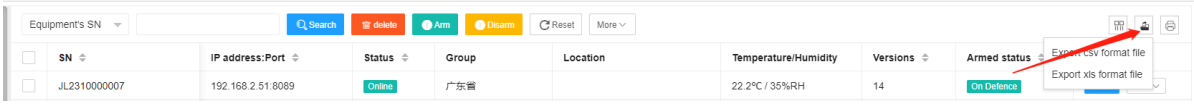
Function Description: Filters the information columns that you want to view.



Note: This filtering function will appear on multiple pages of the platform, the function is the same, and the subsequent pages will not be explained.

3.2.2.8. Export

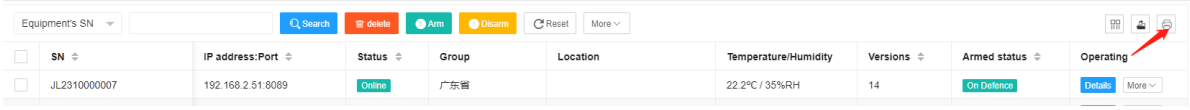
Function Description: Export information in CSV format or XLS format with one click to view or print data. This function only exports the current page information, but not all data information.



Note: This export function will appear on multiple pages of the platform, the function is the same, and the subsequent pages will not be explained.

3.2.2.9. Print

Function description: Can be connected to the printing device, print out the paper data. This function only prints the current page information, not all data information.



Note: This printing function will appear on multiple pages of the platform, the function is the same, and the subsequent pages will not be explained.

3.2.3. Device details

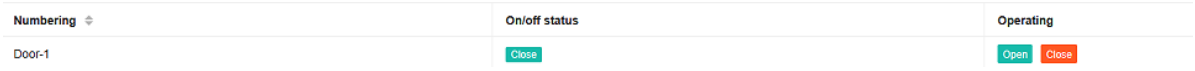
Configuration path:【Device 】>【Device list】>The Operation column of the device > Details

3.2.3.1. Overview

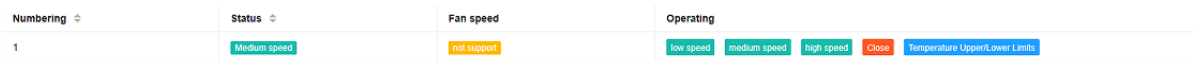
Function description: Enter the details of a single device, display the detailed data of the device and the convenient operation of some device functions.

Parameter description:

- Mains: Displays the input current and voltage of the AC
- Temperature/Humidity: Displays the operating temperature and humidity of the device.
- Door lock：Devices equipped with electronic locks can control remote door opening.

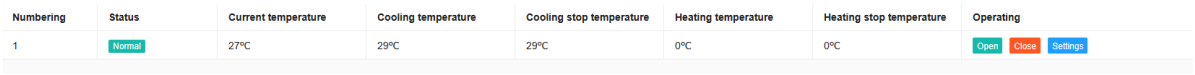


- Fan: Manually turn on or off the fan. You can set the fan speed to low, medium and high as required.



- Reclosing: remote reset reclosing, to achieve the effect of machine restart.
- Air conditioner: Remotely turn off or on the air conditioner of

the device.



Numbering	Status	Current temperature	Cooling temperature	Cooling stop temperature	Heating temperature	Heating stop temperature	Operating
1	Normal	27℃	29℃	29℃	0℃	0℃	Open Close Settings

- UPS: Displays the UPS output voltage and UPS temperature.



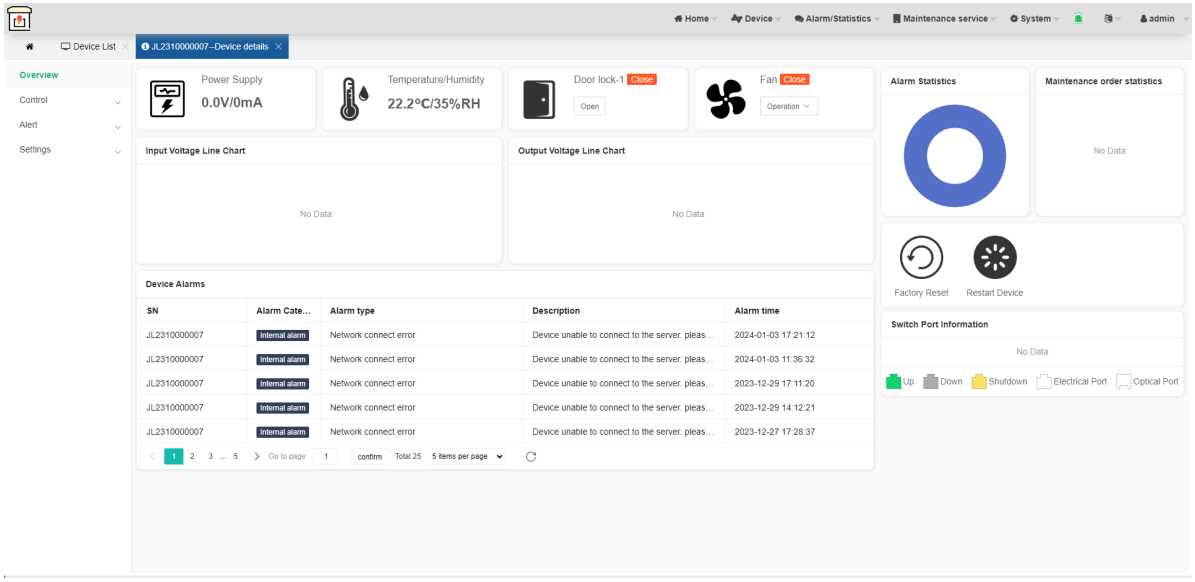
Status	Input voltage	Input frequency	Output voltage	Load ratio	Battery voltage	Temperature
Online	232V	232Hz	232V	0%	5399V	381℃

- Battery: Displays battery temperature, battery level.



Status	Temperature	Remaining electricity
Online	30.9℃	1000%

- Solar energy:Displays PV status,MPPT charge parameter settings
- Alarm light: Manually turn off/on the alarm light.
- Alarm Statistics: Collects current device alarms and alarm types.
- Work order statistics: Collects information about the current device work order and the type of work order.
- Input voltage line chart: Continuously monitor the voltage value of the input voltage, and record it, can be downloaded, and will be displayed in the form of pictures.
- Switch port information: Monitors the current working status of switch ports.



3.2.3.2. Control

Function Description: Smart box device related control.

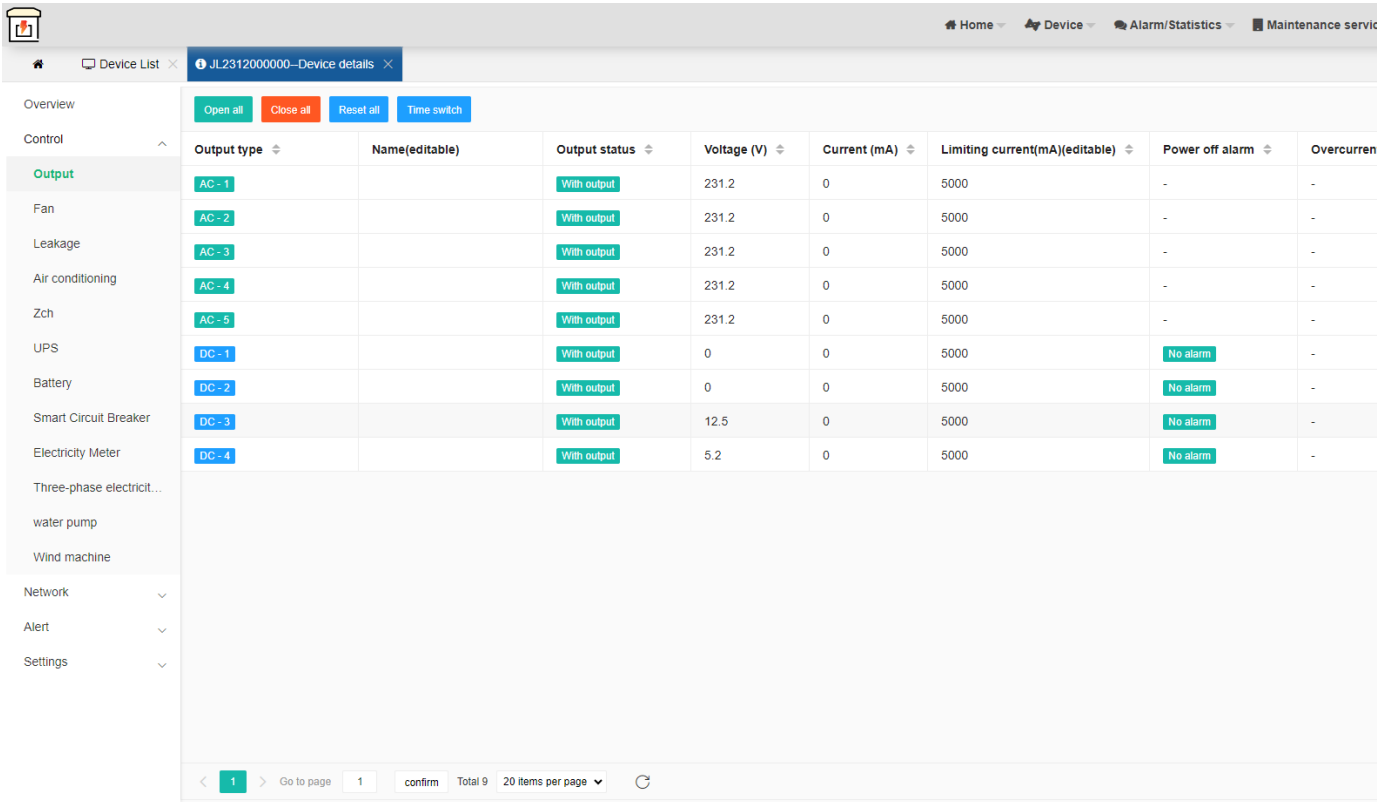
Output screen Function description: Display output voltage and current, and single remote operation control.

Parameter description:

- All on: Enables all output.
- All off: Disables all output.
- Reset all: Restarts all output.
- Timing switch: Sets the timing switch for single output of the device.
- Output type: Display output type AC/DC
- External name: Enter the name of the external device, which can be customized.
- Output status: Displays the output status and whether there is

output.

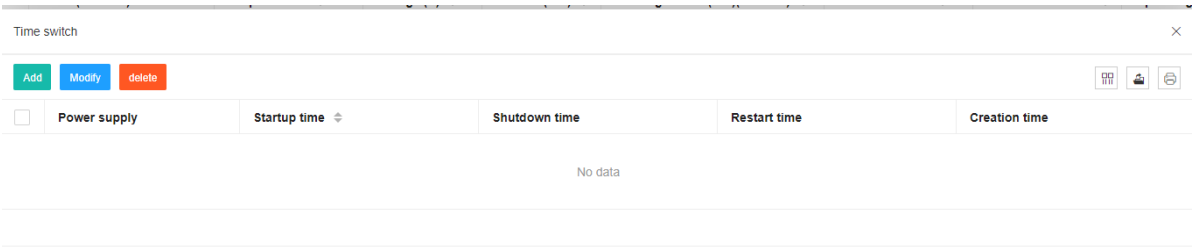
- Voltage: Displays the output voltage ， unit V.
- Current: Display output current value, unit mA.
- Limit current: can limit the maximum output current value.
- Power failure alarm: an alarm is generated when an external device is powered off.
- Overcurrent alarm: an alarm is generated when the device exceeds the specified maximum output current.
- Operation: Remote single control on/off/restart.

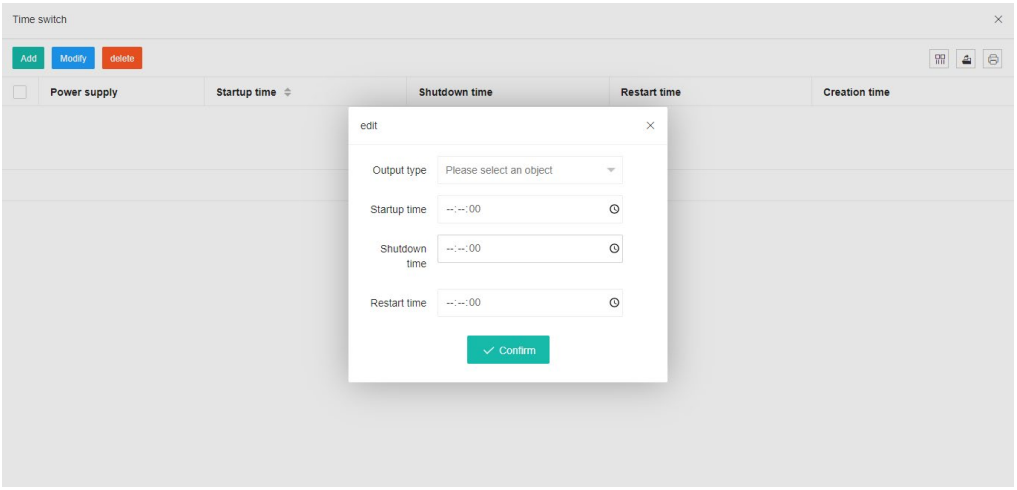


3.2.3.3. Timing switch

Function Description: Periodically controls the output of the device,

and periodically enables, disables, or restarts the device.



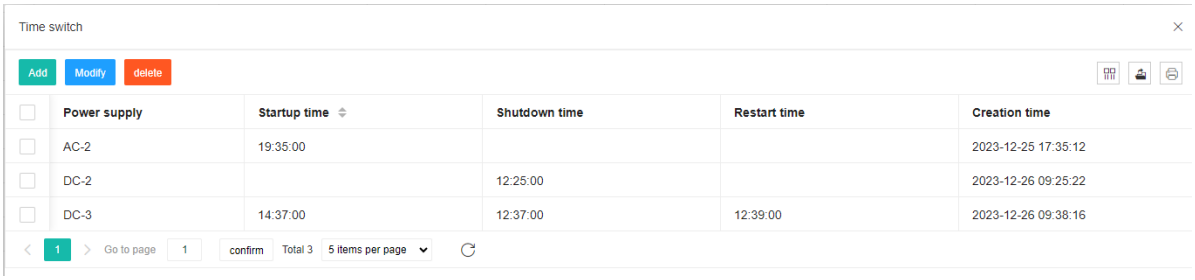


Click Add, select the required timed output line, and set the startup time, shutdown time and restart time.If you do not need to restart, you can set the restart time.Select the scheduled task period as required.

Parameter description:

- Output Type: Select an output type.
- Startup time: Set the output startup time and switch on at the point of arrival.
- Shutdown time: Set the output shutdown time and turn off switch.
- Restart time: Set the output restart time and restart switch.
- Period: Select this parameter as required.

After the setting is complete, click the "Confirm Modification" button, and the message "Operation succeeded" will pop up on the platform. If you need to modify or delete existing data, you can also perform corresponding operations on the "Timing Switch" page.

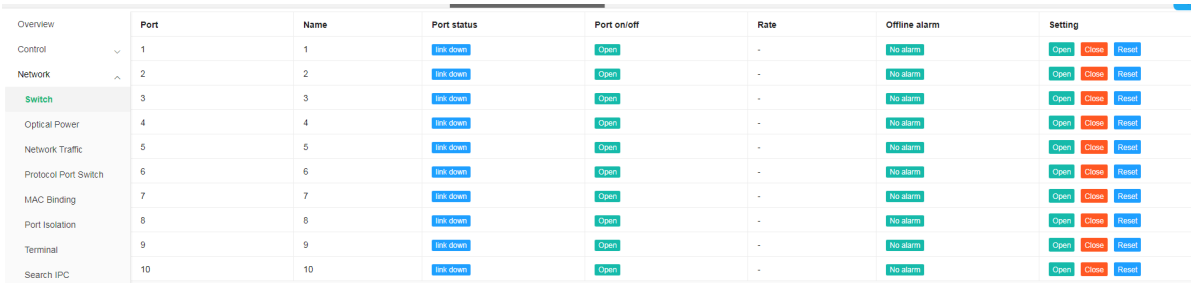


3.2.3.4. Network

Function description: View switch port status, control switch port single open/close.

Parameter description

- External name: Name of the switch port connection peripheral. The value can be modified.
- Port status: Switch port status.
- Port switch: specifies the switch port status.
- Offline alarm: The alarm is displayed when the link between the switch port is down.
- Setting: Enables or disables a single switch port.



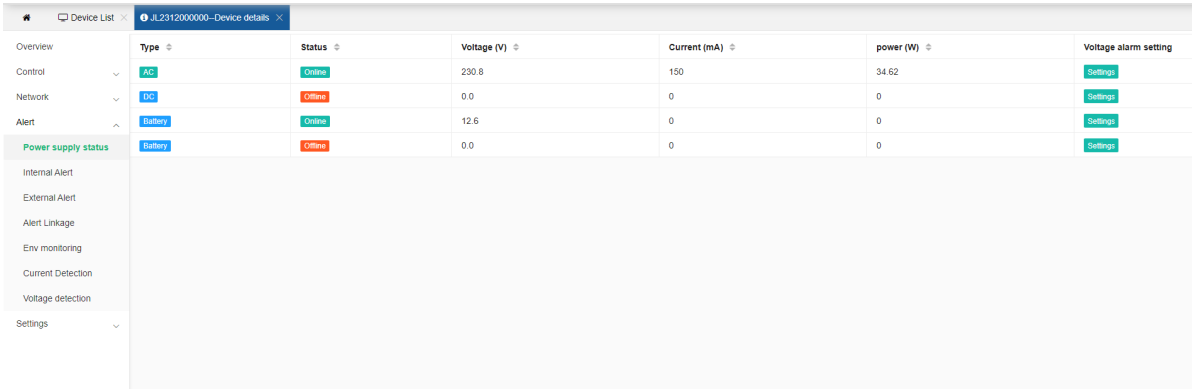
3.2.3.5. Alert

3.2.3.5.1. Power supply status

Function Description: View the input voltage and current, and front-end input power status.

Parameter description:

- Type: Input power type.
- Status: The input power is online.
- Voltage: Voltage of the input power supply, unit V.
- Current: The current value of the input power supply, unit mA.
- Power: Actual power of the input power, unit W.
- Voltage Alarm setting: Set the voltage range. If the voltage is lower than the range or higher than the range, the device sends an input voltage exception alarm.
- Battery: If the device has spare batteries, the battery status is displayed on this page.



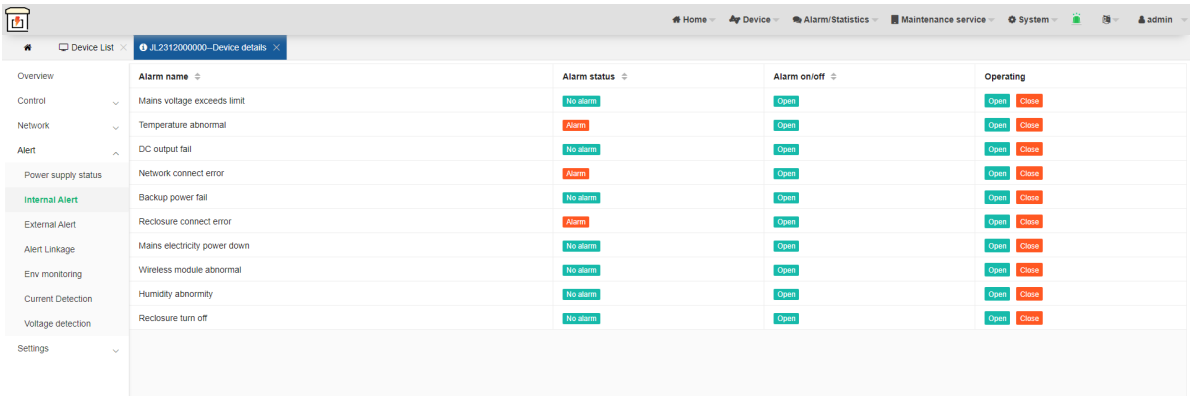
3.2.3.5.2. Internal alert

Function: An alarm is generated when an exception occurs inside the container.

Alarm description:

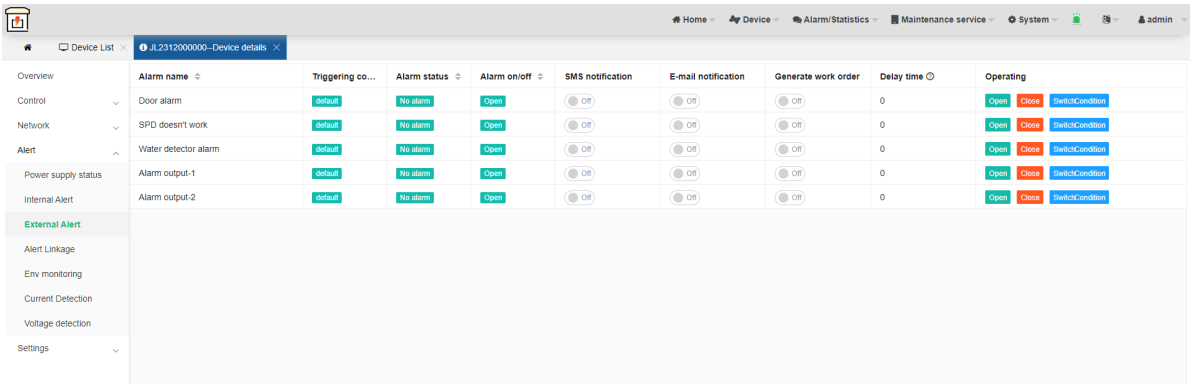
- Main voltage alarm: An alarm is generated when the input voltage is lower or higher than the set voltage.
- Abnormal temperature alarm: An alarm is generated when the temperature inside the box is lower or higher than the set temperature.
- AC output alarm: This alarm is generated when the AC external device in the device box is powered off.
- DC output alarm: An alarm is generated when the DC external device of the device box is powered off.
- Optical fiber link abnormal alarm: The alarm is generated when the link between the device and the server is disconnected and the device is offline.

- Switch port link down alarm: This alarm is generated when the link of the switch port connected to the device is down.
- Standby power abnormal alarm: This alarm is generated when the battery of the standby power supply is low or abnormally disconnected.
- Reclosing communication exception alarm: This alarm is generated when the reclosing communication link is disconnected.
- Mains power failure alarm: This alarm is generated when the mains input is off.
- Abnormal humidity alarm: An alarm is generated when the humidity inside the box is lower or higher than the specified value.



3.2.3.5.3. External alert

Function: An alarm is generated when an exception occurs outside the box.



Alarm description:

- Door open alarm: An alarm is generated when the door is opened.
- Water alarm: An alarm is generated when the bottom of the device is flooded.
- Surge alarm: An alarm is generated when the surge arrester is damaged.
- Alarm output: One alarm signal is sent, which needs to be used with the alarm linkage.

Parameter description:

- Alarm name: Specifies the external alarm name.
- Trigger condition: Default or reverse. Click the "Toggle Conditions" button in the action column to change the trigger conditions.
- Alarm status: Displays whether an alarm is generated.
- Alarm switch: Displays the current alarm switch status. Click the "On" and "Off" buttons in the operation column to control the

switch status. After the alarm is disabled, the platform does not display alarms when alarms are generated.

- SMS notification: Disable or enable. Set this parameter based on site requirements. After this parameter is enabled, users can obtain alarm notification SMS messages based on the specified mobile phone number. To use this function, you need to configure the Settings of SMS notification in [System Management].
- Email notification: Off or on. Set this parameter based on site requirements. After this parameter is enabled, you can obtain alarm notification emails from the specified email address. To use this feature, you need to configure the email notification Settings in System Management.
- Generate a work order: Disable or enable. Set this parameter based on site requirements. After this parameter is enabled, the platform generates a work order when an alarm is generated. To use this function, you need to configure the Settings for generating work orders in System Management.
- Delay: specifies the alarm delay time, expressed in seconds. When an alarm is generated, a work order is generated if the alarm duration exceeds the alarm duration. If the alarm is cleared within the time delay, no work order is generated. If the delay time value is 0, it indicates that there is no delay. Once an alarm is generated, a

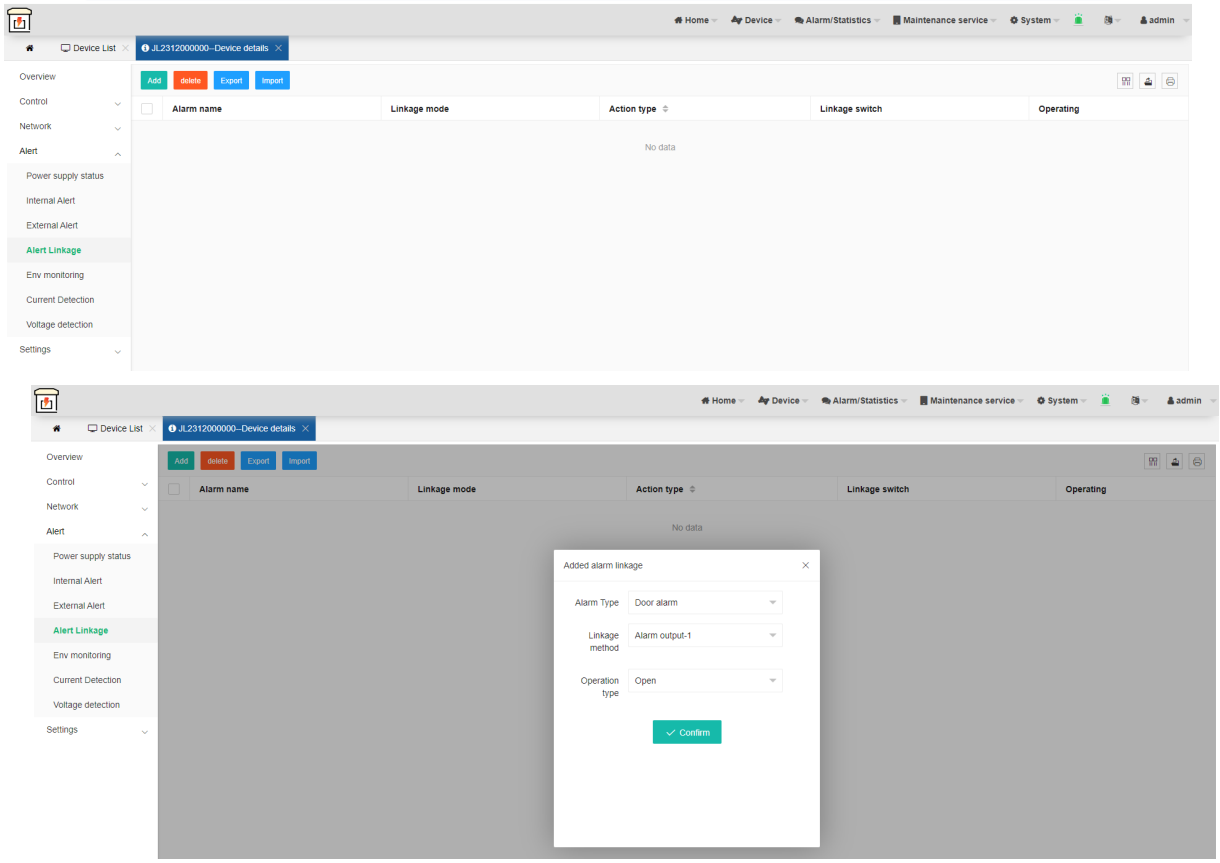
work order is generated immediately.

3.2.3.5.4. Alert linkage

Function Description: When an alarm event occurs, it triggers related devices other than the alarm device

Parameter description:

- Alarm Type: specifies the type of the triggered alarm.
- Linkage Mode: Specifies the type to be triggered by linkage.
- Action Type: Off or on.



3.2.3.6. Setting

Two Configuration path:

1.【 Device 】>【 Device List 】> Operation > More > Settings.

2.【 Device 】>【 Device List 】> Operation column of the device > Details > Settings

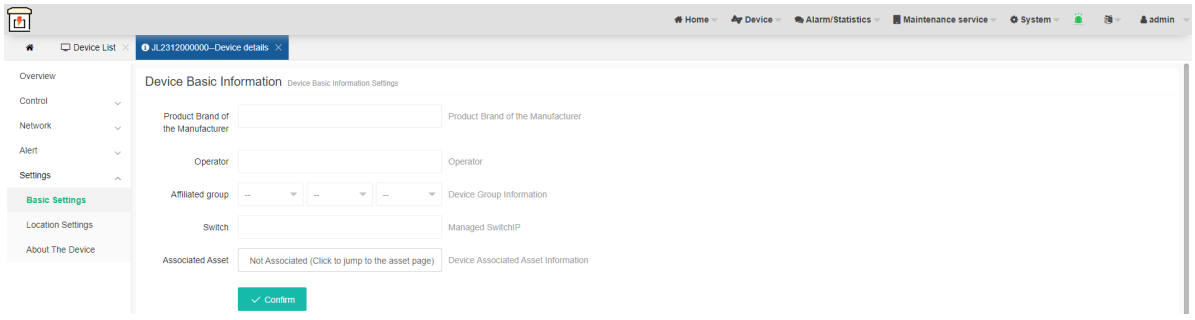
3.2.3.6.1. Basic settings

3.2.3.6.1.1. Basic device information

Function Description: Set basic information and group information about the device.

Parameter description:

- Manufacturer Brand: Enter the manufacturer of the device.
- O&M vendor: Enter the O&M vendor.
- Group: Enter the group information.
- Associated Asset: Information about the assets associated with the device.



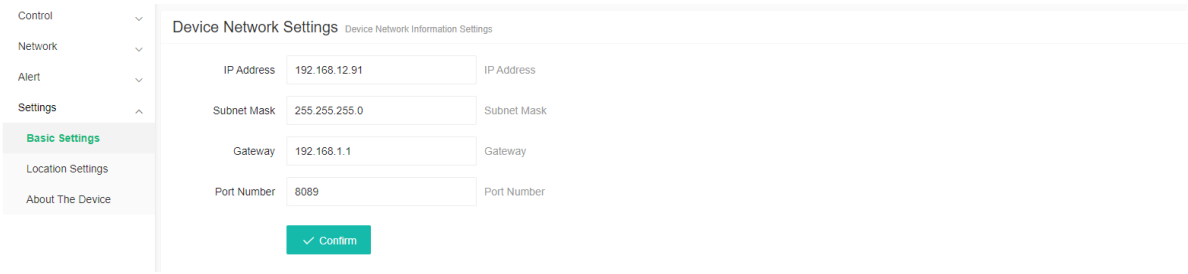
3.2.3.6.1.2. Device network Settings

Function Description: Modify the IP address, subnet mask, and gateway of the device.The IP address of the device cannot be changed when the device is offline. Therefore, exercise caution when changing

the IP address.

Parameter description:

- IP address: the IP address of the device.
- Subnet mask: the subnet mask of the device.
- Gateway: the gateway of the device.
- Port number: indicates the port through which the device reports data.

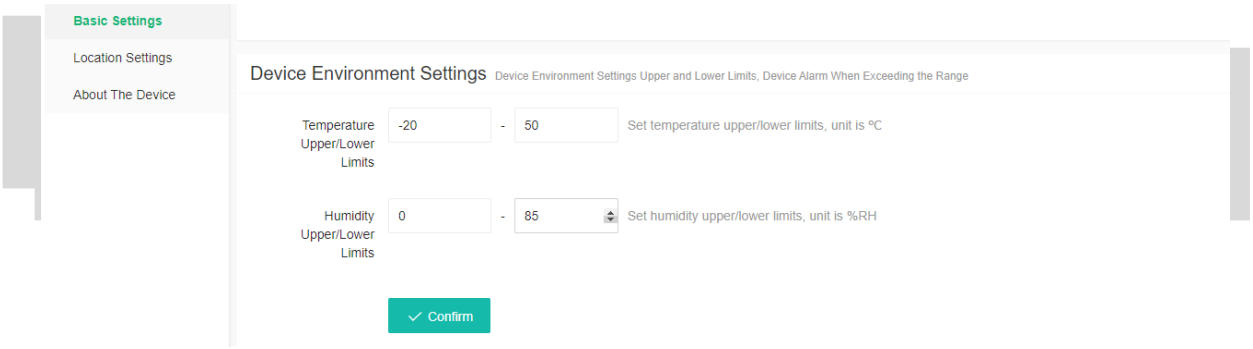


3.2.3.6.1.3. Device environment setting

Function Description: Sets the upper and lower limits of temperature and humidity. When the temperature and humidity of the device exceeds or is lower than the upper and lower limits, the device generates an alarm.

Parameter description:

- Temperature Upper and lower limits: Sets the upper and lower limits for the device temperature.
- Humidity Upper and lower limits: Sets the upper and lower limits for the humidity of the device.



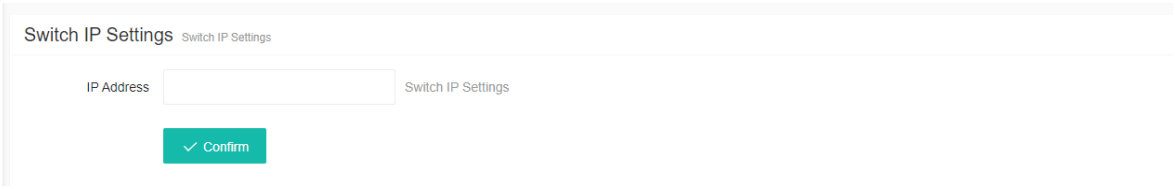
3.2.3.6.1.4. Switch IP Settings

Function Description: Set the IP address of the network management switch connected to the current device to read the switch port information and control the single port.

To use this function, you need to configure SNMP on the switch and SNMP on the platform. The path to configure SNMP on the platform is System Management > Configuration Center > Communication > SNMP Configuration.

Parameter description:

- IP address: the IP address of the managed switch



3.2.3.6.2. Location setting

Function Description: Set the geographical location of the device and display it on the map of the monitoring panel.

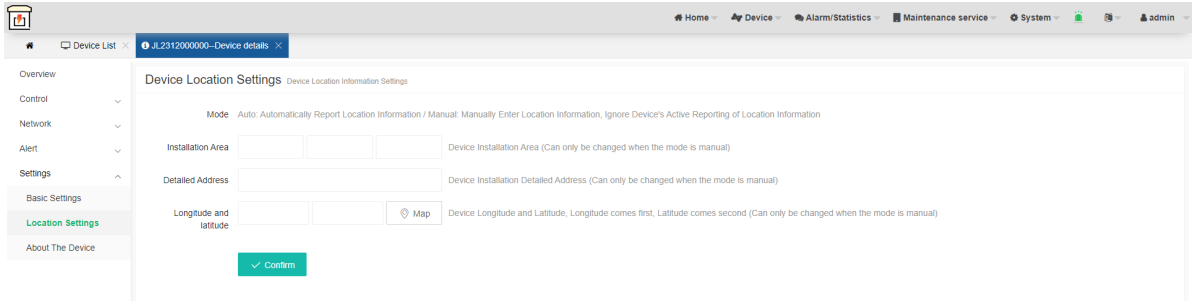
Parameter description:

➢ Mode: Geographical information can be manually filled in or automatically filled in. The automatic filling function requires a GPS module.

➢ Installation area: The range address of the device installation area.

➢ Detailed address: The detailed range address of the device installation area.

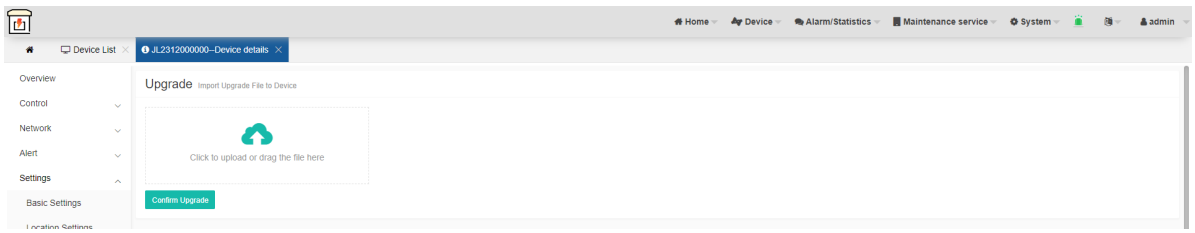
➢ Latitude and longitude: The latitude and longitude of the device. You can manually enter the latitude and longitude of the device, or you can click the "Map" after the test to select the position and fill it in automatically.



3.2.3.6.3. About the device

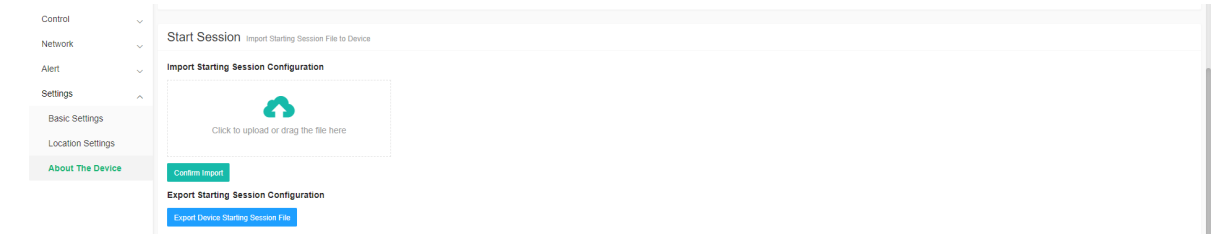
3.2.3.6.3.1. Upgrade

Function Description: Used to upgrade device software.



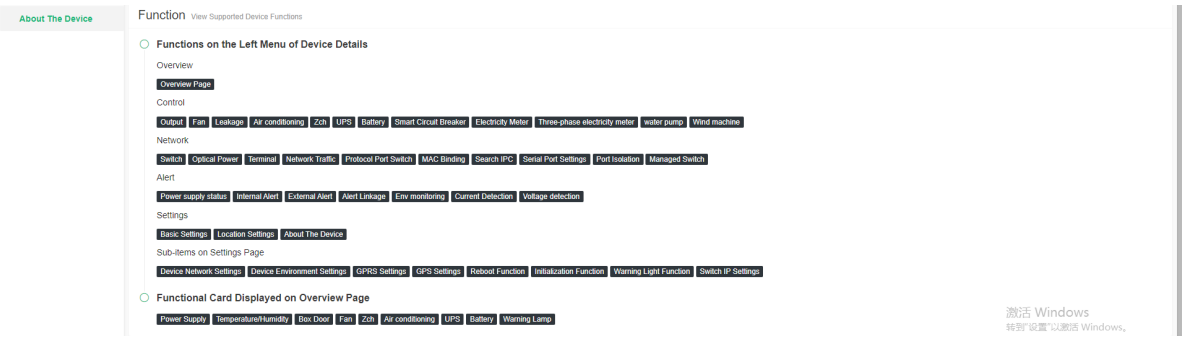
3.2.3.6.3.2. Start Session

Function description: Used to import device opening files.



3.2.3.6.3.3. Function

Function Description: Displays the available functions of the device.



3.2.4. Search device

Function Description: You can search for devices on the same network segment on the LAN. You can search for devices across network segments on the platform directly connected to a single device. After searching for devices, you can change the device IP address, subnet mask, gateway, and device server IP address.

Configuration path: 【 Device 】>【 Search Device 】



Parameter description:

- Modify: You can modify the IP address, subnet mask, gateway, and pointing IP address of the device server. For more information about the modification, please click "View Help" to obtain.
- Search device: Searches for devices on the same network segment or directly connected devices on the LAN with one click.
- Add Device: Adds the selected device to the device list. If the device IP address is disconnected from the server IP address, the added device is in offline state.
- Delete: Select a device item, click "delete", the platform will pop up "Hint: Confirm to delete the selected record", click "OK", the platform will pop up "operation succeeded", delete successfully.
- Clear: Clear all devices on the search page.

3.2.5. Assets management

Function Description: Manages assets.

Configuration path: 【 Device 】>【 Asset Management 】



Parameter description:

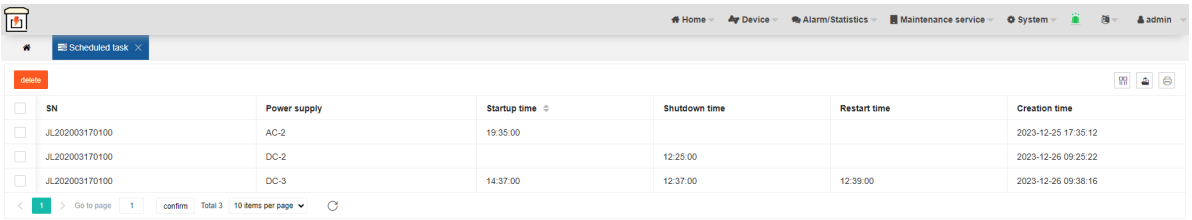
- Added: Added a device to be bound. Click Add, enter Binding Type, select Bind Device, and click OK.
- Modified: Modifies a bound device.
- Delete: Deletes a list entry.

- Detach a device: detach a device that has been bound.
- Refresh: refreshes the screen.
- Custom column: A list of custom fields. You can add or delete fields.

3.2.6. Timed task

Function Description: The output scheduled tasks of all devices are displayed on this page. You can delete scheduled tasks on this page.

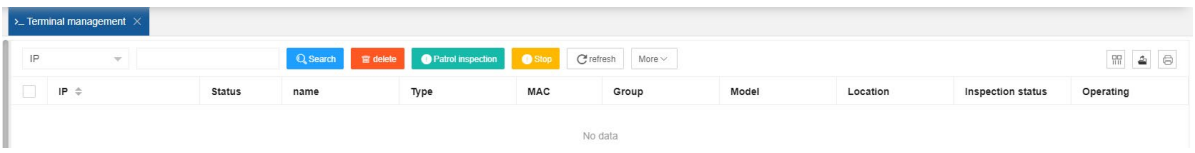
Configuration path: 【 Device 】>【 Scheduled Task 】



3.2.7. Terminal management

Function Description: Manages terminals.

Configuration path: 【 Device Management 】>【 Terminal Management 】



Parameter description:

- Group management: Select terminal devices to be added to the group. Click the Add icon next to a group to add the next level of

the group, click the Modify icon to modify the group information, and click the Delete icon to delete the group.

- Query: You can query a terminal by entering its IP address, name, or MAC address.
- Delete: Delete the terminal.
- Inspection: Periodically inspects terminal status.
- Stop Inspection: Stop the inspection operation on the terminal.
- Refresh: Refresh the screen
- More: Import data.

3.2.8. Terminal search

Function Description: Search terminal. Search by terminal type.

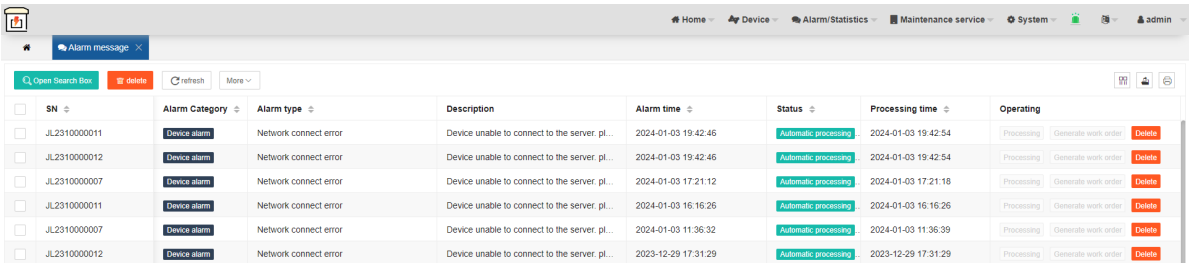
Configuration path: 【 Device 】>【 Terminal Search 】



3.3. Alarm message

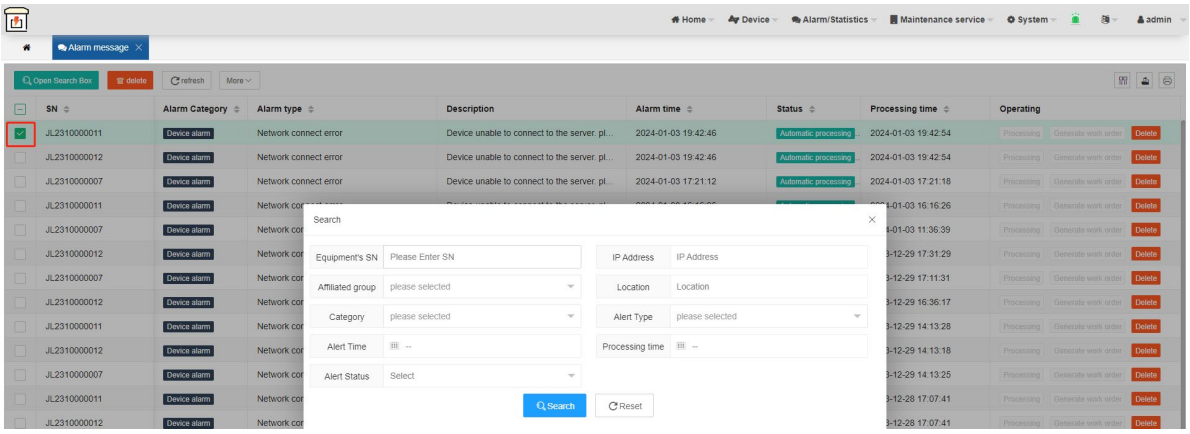
Function Description: Alarms generated by devices are displayed on this screen.

Configuration path: 【 Alarm/Statistics 】>【 Alarm Message 】



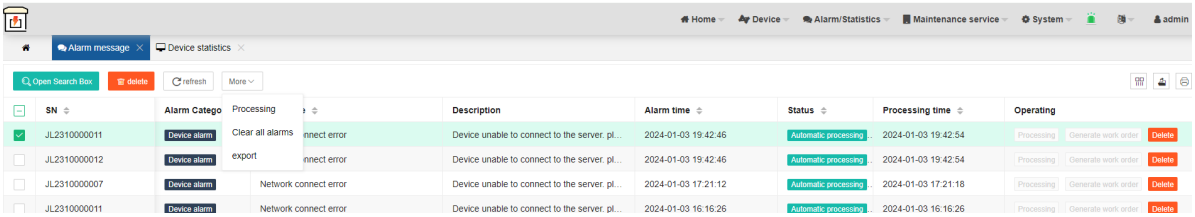
3.3.1. Search

Function: Search for a device by device ID, device group, alarm category, alarm type, alarm status, alarm time, and IP address.



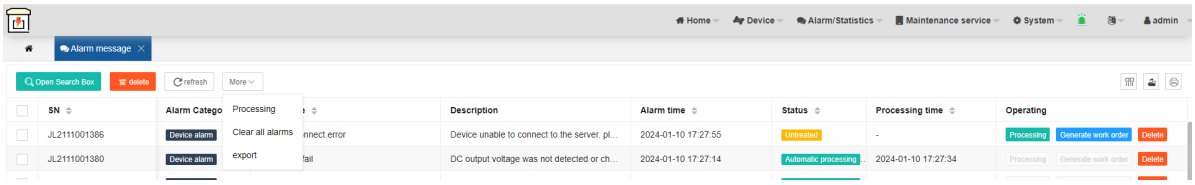
3.3.2. Alarm handling

Function Description: After an alarm is cleared, the device automatically handles the alarm. If the alarm is not handled, the alarm maintenance personnel can manually handle the alarm after confirming that the alarm is cleared. If the device alarm cannot be cleared, click Generate Work Order and send a work order to the maintenance personnel to handle the device alarm.



3.3.3. Clearing Alarm Information

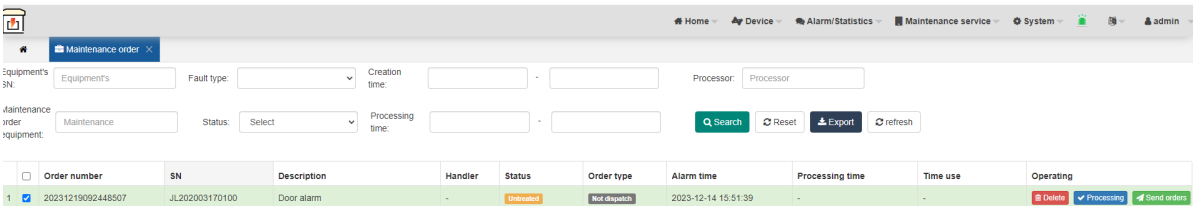
Function Description: Click OK to clear all alarm information. If you need to retain alarm information, export the alarm information first.



3.4. Work order service

3.4.1. Workorder management

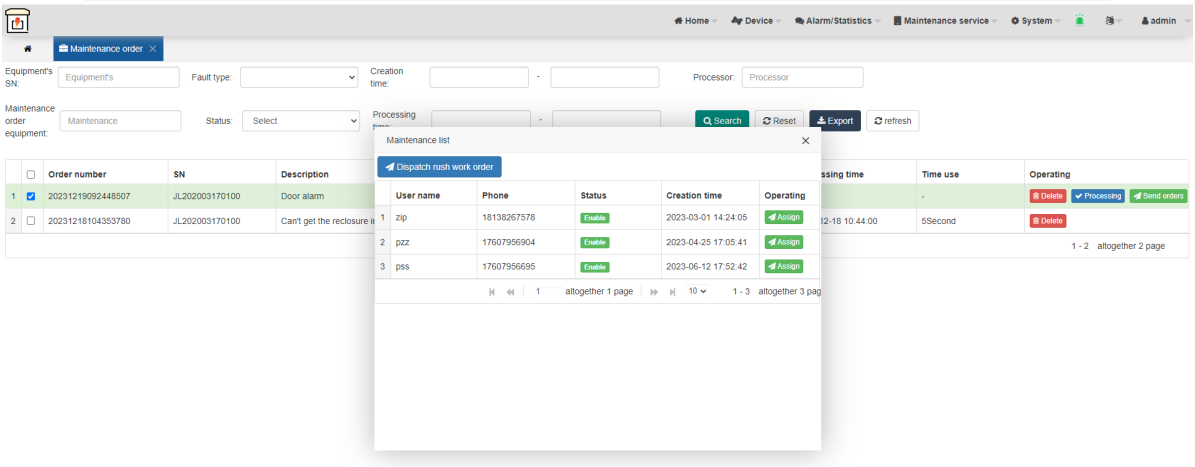
Function Description: Can carry out work order query, send order processing.



3.4.1.1 Dispatch

Function Description: You need to configure email information or SMS information before using the order sending function. Can specify the dispatch of maintenance personnel to the site maintenance, support

multi-maintenance personnel grab work order mode. The assignment order will be notified to the maintenance personnel by SMS or email.

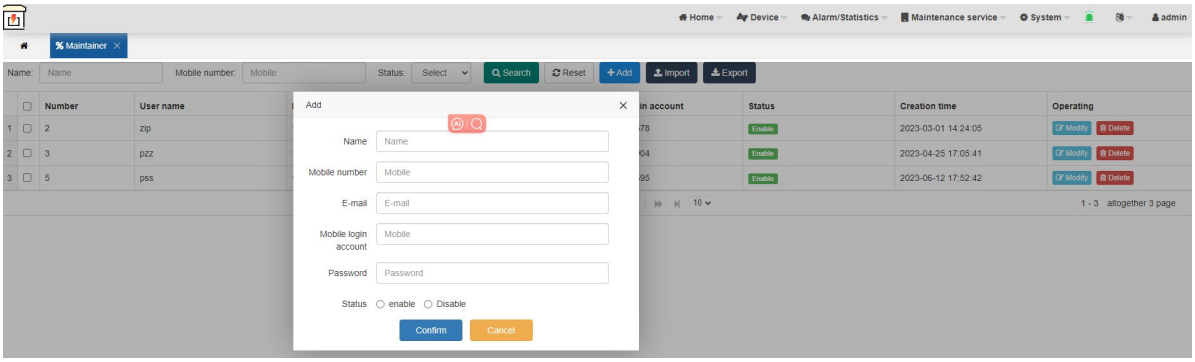


3.4.2. Maintenance personnel management

Function Description: You can add, delete, and disable maintenance personnel accounts.

3.4.2.1. Adding maintenance personnel

Function Description: Enter the name, mobile number, and email of the maintenance personnel.



3.5. System management

System Management includes configuration center, group management, system logs, operation logs, and document management.

3.5.1. Configuration center

Function Description: The configuration center is used to set basic system configurations.

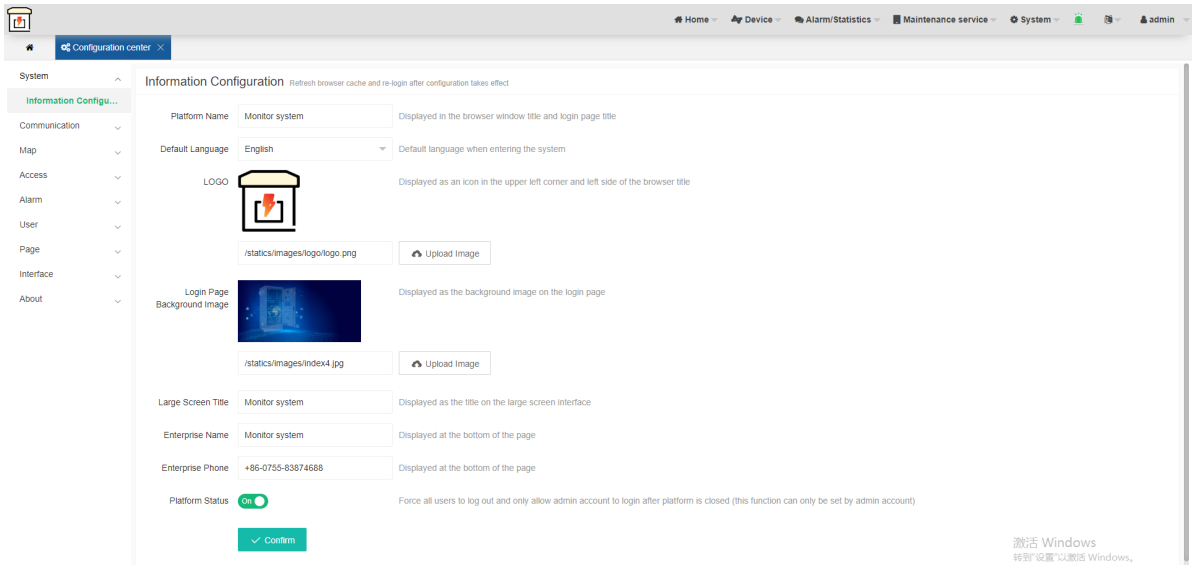
Configuration path: 【 System Management 】>【 Configuration Center 】

3.5.1.1. System

3.5.1.1.1.1. Information configuration

Function description: Personalized configuration of the system interface, see the following figure.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 System 】>【 Information Configuration 】



Parameter description:

- Platform name: displayed in the title of the browser window and login page.
- Default language: The default system language is Simplified Chinese, English, or espanol.
- LOGO：The icon displayed in the upper left corner of the browser and the left side of the browser. You can customize the upload image. Currently, you can only modify the icon displayed in the upper left corner of the platform.
- Login page background: Background image displayed on the login page. You can customize the image to be uploaded.
- Large screen title: title displayed on the large screen.
- Enterprise Name: Displayed at the bottom of the page.
- Platform status: Enabled or disabled. The Platform Status switch can be set only by the admin user. After the Platform status switch

is disabled, all users are forced offline.

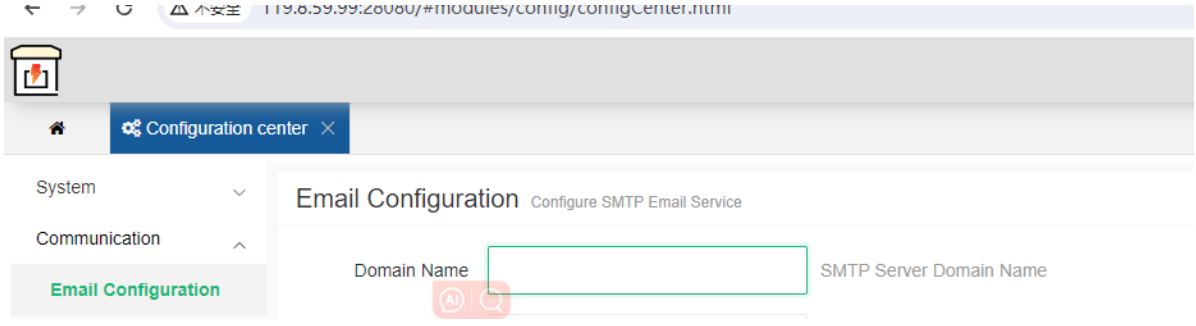
Click the "Confirm modification" button. After the message "Operation succeeded" is displayed on the platform, refresh the browser cache and log in to the platform again to make the configuration take effect.

3.5.1.2. Communication

3.5.1.2.1. Mail configuration

Function Description: Supports email alarm, notifies maintenance personnel of the fault location and fault type by email, and sends maintenance personnel to onsite maintenance in time.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Communication 】>【 Email Configuration 】

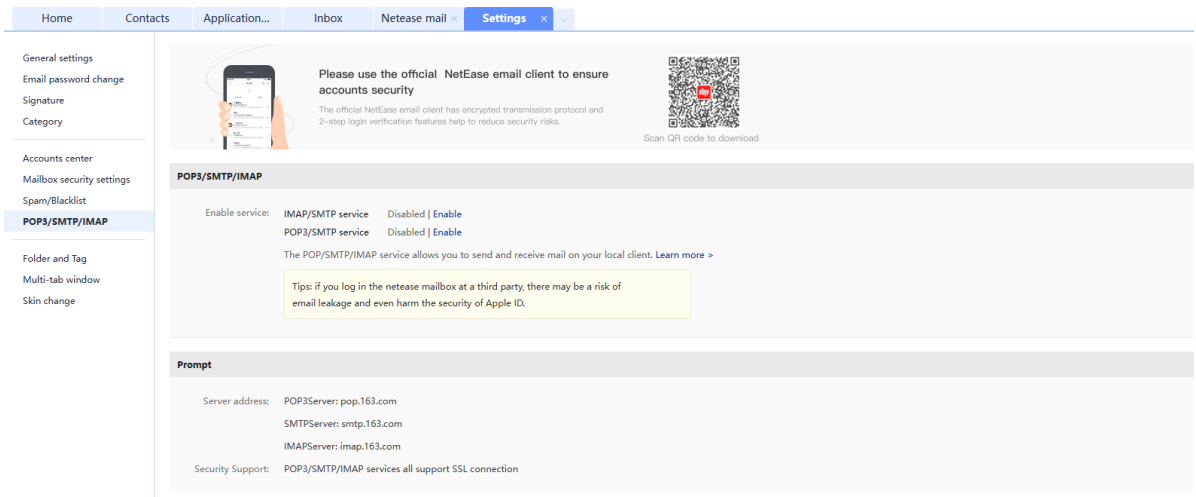


Parameter description

- Domain name: Domain name of the SMTP server. Set this parameter based on the email address type (QQ email, NetEase

email). For example, the sender's email number is NetEase Email, and the domain name is smtp.163.com. The sender's mailbox number is QQ mailbox, and the domain name is smtp.qq.com.

- Port: SMTP service port. Set this parameter based on email Settings. The SMTP port is usually 25, 587, or 465.
- Email number: Enter the email number of the sender based on the specific email number.
- User name: Specifies the user name for setting up an SMTP account, which is usually the same as the email number.
- Password: Enter the password for configuring SMTP. The SMTP service needs to be enabled on the sender's mailbox. You need to enter the password after the SMTP service is enabled for the first time when configuring the SMTP service. If the SMTP service is not changed after a successful test, you do not need to enter the email information again.



Click the "Confirm modification" button, the platform will pop up

"operation successful" words, so the password will be hidden to ensure data security, if not modified, continue to leave blank, do not need to fill in again.

- Receiving email number: The email number of the email to be received. This setting is used to test whether the email can successfully send emails after configuring the SMTP service.

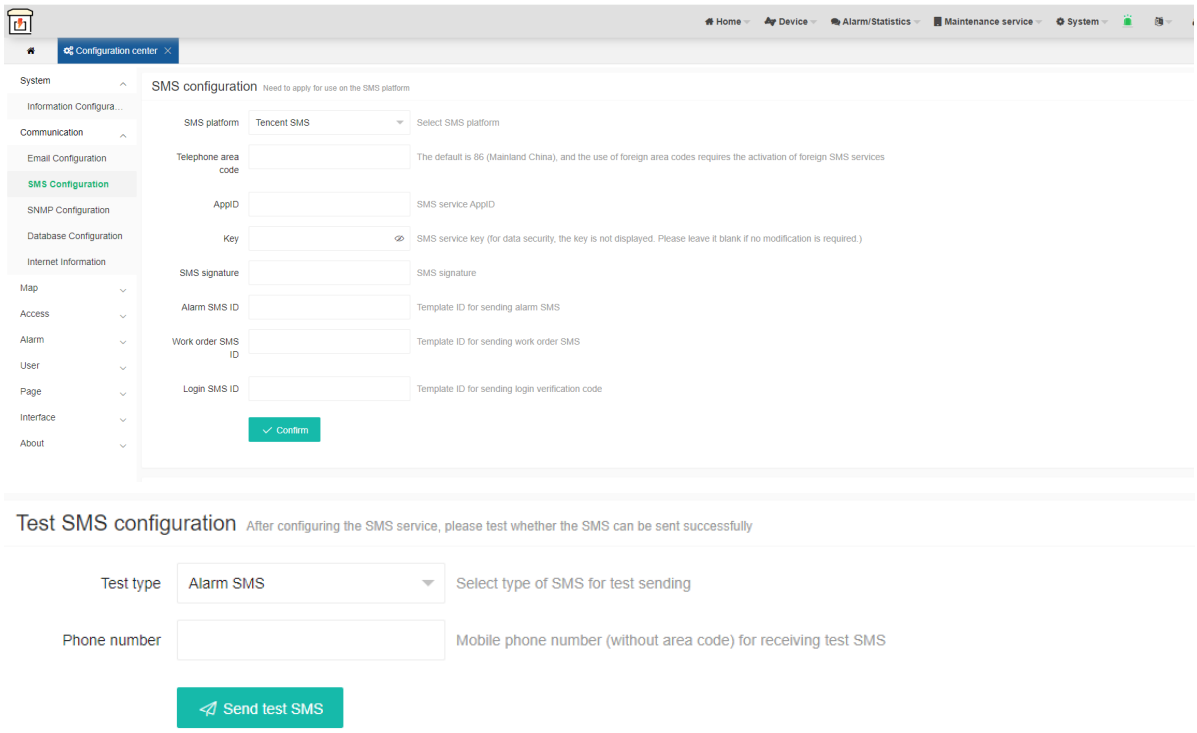
Click the "Send test email" button, the platform pops up "Operation successful", log in to the mailbox receiving the email to check, a "Configure test email" will appear, the email is sent successfully.

Tip: You need to connect to the network to send and receive emails.

3.5.1.2.2. SMS configuration

Function Description: Supports SMS alarm, notifies maintenance personnel of the fault location and fault type by SMS, and sends maintenance personnel to onsite maintenance in time. SMS configuration needs to purchase SMS service, please contact the distributor to open this function.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Communication 】>【 SMS Configuration 】



Parameter description:

- SMS platform: Select SMS platform, currently only Tencent SMS platform.
- Telephone area code: 86 (Chinese Mainland) by default. To use other area codes, you need to open overseas SMS services.
- AppID: SMS service AppID
- key: SMS service key. You need to enter the service key after the SMS service is enabled. If the key is not changed after a successful test, do not enter it again.
- SMS signature: SMS signature.
- Alarm SMS id: send the id of the alarm SMS template.
- Work order SMS id: id of the template for sending work order SMS messages.

- Login SMS id: specifies the template id that sends the login verification code.

Click the "Confirm modification" button, the platform will pop up "operation successful" words, so the password will be hidden to ensure data security, if not modified, continue to leave blank, do not need to fill in again.

- Test Type: Select alarm SMS, work order SMS, or login SMS.
- Mobile phone number: The mobile phone number to receive the test message, do not include the area code.

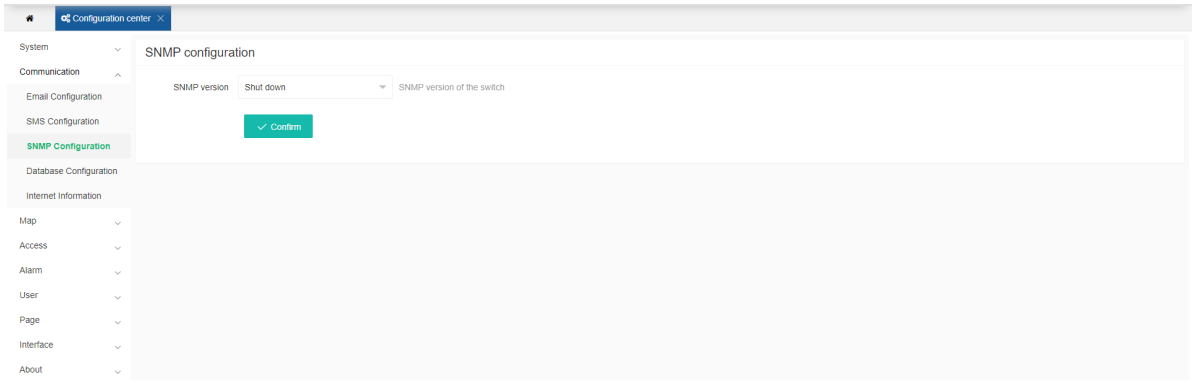
Click the "Send test SMS" button, the platform pops up "operation successful", the mobile phone receiving the test SMS check the information, successfully received the information, the test is completed.

Tip: SMS configuration requires the purchase of SMS service, if you need to activate this function, please contact the distributor to apply for use.

3.5.1.2.3. SNMP configuration

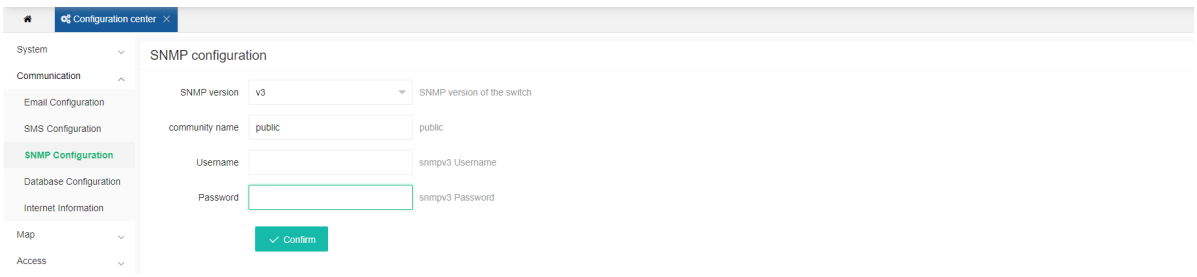
Function Description: Manages and monitors network resources in real time. After this function is enabled, you can read the port status of the network management switch connected to the device to manage and control the switch port.

Configuration path: [System Management]>[Configuration Center]>[Communication]>[SNMP Configuration]



Parameter description

- SNMP version: Switch SNMP protocol version, disabled, V1, V2C, or V3. After disabling SNMP, it is not possible to control the network management switch. Choose the SNMP version based on the switch connected to the device.
- Community name: The default is public. If it needs to be changed, keep it the same on the switch.
- Username: snmp V3 username. This parameter is mandatory only for snmpv3 and must be the same as that for switches.
- Password: snmp V3 password. This parameter is mandatory only for snmpv3 and must be the same as that for switches.



Click the "Confirm Modification" button. When the message "Operation succeeded" is displayed, the SNMP configuration of the platform is complete.

Tip: To use this function, you need to enable the SNMP read and write function

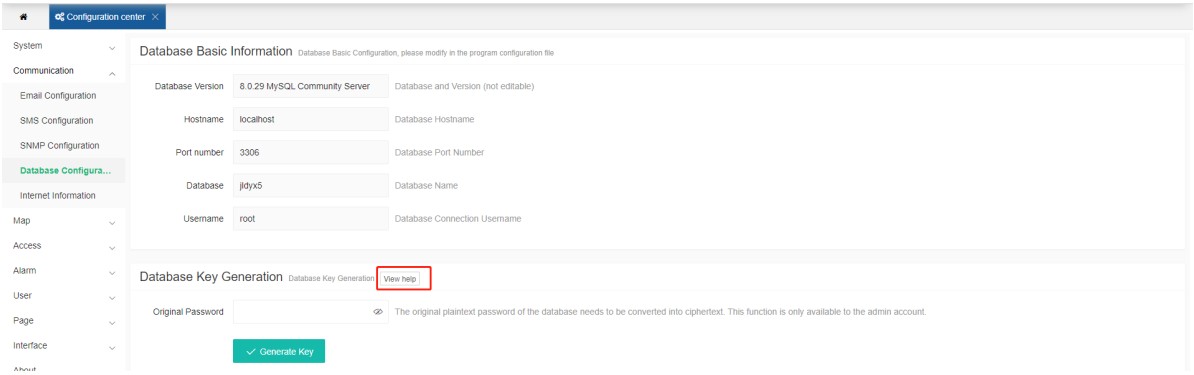
of the NMS switch.

3.5.1.2.4. Database configuration

Function Description: This page is used to display basic database information. You are not advised to modify it if necessary.

Configuration path: 【 System management 】>【 Configuration Center 】>【 Communication 】>【 Database configuration 】;

Basic database configuration. If you need to modify it, go to the program configuration file.



Parameter description:

- Database version: Displays the current database version and cannot be modified.
- Host name: Host name of the database. To change the host name, go to the program configuration file.
- Port number: the database port number. If you need to change the port number, go to the program configuration file.
- Database: Database name. If you need to change it, go to the program configuration file.

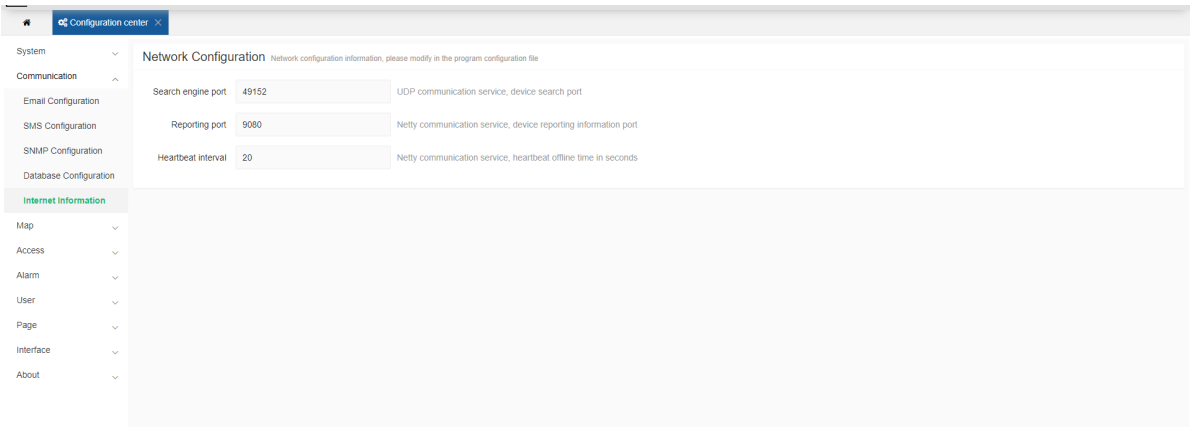
- Username: username for connecting to the database. To change the username, go to the program configuration file.
- Database key generation: the original plaintext password of the database. Only the admin account can use this function. To use this feature, click the "View Help" button next to "Database Key Generation" for more information.

3.5.1.2.5. Network information

Function Description: Indicates the network configuration information. You are not advised to change it if it is not necessary.

Configuration path: 【 System management 】>【 Configuration Center 】>【 Communication 】>【 Network information 】;

Network configuration information, if you need to modify please go to the program configuration file.



Parameter description:

- Port search: UDP communication service, search for device port, if you need to change please go to the program configuration file.

➢ Report port: indicates the Netty communication service. If you need to change the port, go to the program configuration file.

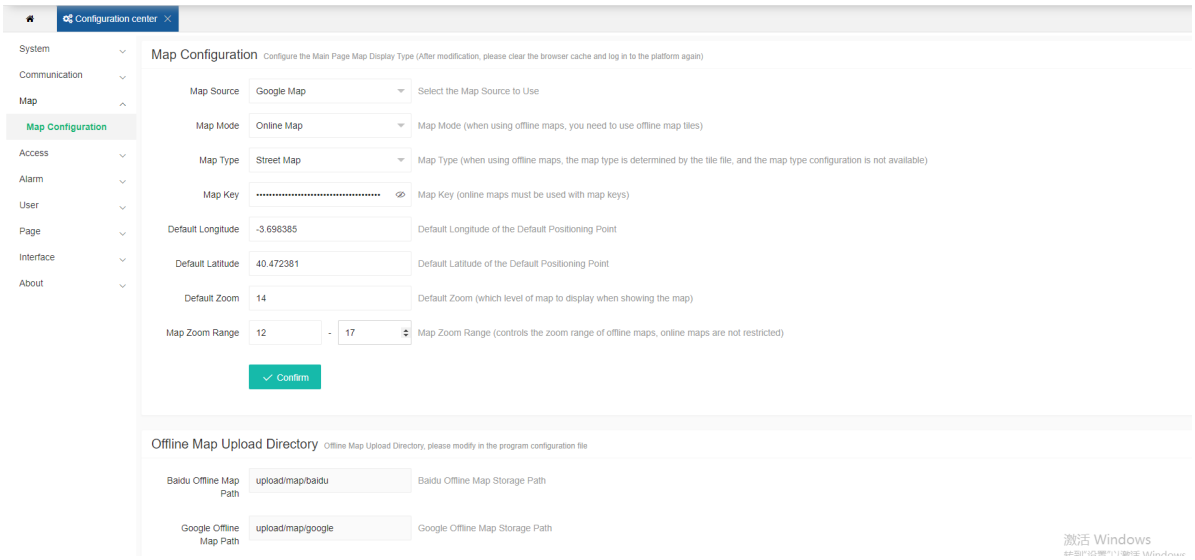
➢ Heartbeat time: Netty communication service, heartbeat offline time, in seconds. If you need to change it, go to the program configuration file.

3.5.1.3. Map

3.5.1.3.1 Map configuration

Function Description: Configure the home map display type and the latitude and longitude of the default location.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Map 】>【 Map Configuration 】



Parameter description:

➢ Map source: The map source used by the platform, Baidu Map or Google Map.

- Map Mode: Map mode, online map or offline map. Offline map tiles are required when selecting an offline map.
- Map type: Map type, street map or satellite map. When you select an offline map, the map type is determined by the tile file, and the map type configuration is unavailable.
- Map key: map key. Online maps must be used with map keys.
- Default longitude: specifies the longitude of the default anchor point.
- Default latitude: Latitude of the default anchor point.
- Default zoom: Default zoom. Which level of map is displayed when displaying the map.
- Map zoom range: Map zoom range. Control the zoom range of offline maps, online maps are not restricted.

Click the "Confirm modification" button. After the message "Operation succeeded" is displayed on the platform, clear the browser cache and log in to the platform again to make the configuration take effect. To use the automatic positioning function, the device must be equipped with a GPS function module. If you need this function, please contact the dealer in advance.

- Baidu Offline map path: indicates the path for storing Baidu offline maps. Offline map upload directory, if you need to change, go to the program configuration file.
- Google Offline Map Location: Google offline map location.

Offline map upload directory, if you need to change, go to the program configuration file.

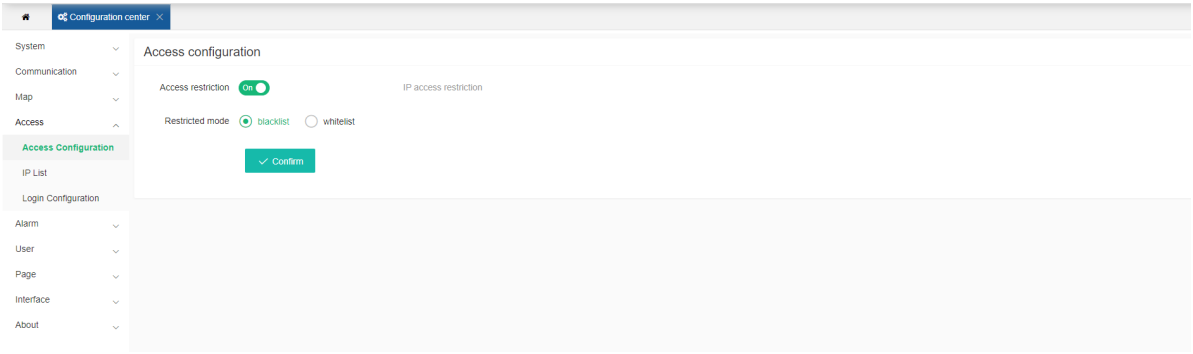
If you need to use offline maps, please contact the distributor in advance, and the offline map package will be sent together with the platform software.

3.5.1.4. Interview

3.5.1.4.1. Access configuration

Function Description: Restricts the access to the IP addresses in the whitelist.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Access 】>【 Access Configuration 】



Parameter description:

- Access Restriction: IP access restriction, off or on. Enable this function to restrict access to IP addresses in the whitelist.
- Restriction mode: blacklist or whitelist. Blacklist: IP addresses set in the blacklist are restricted, and you cannot log in to the platform. Restriction Mode Whitelist: Only the IP addresses

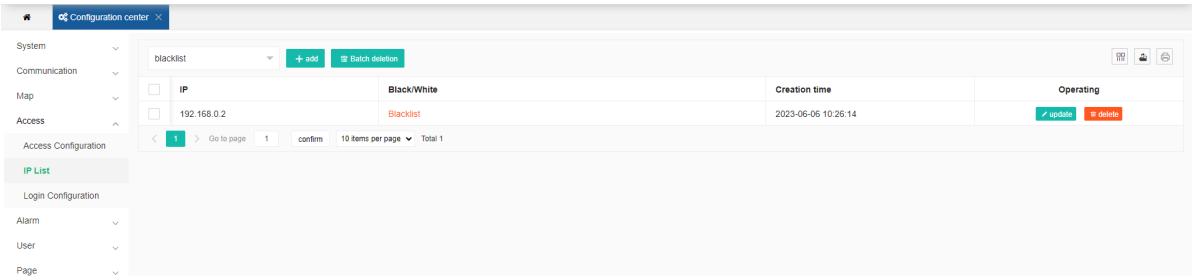
specified in the whitelist can log in to the platform.

Click the "Confirm modification" button, and the message "Operation succeeded" pops up on the platform. If you choose to enable restriction, the platform will restrict user login according to the Settings in the IP list.

3.5.1.4.2. IP list

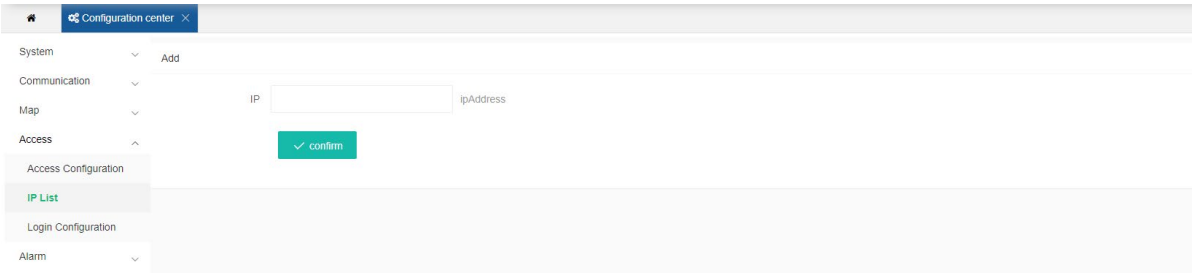
Function description: Set IP lists for blacklist and whitelist.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Access 】>【IP List 】



Parameter description:

- Select the IP address category: Blacklist or whitelist.
- New: Enter the IP address and click OK.



- Batch deletion: First select the IP list items that need to be deleted, and then click the "Batch deletion" button. When the "Prompt: Confirm to delete the selected records" is displayed on the

platform, click "Confirm". After the "Operation succeeded" is displayed, the deletion succeeds.

➢ Displays the following parameters:

IP：New IP for access restriction;

Category: Blacklist or whitelist;

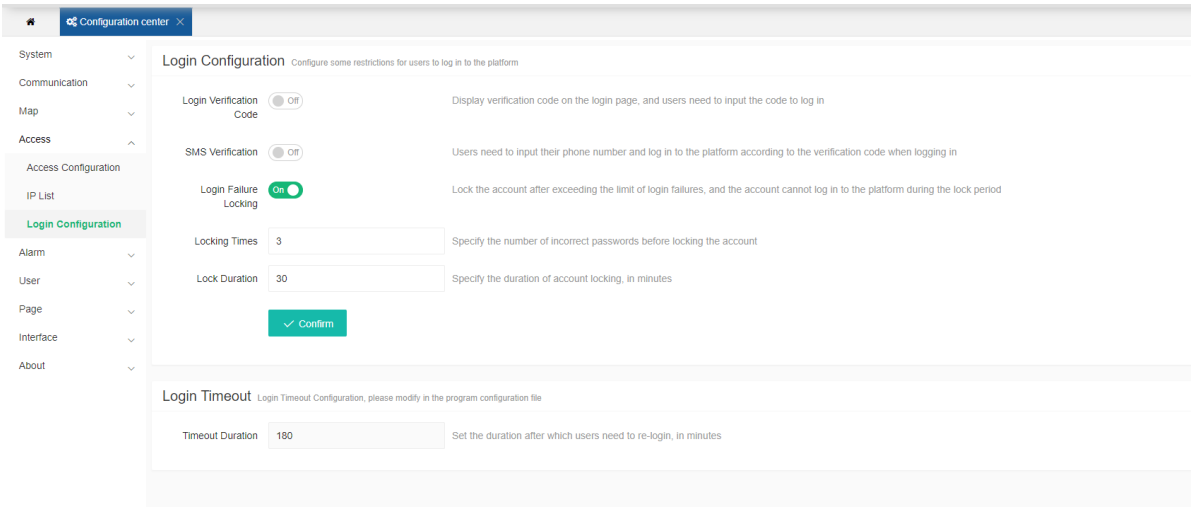
Creation time: The date when the IP address is added.

Operation: You can modify or delete the IP address of the entry.

3.5.1.4.3. Login configuration

Function Description: Configures the restriction of user login to the platform.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Access 】>【 Login Configuration 】



Parameter description:

➢ Login verification code: Disable or enable. After this is enabled, the verification code will be displayed on the login page. You need

to enter the correct verification code to log in.

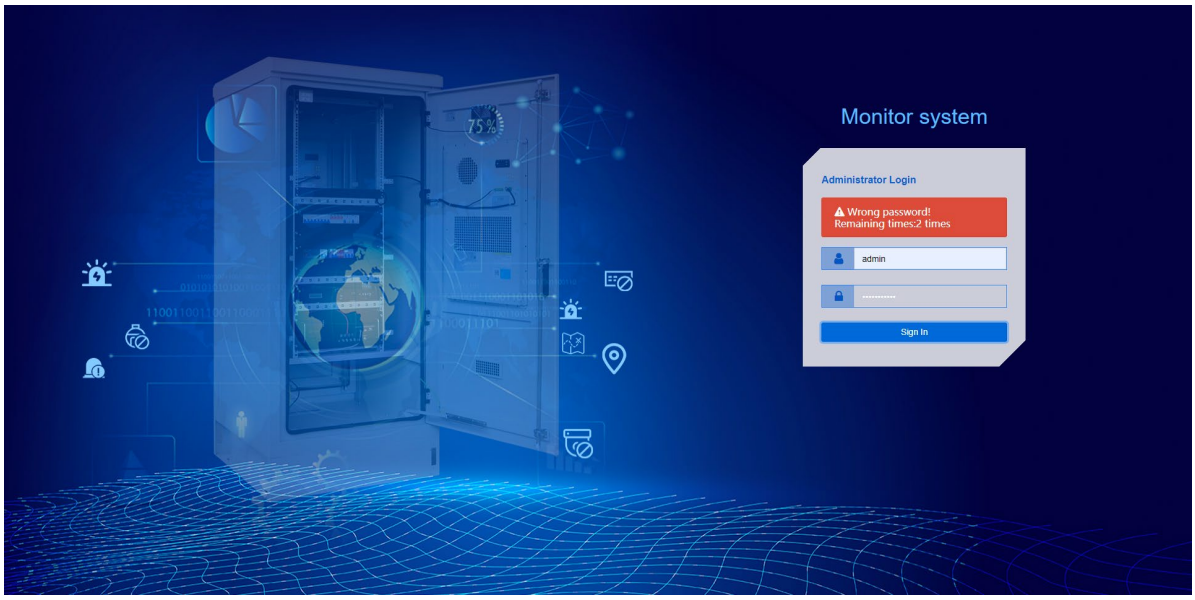


➢ SMS verification: off or on. Users enter their mobile phone number during login and log in to the platform according to the verification code. This function needs to be used with user management.

➢ Login failure lock: enable or disable. After this function is enabled, the account will be locked if the number of login failures exceeds the limit. The account cannot log in to the platform during the lock period.

➢ Lock count: Specifies the number of incorrect passwords. If the number exceeds this count, the account will be locked.

➢ Lock duration: The account will be locked out for a period, expressed in minutes.



Click the "Confirm modification" button. After the message "Operation succeeded" is displayed, you need to follow the configured authentication mode to log in to the platform next time.

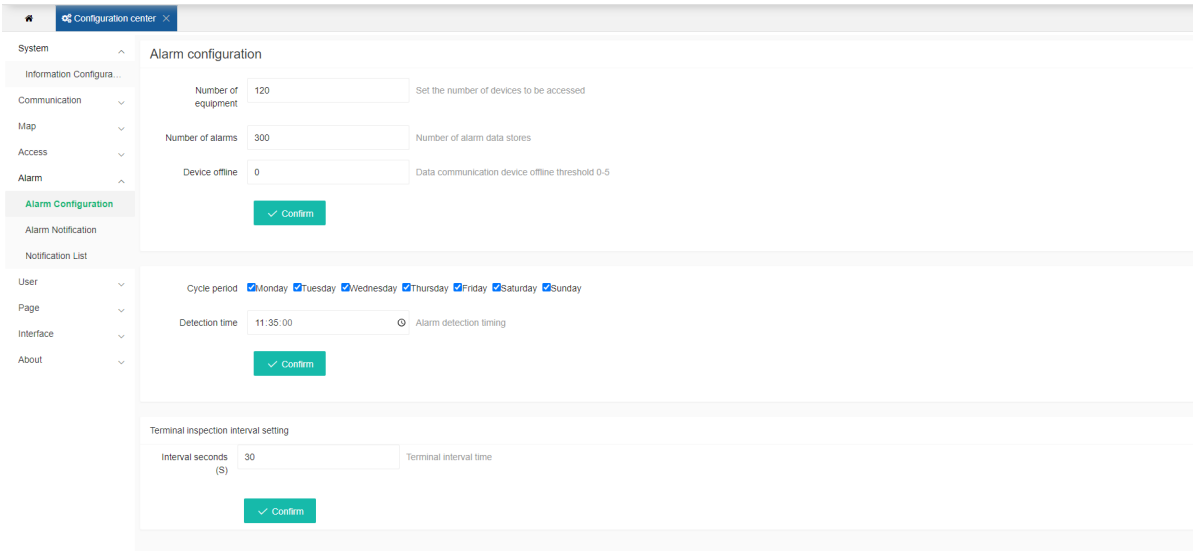
- Timeout duration: specifies the login duration after which the user needs to log in to the platform again, expressed in minutes. Login timeout configuration, if you need to modify please go to the program configuration file.

3.5.1.5. Alarm

3.5.1.5.1. Alarm configuration

Function Description: Set alarm parameters

Configuration path: [System Management] > [Configuration Center] > [Alarm] > [Alarm Configuration]



Parameter description:

- Number of devices: Specifies the number of devices to be added.
- Alarm quantity: Set the number of alarm data stores. Number of alarm messages displayed.
- Device offline: Set the data communication device offline threshold, 0-5.

Click the "Confirm modification" button, and the message "Operation succeeded" pops up on the platform. The setting is successful.

- Cycle: Select the cycle to be checked periodically.
- Detection time: Set the alarm detection time.

Click the "Confirm modification" button, and the message "Operation succeeded" pops up on the platform. The setting is successful.

- Interval (s) : indicates the interval for inspecting terminals.

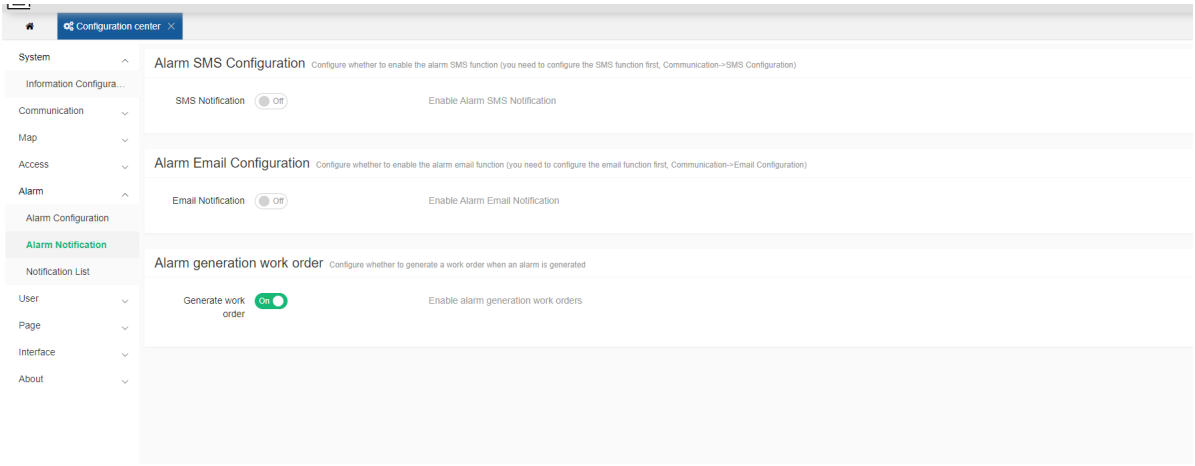
Click the "Confirm modification" button, and the message "Operation

succeeded" pops up on the platform. The setting is successful.

3.5.1.5.2. Alarm notification

Function: Indicates the alarm notification switch.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Alarm 】>【 Alarm Notification 】



Parameter description:

- SMS notification: Turn it off or on. After turning it on, device alarm information can be obtained by receiving SMS. To use this function, you need to first configure the SMS function, configure the path in [System Management]>[Configuration Center]>[Communication]>[SMS Configuration].
- Email notification: Disable or enable. After this function is enabled, you can receive device alarm information by email. To use this function, you need to configure the email function first, and configure path [System Management] > [Configuration Center] >

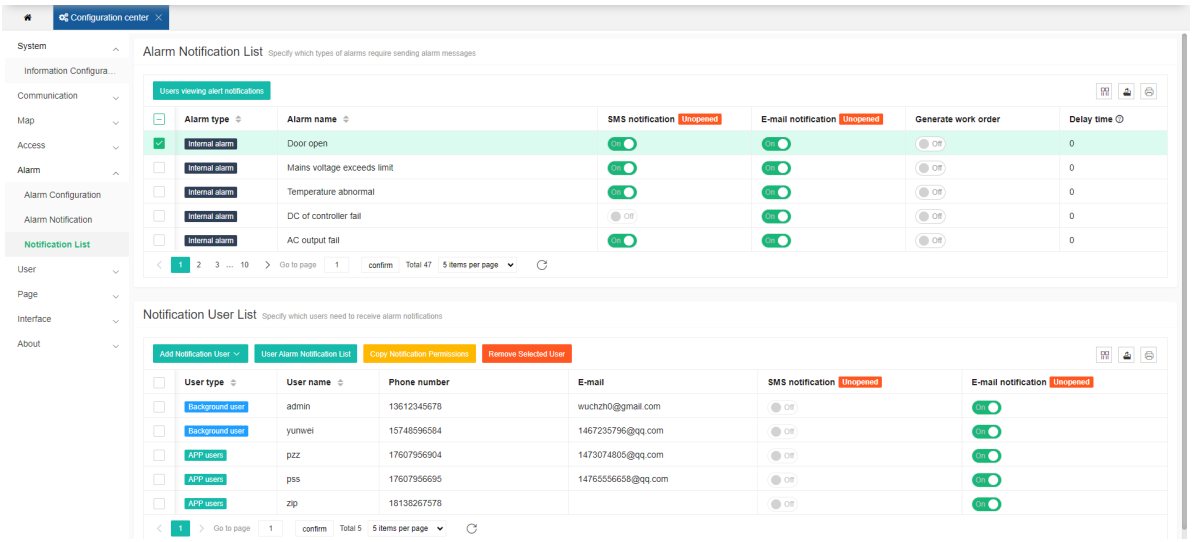
[Communication] > [Email Configuration].

➢ Generate work order: disable or enable. After the disable, no work order will be generated regardless of the number of alarms generated. After the enabled, the alarms generated will be generated according to the specific configuration. This switch is the main switch of the Generate Work Order service. If this switch is disabled, the configurations of other Generate Work order services cannot take effect.

3.5.1.5.3. Notify list

Function Description: Set alarm notification items and notification users. To enable the alarm notification function, you need to enable the alarm notification by short message and email as required.

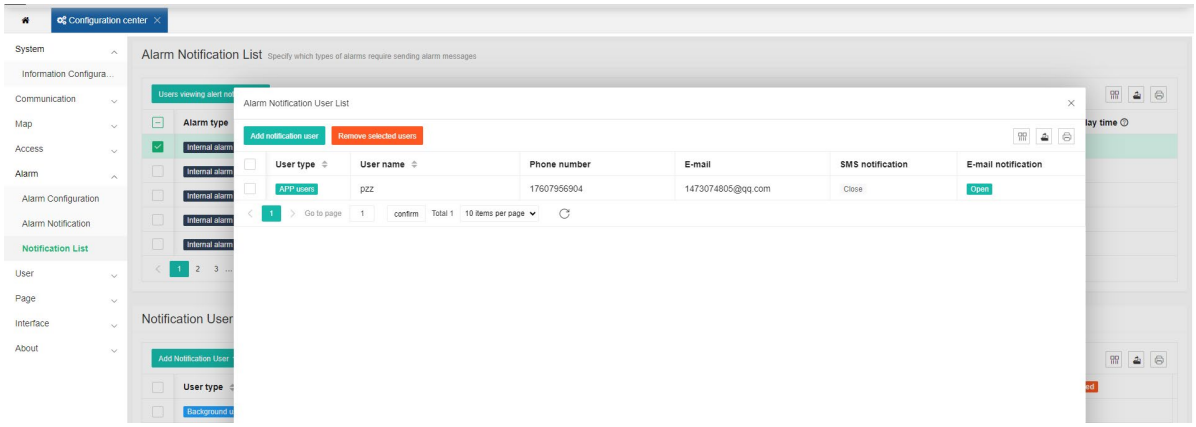
Configuration path: 【 System Management 】>【 Configuration Center 】>【 Alarm 】>【 Notification List 】



Parameter description

- Alarm Notification list: Specifies the types of alarms to be notified.
- Alarm Type: Alarm type, internal alarm and external alarm.
- Alarm name: indicates all existing alarms.
- SMS notification: Disable or enable. Set this parameter based on site requirements. After this parameter is enabled, you can receive the alarm information by SMS.
- Email notification: Off or on. Set this parameter based on site requirements. After this parameter is enabled, you can receive the alarm information by email.
- Generate a work order: Disable or enable. Set this parameter based on site requirements. After this parameter is enabled, the device generates a work order when an alarm is generated, facilitating maintenance personnel to handle the alarm.
- Delay: specifies the alarm delay time, expressed in seconds. When an alarm is generated, a work order is generated if the alarm duration exceeds the alarm duration. If the alarm is cleared within the time delay, no work order is generated. If the delay time value is 0, it indicates that there is no delay. Once an alarm is generated, a work order is generated immediately.
- Users who view alarm notifications: Select an alarm to be queried and click View Users with Alarm notification. The Alarm

notification Users List window is displayed. You can add or remove the users in the list. For example, if you select Door Opening Alarm and click View Alarm Notification Users, the users in the displayed list will receive an SMS message or email when the Door opening alarm is generated on the device after SMS Notification or Email notification is enabled.



➢ Notification Users List: Specifies the users who need to send alarm notifications.

➢ User type: Notification user type, background user or APP user.

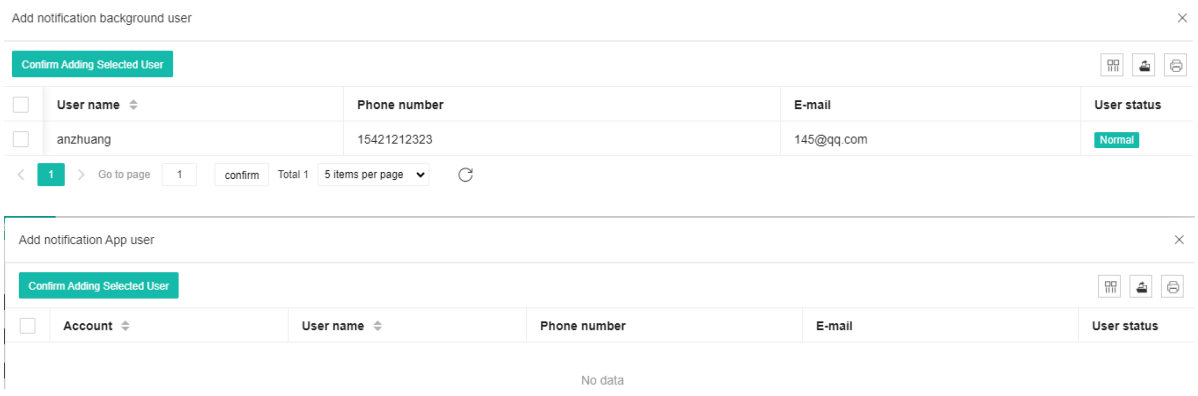
➢ Username: the username.

➢ Mobile number: Mobile number of the user who uses this account.

➢ Email: The email account of the user who uses this account.

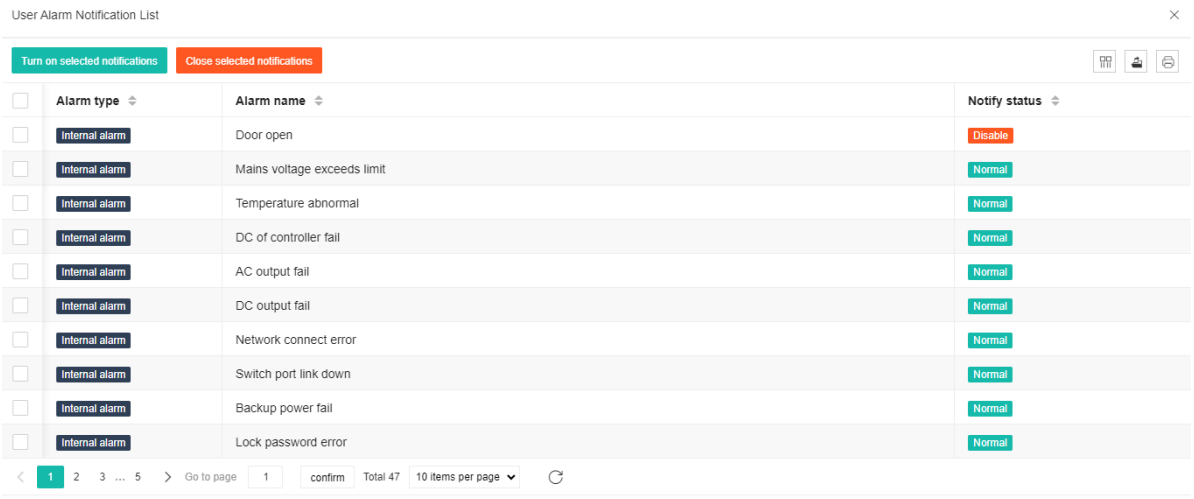
➢ SMS notification: Disable or enable. Set this parameter based on site requirements. After this parameter is enabled, users can obtain alarm notification SMS messages based on the specified mobile phone number.

- Email notification: Off or on. Set this parameter based on site requirements. After this parameter is enabled, users can obtain alarm notification emails through the specified email account.
- Adding a notification user: Adds a notification background user or an APP user.
- Click Add Notification Background Users. The list of available users will be displayed in the pop-up window. Select the user information to be added and click Confirm to add the selected user in the upper left corner. Click "Confirm", the platform pops up "operation success", the user added successfully.
- Add Notification APP users: In the pop-up window, a list of available users will be displayed. Select the user information to be added and click "Confirm to add the selected user" in the upper left corner. Click "Confirm", the platform pops up "operation success", the user added successfully.



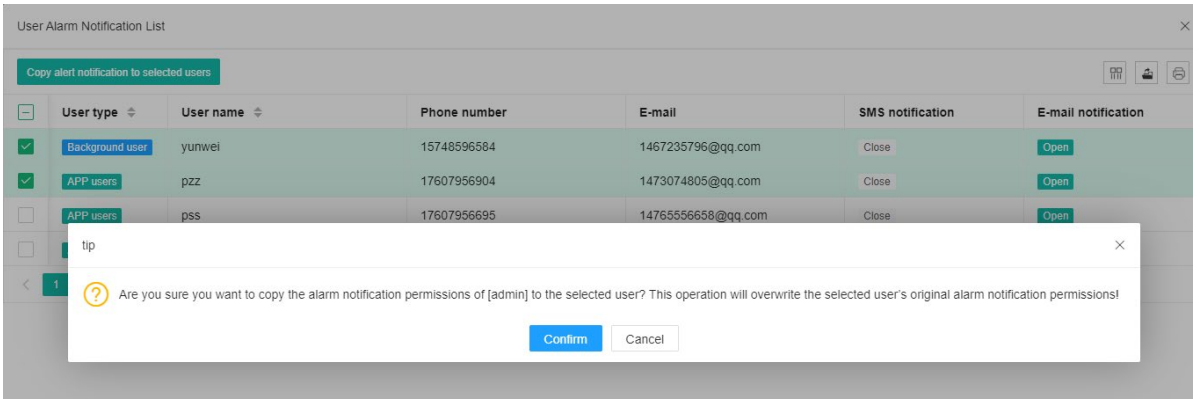
Warning: Users whose user status is Normal can be used normally. Users whose user status is Disabled cannot receive alarm notifications normally.

➢ User Alarm Notification list: Sets the alarm types that each user can receive. Select a user for which you want to set alarm notification, and then click User Alarm Notification List. The User Alarm Notification List is displayed. The list displays all existing alarm types on the platform. Click Enable Selected Notification. If the notification status is Normal, the alarm is enabled. When the alarm is generated, the user is notified by SMS or email. Click Disable. If the notification status is Disabled, the user is disabled. When this alarm is generated, the user is not notified. Click the "x" in the upper right corner to close this interface.



➢ Copy notification permission: copies a user who has set User Alarm Notification List to another user. The other users can obtain the same alarm notification list without repeating Settings. Select User 1 that has completed the User Alarm Notification list and needs to copy the list, and then click the Copy Notification Permission button. The user that has been added to the Notification

User list is displayed. Select user 2 that needs the same alarm Settings, and click Copy alarm notification to Selected User. If the message "Operation succeeded" is displayed, the replication succeeds. Click the "x" in the upper right corner to close this interface.



Tip: Copy the alarm notification permission of user 1 to user 2. This operation overwrites user 2.If you have the existing alarm notification rights, perform this operation with caution.

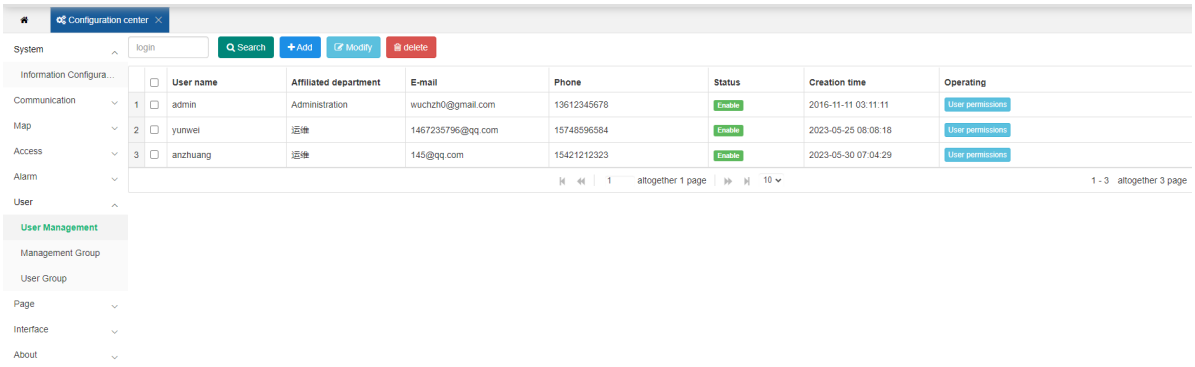
- Remove Selected users: Deletes a user from Notification Users List. Select the user to be deleted, click the "Remove selected user" button, the platform will pop up "Prompt: Are you sure to delete the selected user?" Click "Confirm", the platform pops up "operation success", the user deleted successfully.

3.5.1.6. User

3.5.1.6.1. User management

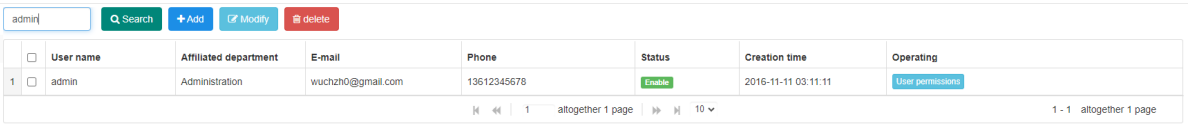
Function Description: Set the platform login user.

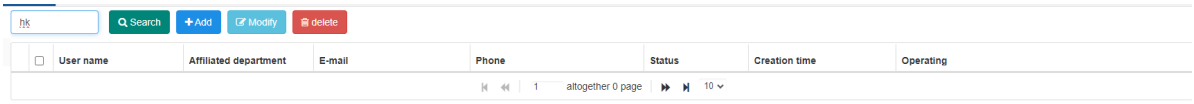
Configuration path: 【 System Management 】>【 Configuration Center 】>【 User 】>【 User Management 】



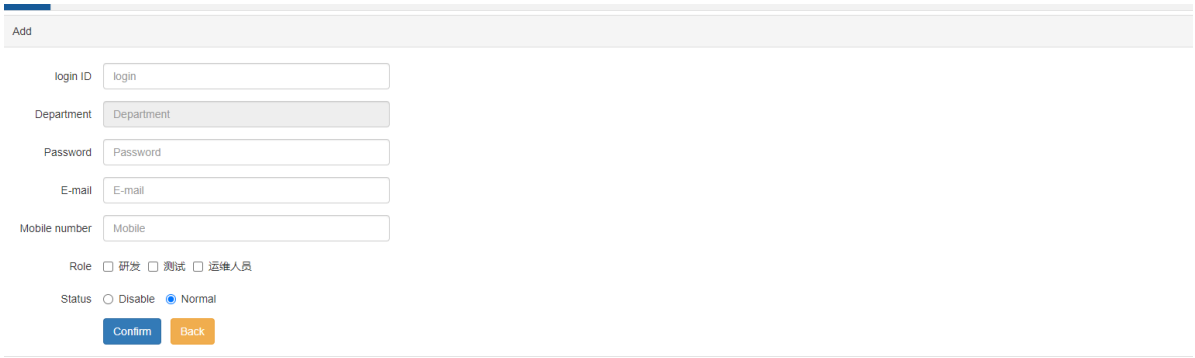
Parameter description:

➢ Query: Query an existing account. Enter the user name to be queried in the box before the "Query" button, and click "Query". If the user name exists, the page will display the user information; if the user name does not exist, the page will be blank.





➢ Added: Adds a user. Click the "Add" button to jump to the new interface and fill in the account information according to the specific requirements.



➢ Added parameters on the page.

Account: User name for logging in to the platform. It can be customized.

Owning Management group: Groups user groups and sets data permissions. The value cannot be empty.

Password: The user password used by the user to log in to the platform, which can be customized.

Email: The email account of the user to which the account belongs.

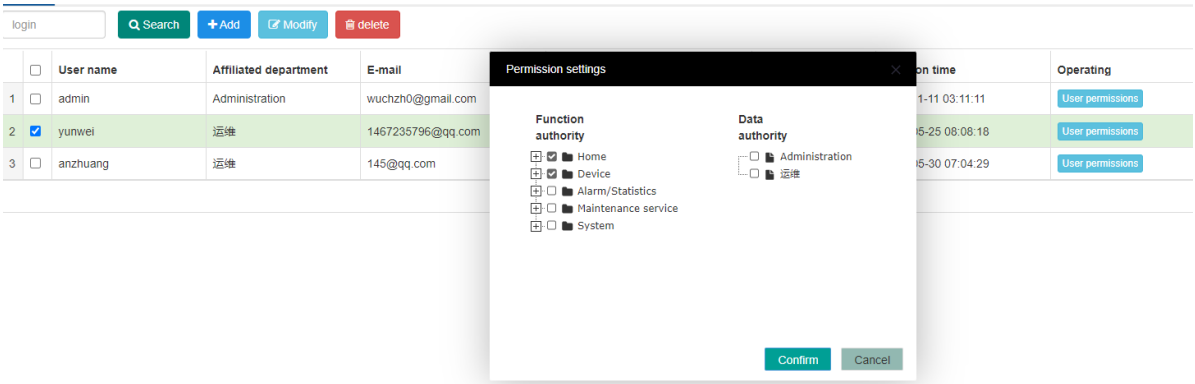
Mobile number: Mobile number of the user to which the account belongs.

User group: Set exclusive rights for users. This parameter is optional.

Status: Disabled or Normal. After you set Disable, the status of the user management list is Disabled, and the account cannot be used normally. After Normal is set, the status of the user management list is Enabled, and the account can be used normally.

After the setting is complete, click "OK" and the message "Operation succeeded" pops up on the platform, and the account is successfully added.

- Modify: Modify user information. First, select a user whose information needs to be modified, then click the Modify button, modify the user information according to the specific requirements, click the "OK" button when the modification is complete, and the "Information: Operation succeeded" pop-up window will pop up on the platform. Click the "OK" button to complete the modification.
- Delete: Deletes the user information. First select the user to be deleted, and then click the "Delete" button, the platform will pop up "Information: Are you sure to delete the selected record?" Click "OK", the platform will pop up "Information: operation success", click "OK" button again, delete successfully.
- User Management List: Displays information about all users. In the operation column, you can set "User rights", click the "User rights" button in the operation column of the user whose permission you want to set, select the rights as required in the pop-up window, and click "Confirm" button after completion. "Information: Operation succeeded" will be displayed on the platform, and click "OK" button to complete the setting.

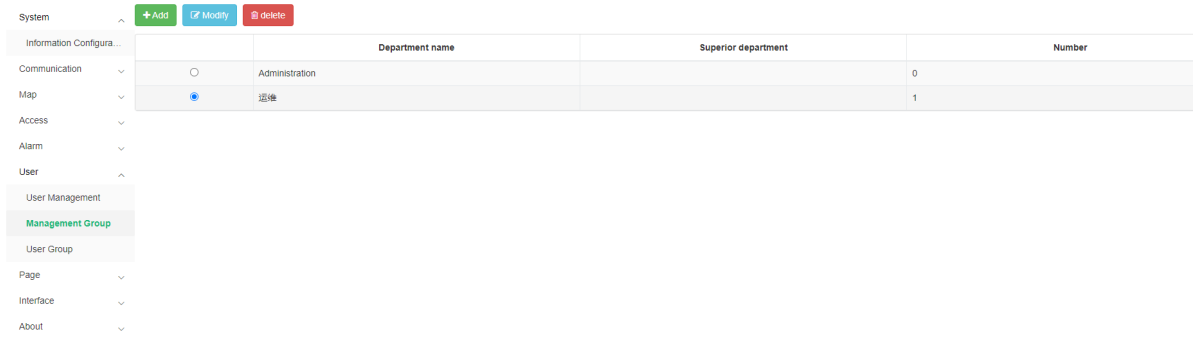


Tip: Administrator admin has all permissions by default and cannot be modified.

3.5.1.6.2. Management group

Function Description: Group user groups and set data permissions.

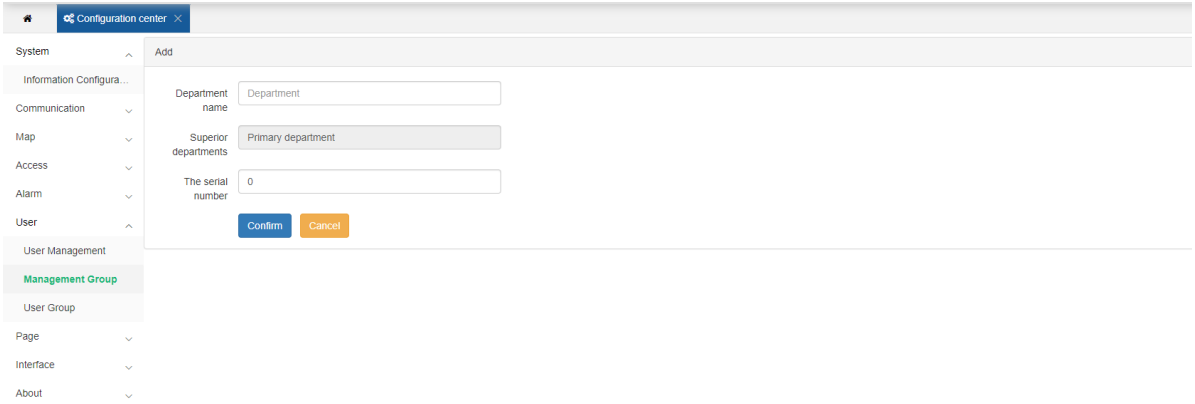
Configuration path: 【 System Management 】>【 Configuration Center 】>【 User 】>【 Management Group 】



Parameter description:

- Added: Adds a management group. Click "Add" button to set the management group name, which can be customized; Select the upper-level management group according to the specific requirements; The value is sorted based on the location of the new management group. Click the "OK" button when the setting is

complete. "Information: Operation succeeded" will pop up on the platform. Click "OK" again to complete the addition.



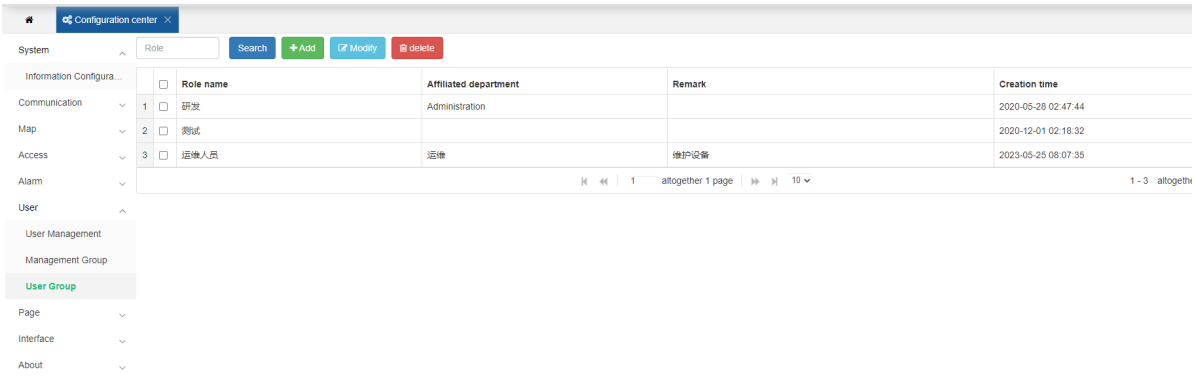
➢ Modify: Modifies the management group information. Select a management group and click Modify to modify the information as required. Click the "OK" button after the setting, the platform will pop up "Information: Operation succeeded", click "OK" again, the modification is successful.

➢ Delete: Deletes the management group. Select a management group information that you want to delete, click the "Delete" button, the platform will display "Message: Are you sure to delete the selected record?" Click "OK", the platform pops up "Information: operation success", click "OK" again, the deletion is successful.

3.5.1.6.3. User group

Function description: Group users and set function permissions.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 User 】>【 User Group 】

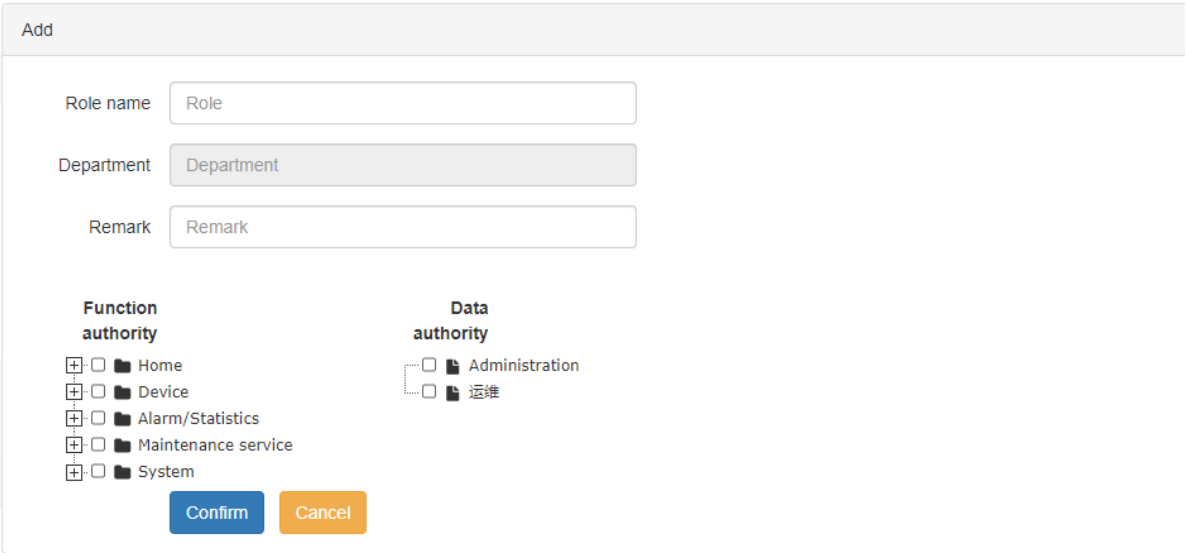


Parameter description：

- Query: Queries an existing user group. Enter the name of the user group to be queried in the box before the "Query" button, and click "Query". If the user group exists, the page will display the information about the user group. If the user group does not exist, the page will be blank.



- Added: A user group is added. Click the "Add" button to set the user group name, which can be customized; Select a management group as required. Remarks can be customized. Select permissions as required. Click the "OK" button when the setting is complete. "Information: Operation succeeded" will pop up on the platform. Click "OK" again to complete the addition.



➢ Modified: modifies the user group information. Select a user group and click the "Modify" button to modify the information as required. Click the "OK" button after the setting, the platform will pop up "Information: Operation succeeded", click "OK" again, the modification is successful.

➢ Delete: Deletes a user group. Select the information of a user group to be deleted and click the "Delete" button. "Message: Are you sure to delete the selected record?" will pop up on the platform. Click "OK", the platform pops up "Information: operation success", click "OK" again, the deletion is successful.

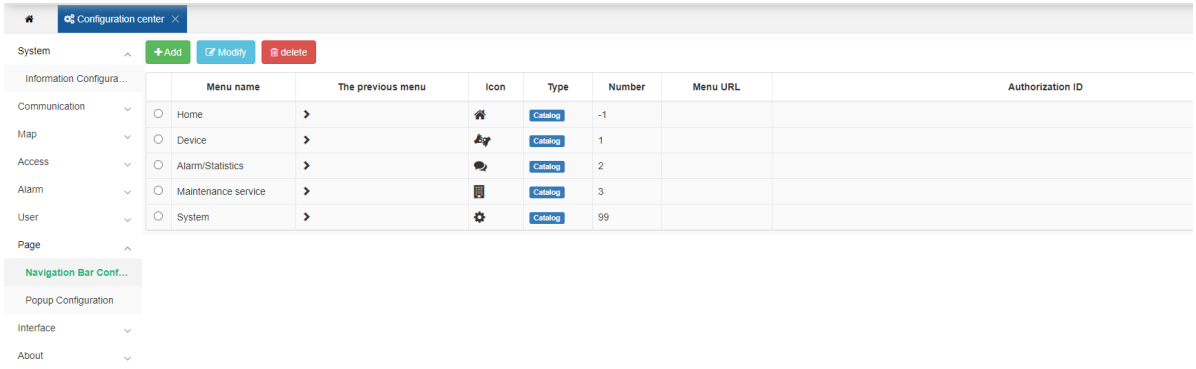
3.5.1.7. Page

3.5.1.7.1. Navigation bar configuration

Function Description: Platform menu Settings.

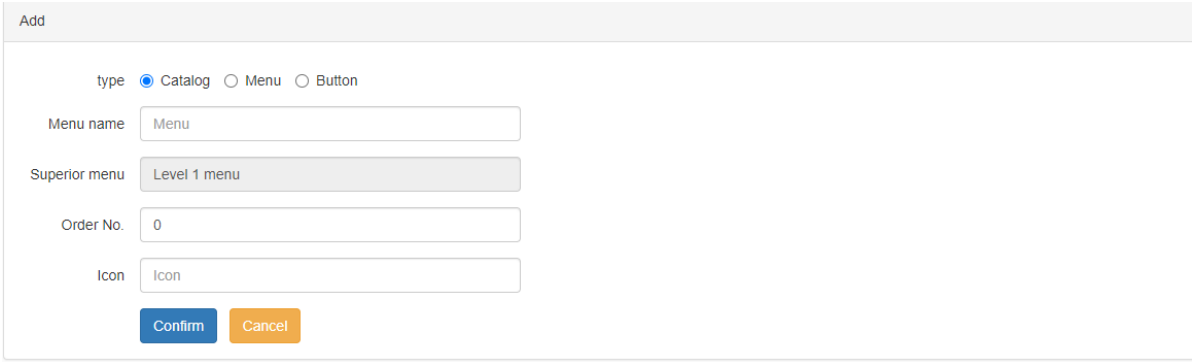
Configuration path: 【 System Management 】>【 Configuration

Center 】>【 Interface 】>【 Navigation Bar Configuration 】



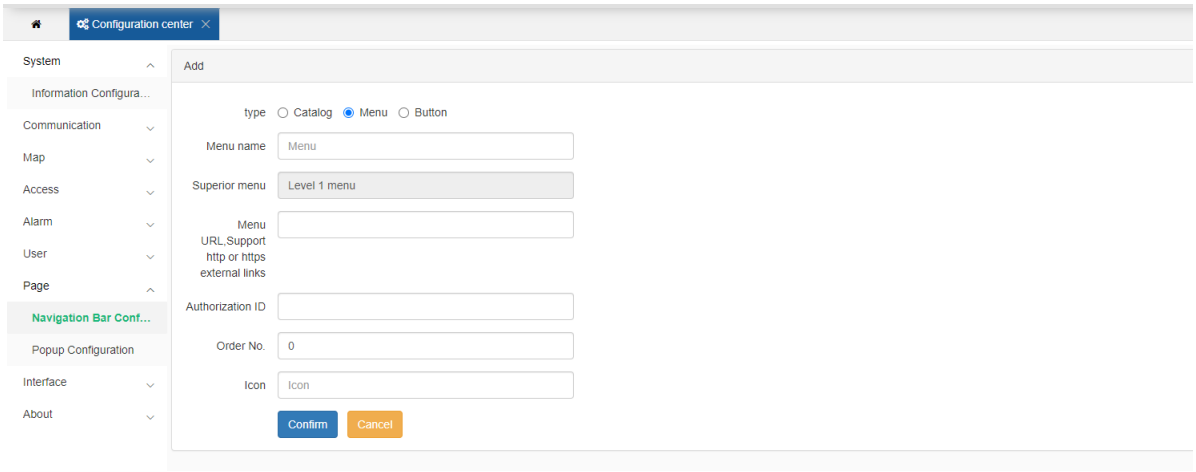
Parameter description:

- New: Adds a menu type. Click the "Add" button, select the new type, directory menu or button according to the specific requirements, and fill in the parameters as required.



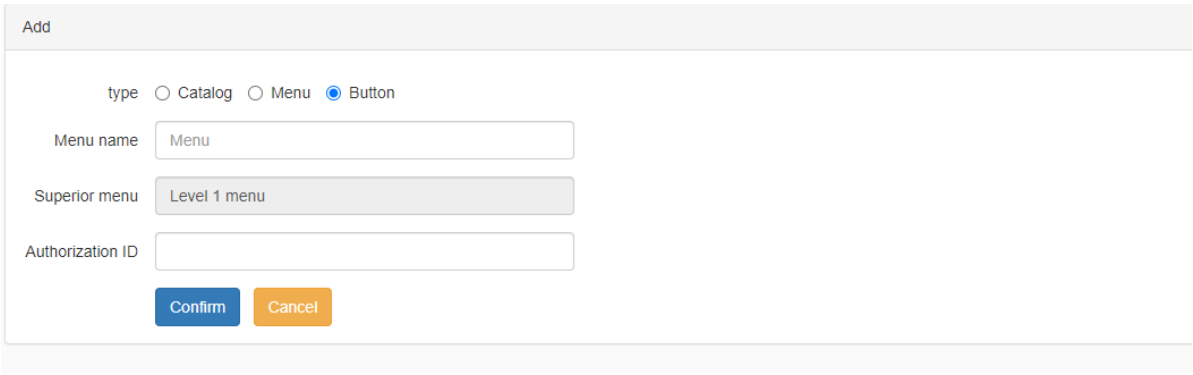
- Add Directory: Adds a menu for the directory type. Menu name as required, can be customized; The upper menu is selected according to the specific situation; The sorting number can be filled in according to the number of the existing directory type; The icon can be empty.

Click the "OK" button when the setting is complete. "Information: Operation succeeded" will pop up on the platform. Click "OK" again to add the directory successfully.



➢ New Menu: Adds a menu type. Menu name as required, can be customized; The upper menu is selected according to the specific situation; Menu URL, support http/https external link; Authorization identifier, fill in according to the situation; The sorting number can be filled in according to the existing menu type number; The icon can be empty.

Click the "OK" button after the setting, the platform pops up "Information: Operation succeeded", click "OK" again, the menu is successfully added.



➢ Add button: Adds a menu for button types. Menu name as required, can be customized; The upper menu is selected according to the specific situation; The icon can be empty.

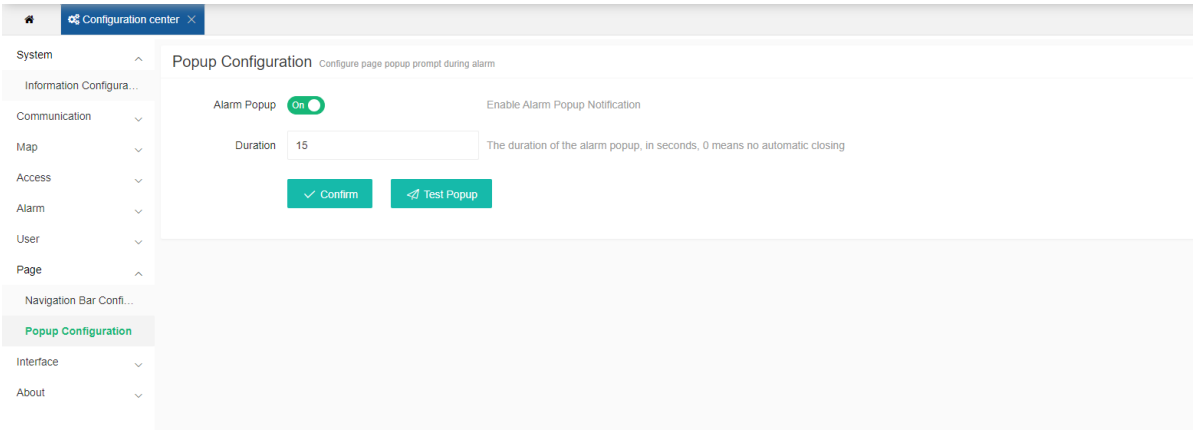
Click the "OK" button after the setting, the platform will pop up "Information: Operation succeeded", click "OK" again, the button is added successfully.

- Modified: Modifies the menu information. Select a menu item that needs to be modified, click "Modify" button, modify the information according to the requirements, click "OK" button after the setting is completed, the platform will pop up "Information: Operation succeeded", click "OK" again, the modification is complete.
- Delete: Deletes the menu. Select a menu item that you want to delete and click the "Delete" button. "Info: Are you sure you want to delete the selected record?" Click "OK", the platform pops up "Information: operation success", click "OK" again, the deletion is successful.

3.5.1.7.2. Popup configuration

Function description: When the device generates an alarm, a pop-up window prompt will appear on the page

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Interface 】>【 Pop-up configuration 】



Parameter description

- Alarm pop-up window: closed or enabled. When the device is disabled, a pop-up message is displayed. When the device is enabled, a pop-up message is displayed when an alarm is generated.
- Residence duration: Specifies the residence duration of the alarm pop-up window. The unit is second. If you enter 0, the pop-up window is not automatically closed.

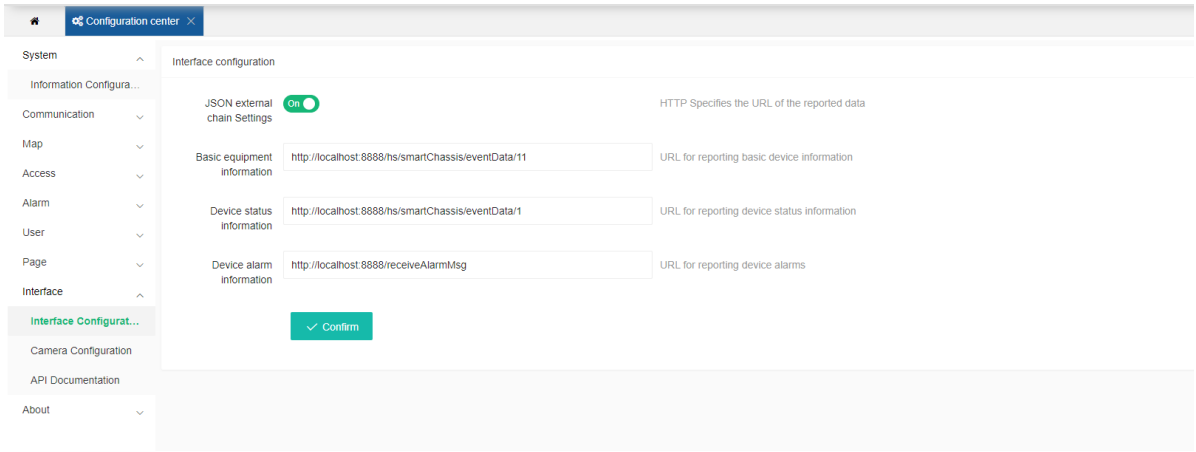
Click the "Confirm Modification" button when the setting is complete, and the word "Operation successful" will pop up on the platform. After the setting is complete, click "Test popup window", and an alarm popup window will appear in the lower right corner of the platform. The popup window will automatically close after the countdown, and the countdown time will be the set time.

3.5.1.8. Interface

3.5.1.8.1. Interface configuration

Function Description: HTTP reports data URL Settings

Configuration path: 【 System Management 】>【 Configuration Center 】> 【 Interface 】> 【 Interface Configuration 】



Parameter description:

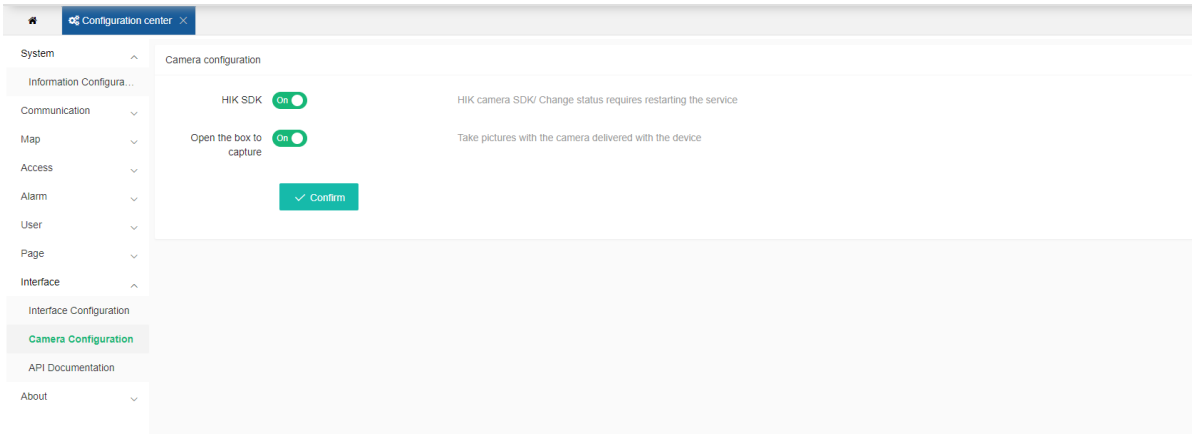
- JSON link setting: Off or on. HTTP reports data to a specified URL. If this parameter is disabled, use the default setting.
- Basic device information: URL of basic device information to be reported.
- Device status: URL for reporting device status information.
- Device alarm: URL for reporting device alarms.

After the setting is complete, click the "Confirm modification" button, and the message "Operation succeeded" will pop up on the platform, indicating that the modification is complete.

3.5.1.8.2. Camera configuration

Function Description: Camera configuration

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Interface 】>【 Camera Configuration 】



Parameter description:

- Hikang SDK: Disable or enable. Hikang camera SDK, change the status needs to restart the service.
- Unpacking snapshot: Close or open. Take pictures with the camera delivered with the device.

After the setting is complete, click the "Confirm modification" button, and the message "Operation succeeded" will pop up on the platform, indicating that the modification is complete.

3.5.1.8.3. Interface document

Function Description: Used for platform interconnection. This requirement can be ignored.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 Interface 】>【 Interface document 】

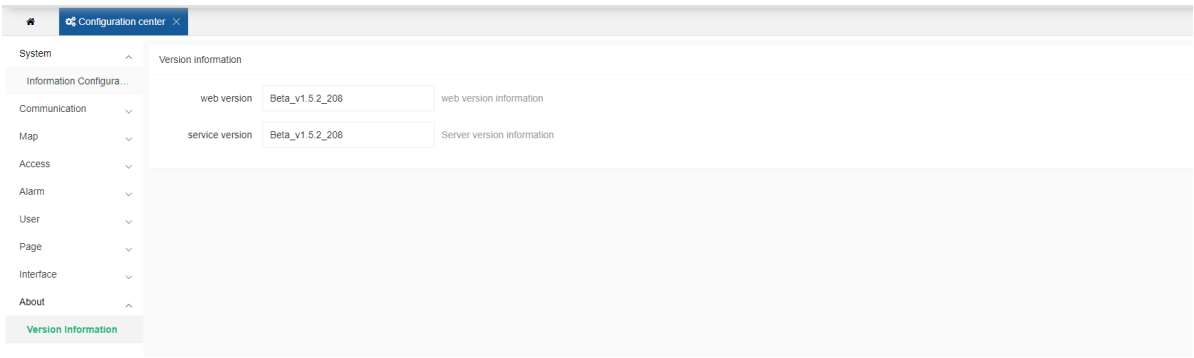


3.5.1.9. About

3.5.1.9.1. Version information

Function Description: Platform version information.

Configuration path: 【 System Management 】>【 Configuration Center 】>【 About 】>【 Version Information 】



Parameter description:

- web version: indicates the web version information.
- Service version: Server version information.

3.5.2. Grouping management

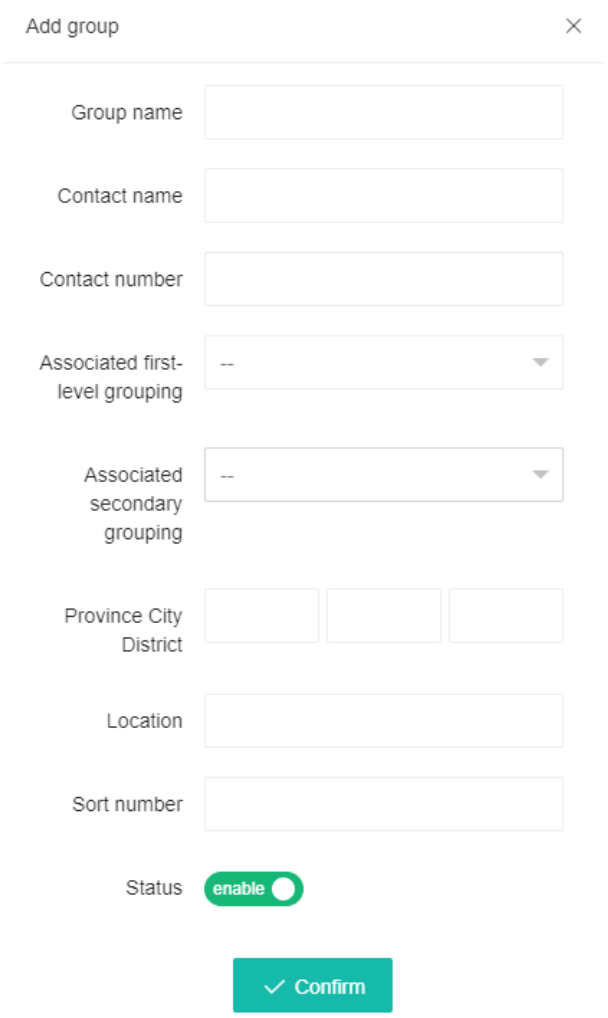
Function: Manages devices in groups.

Configuration path: 【 System Management 】> 【 Group Management 】



Parameter description:

- Query: Queries existing groups. You can search by group name, contact name, contact phone number, or geographic location. Select the query type first, and then enter the relevant query content in the box, click the "query" button, if the content exists in the type of a group, the group will be displayed, if it does not exist, it will be blank.
- Added: Adds a group. Click "Add" button, the page will pop up "Add group" pop-up window, fill in the parameter content as required, click "Confirm modification" button after setting, the platform will pop up "Operation succeeded", adding is complete.



➢ Explanation of adding grouping parameters:

Group name: Enter the group name as required and can be customized.

Contact name: Set this parameter as required.

Contact phone number: Enter as required.

Association with level-1 groups: If no level-1 or level-2 groups have been added, the groups added for the first time are level-1 groups. A group associated with a level-1 group is a level-2 group. Select whether to associate as required.

Associate a level-2 group: The group associated with a level-1

group is a level-2 group. A group associated with a level-2 group is a level-3 group. You can associate a level-2 group only when you associate a level-1 group. Select whether to associate as required.

Province or city: Fill in as required.

Location: Fill in as required.

Sort number: Enter as required. The sequence number of each group is not related, and the sorting is only related to the peer group, the sorting of the second and third level groups only participates in the sorting of the same association group, and the sequence number is arranged from small to large.

Status: Enabled or disabled.

- Delete: Deletes a group. Select the group items to be deleted, click "Delete" button, the platform will query the selected group information, and then pop up the relevant "prompt" information, if no error is found after check, click "Confirm" button, the platform will pop up "operation succeeded", delete successfully; If an error is found after checking, click "Cancel" button to disable the deletion operation. If the deletion operation still needs to be performed, select the group again.
- Reset: refreshes group information.
- More parameters:

Expand All: Expand all groups.

Fold all: Folds all groups and displays only level-1 groups.

Export: Export groups to a local PC in Excel format.

Import: Import Excel tables.

- Operation parameters:

Modify: Modify the group parameters. Modify as needed.

Delete: Deletes the group entry.

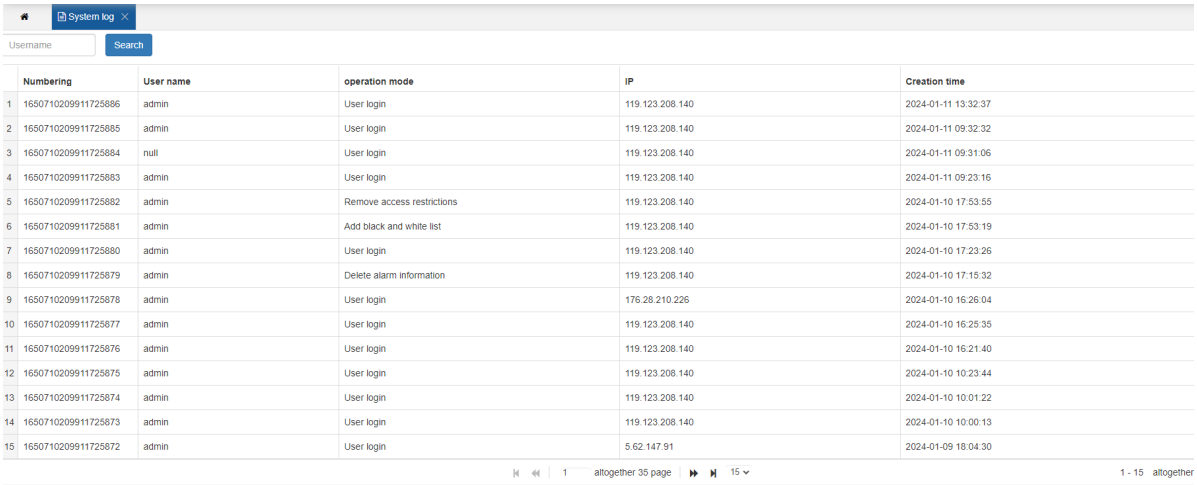
3.5.3. System log

Function Description: Logs generated by the user operating system.

Configuration log: 【 System Management 】>【 System Log 】

Parameter Description: The screen displays the operations performed by users who log in to the platform.

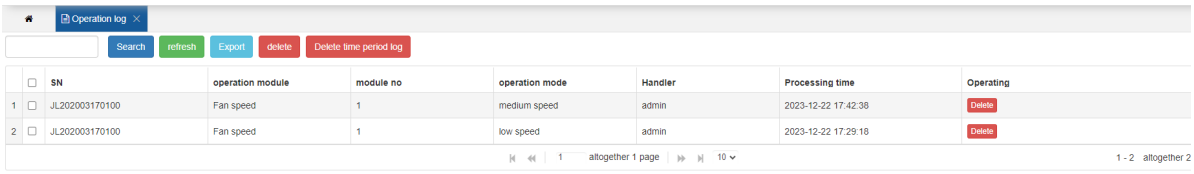
- Query: You can query the system operations performed by the user based on the user name.



3.5.4. Operation log

Function Description: Logs generated when users perform operations on the device.

Configuration path: 【 System Management 】>【 Operation Log 】



Parameter description:

- Query: Queries the operation modes of the device. Enter the device number to be queried in the box and click the "Query" button. If the user has performed corresponding operations on the device, the operation list will be displayed. If the user has not performed corresponding operations on the device or the operation has been deleted, the page will be blank.
- Refresh: refreshes the page.
- Export: Export operation logs in an Excel file and download them to a local PC.
- Delete: Deletes operation logs. Select the logs that you want to delete and click the "Delete" button. The message "Operation succeeded" is displayed, indicating that the logs are deleted successfully.
- Deleting a time period log: Click Delete Time Period Log, select

the time period to be deleted, and click OK. The message "Operation Succeeded" is displayed, indicating that the operation logs within this time period are successfully deleted.

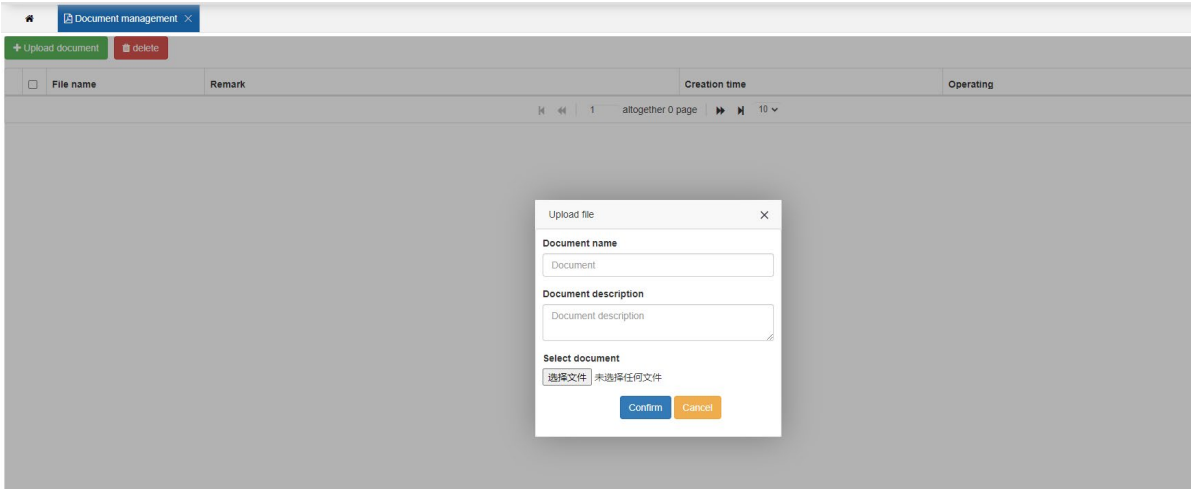
➢ Operation parameters:

Delete: You can delete the log entry.

3.5.5. Document management

Function Description: Manages documents.

Configuration path: 【 System Management 】> 【 Document Management 】



Parameter description:

➢ Upload document: Upload a PDF file. The document name and description can be customized, select the PDF file to upload, click "OK" button, the platform will pop up "Information: operation success" pop-up window, click "OK", upload success.

- Delete: Deletes the document. Select the document item that needs to be deleted and click the "Delete" button. The platform will pop up "Information: Are you sure to delete the selected record?" Click "OK", and the pop-up window "Information: Operation success" will pop up on the platform. Click "OK" again to complete the deletion.
- Operation parameters:

View: View the contents of the document.

Download: Download the document locally.

Share: Click to share, will generate a two-dimensional code, you can scan the code to view the document content.

Delete: Deletes the document of the entry.

3.6. Alarm lamp

Function description: When no alarm is generated, the alarm light is green. When an alarm is generated, the alarm indicator blinks red. Click the Alarm icon to switch to the Alarm Information interface.

3.7. Language switch

Function Description: Simplified Chinese or English, platform language display. Click "Simplified Chinese", the platform interface

language is displayed as Simplified Chinese, click "English", the platform interface language is displayed as English.

3.8. User item

Function Description: Displays the current login user name.

Parameter description:

- Clear cache: Clear device cache, clear configuration cache, and clear all caches.

  Instructions for clearing the device cache:

  1.If you do not install the latest version of the platform (for example, replace the jar package), the cached data of the old version may conflict with the cached data of the new version. In this case, you can clear the device cache and the system automatically stores the newly reported device information into the cache.

  2.If the device data is incorrect or abnormal, delete the device and clear the cache. After the device automatically reports the information, check the device information again.

  3. In the meantime, Input Voltage Curve Chart and Output Voltage Curve chart are cleared in Device Management > Device List > Operation > Details > Overview.

- Clearing the configuration cache: If the configuration update (such as SMS configuration, email configuration, and map

configuration) does not take effect, you can clear the configuration cache and the system automatically updates the configuration to the latest one.

- Clear all caches: Clear the device cache and configuration cache at the same time.
- Change password: You can change the password of the current user. After the change, you need to use the new password to log in again.
- Log out: Log out of the current user.