ELEVATE
Future Faster

OPERATION MANUAL

Monitoring Host

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Preparation

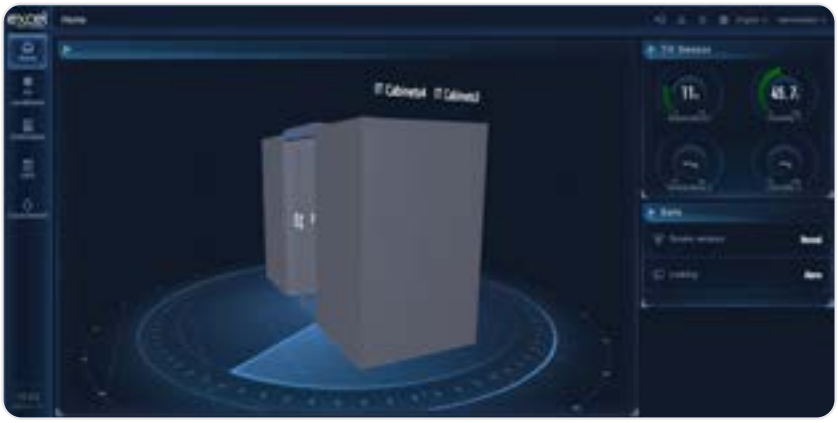
1. One Monitoring Host and one PC computer;
2. The PC computer is connected to the accessible collector network and can ping the host IP of the communication ring; Install a browser with the Chrome kernel.

Login Operations

1.1 WEB Browser login

1. Open the browser with Chrome kernel on your PC computer and select Chrome kernel.
2. Enter the IP address of the Monitoring Host

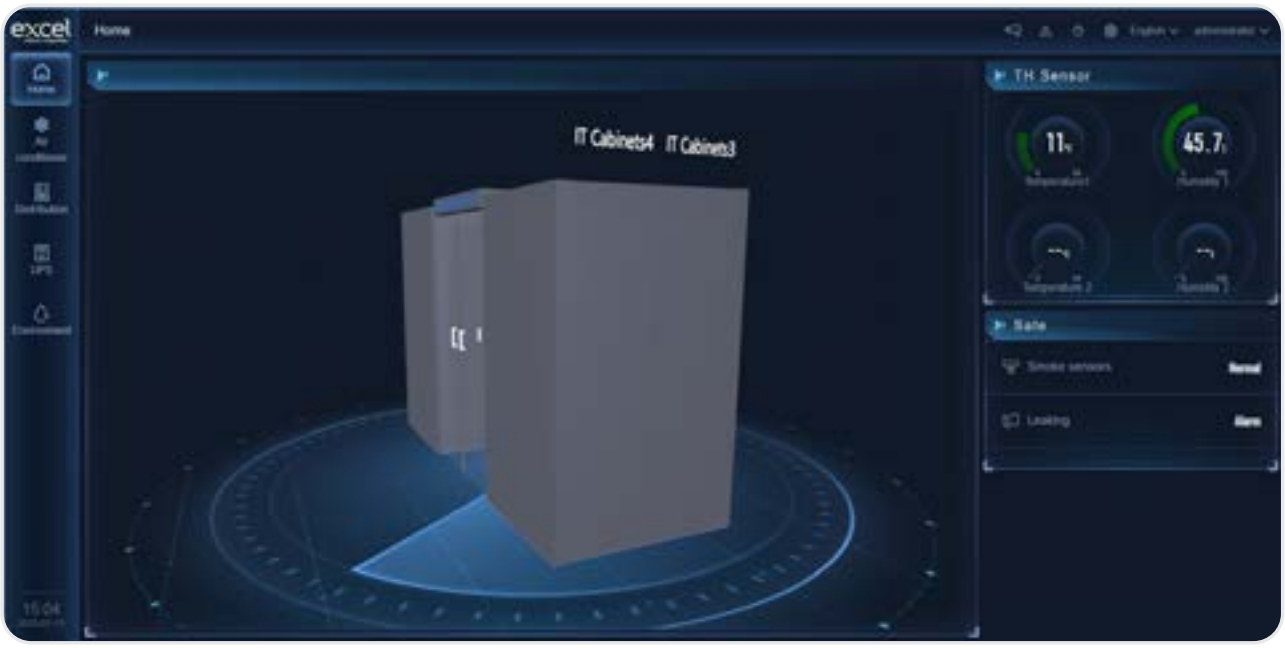
   http://192.168.1.100



3. Click Login in the upper right corner of the webpage,
   Username: **admin** (default), password: **12345** (default), you can log in to the WEB management interface.
   Currently, you don't need to log in to view the running status of all devices.

Top

2.1 Homepage content



1. **Logo display area**

   Display the app logo.

2. **Module app bar**

   It can display different application modules, such as power distribution module data, air conditioning status information, UPS operation data, environmental status, access control security, etc., and the columns can be customized.

3. **Data display area**

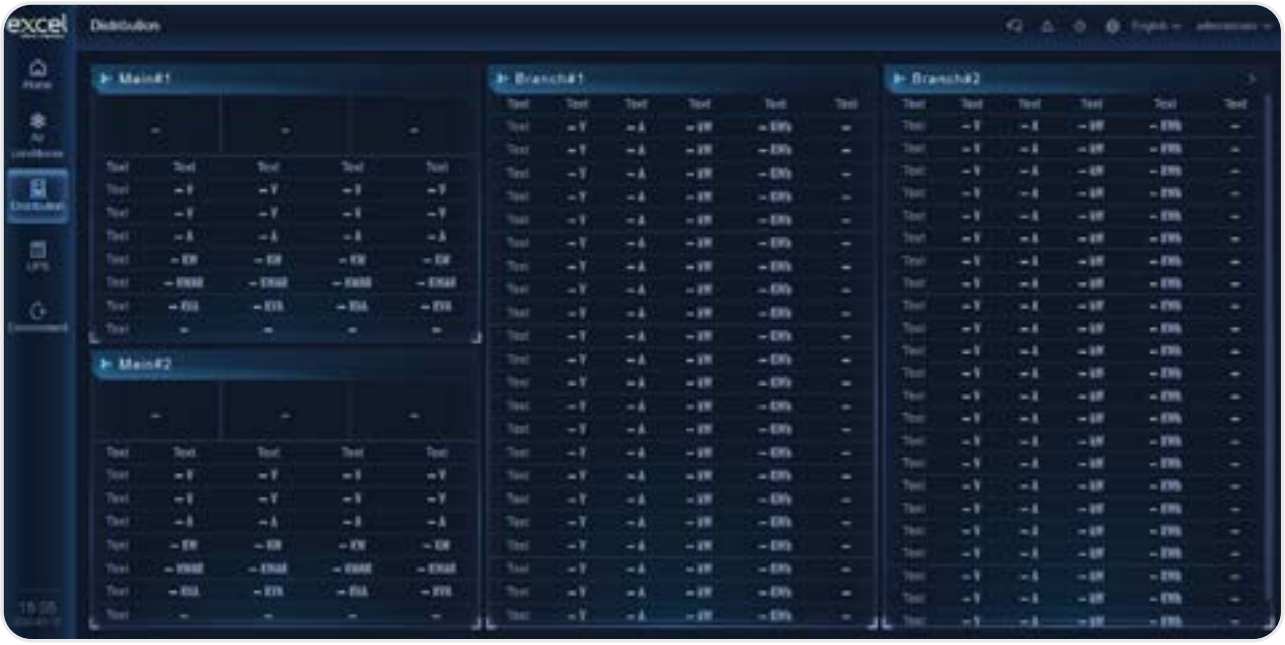
   Support for 2D/3D interface configuration based on the layout of the machine room is available, allowing for data display through labels, charts, curves, bar graphs, buttons, characters, and other configuration options, with flexible adjustments to the interface layout.

4. **Function settings area**

   You can view real-time videos, current alarm data, and historical data.

Interface Presentation

3.1 Distribution



1. Voltage (V)

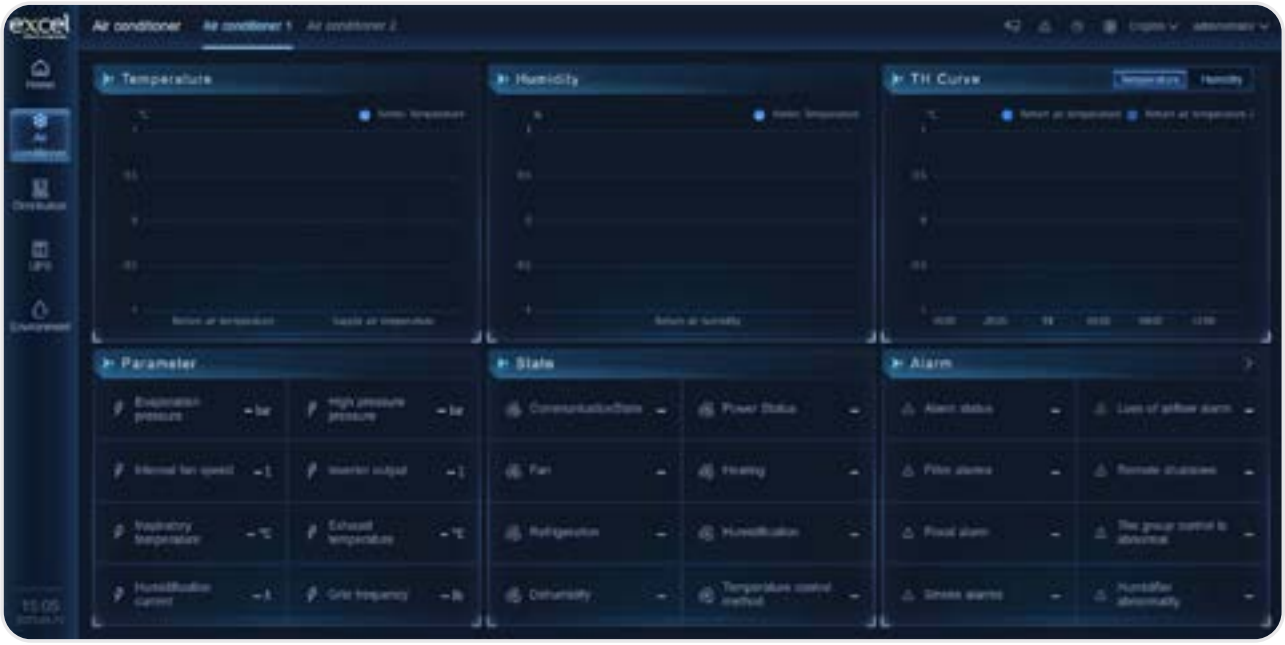
   Including: phase A, phase B, phase C voltage.
2. Current (A)

   Contains: phase A, phase B, phase C current.
3. Frequency (Hz)
4. Active Power (KW)

   Including: phase A, phase B, phase C active power.
5. Power Factor

   Contains: phase A, phase B, phase C power factor.
6. Active electrical energy (KWH)

3.2 Air conditioning



1. Select the air conditioner number you want to view. Support the individual selection and viewing of multiple air conditioners.
2. Basic information: return air temperature, return air humidity, outlet air temperature.
3. Status: the operation status of fans, compressors, heaters, dehumidifiers, and the communication status of air conditioning equipment.

   (1) The status red indicates that an alarm is generated
4. Control: The interface can operate on/off, and the current on/off status can be viewed.

   (1) Click the icon to open the control interface

   (2) In the pop-up interface, select Power On/Off
5. Detailed parameters: fan speed, exhaust temperature, etc.

3.3 UPS

1. Select the UPS you want to view. Support for individual selection and viewing of multiple UPS.
2. UPS input information: input voltage, input frequency, bypass voltage.
3. UPS output information: output voltage, output current, output power.
4. UPS Status: Power Supply Mode, Battery Voltage, Maintenance Bypass Switch, UPS Communication Status
5. UPS operating schematic.

3.4 Environment

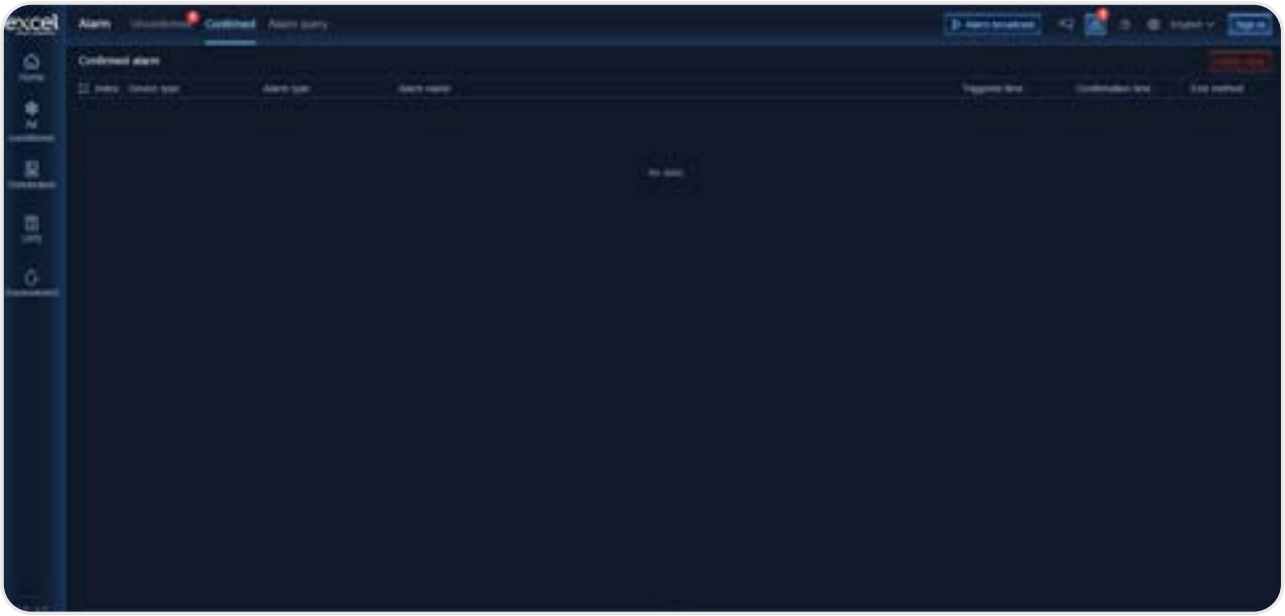
1. Ambient temperature and humidity, the average temperature of the channel.
2. Environmental water leakage status, infrared status, smoke alarm.
   (1) Red indicates the alarm status

Alarm

4.1 Query the current real-time alarms

If the automatic confirmation of alarms is selected, it will automatically change to a confirmed status after the alarm ends; if not selected, it will be in manual confirmation mode, requiring manual confirmation.

4.2 Query the acknowledged alarm



4.3 Query historical alarms

Historical alarms and data

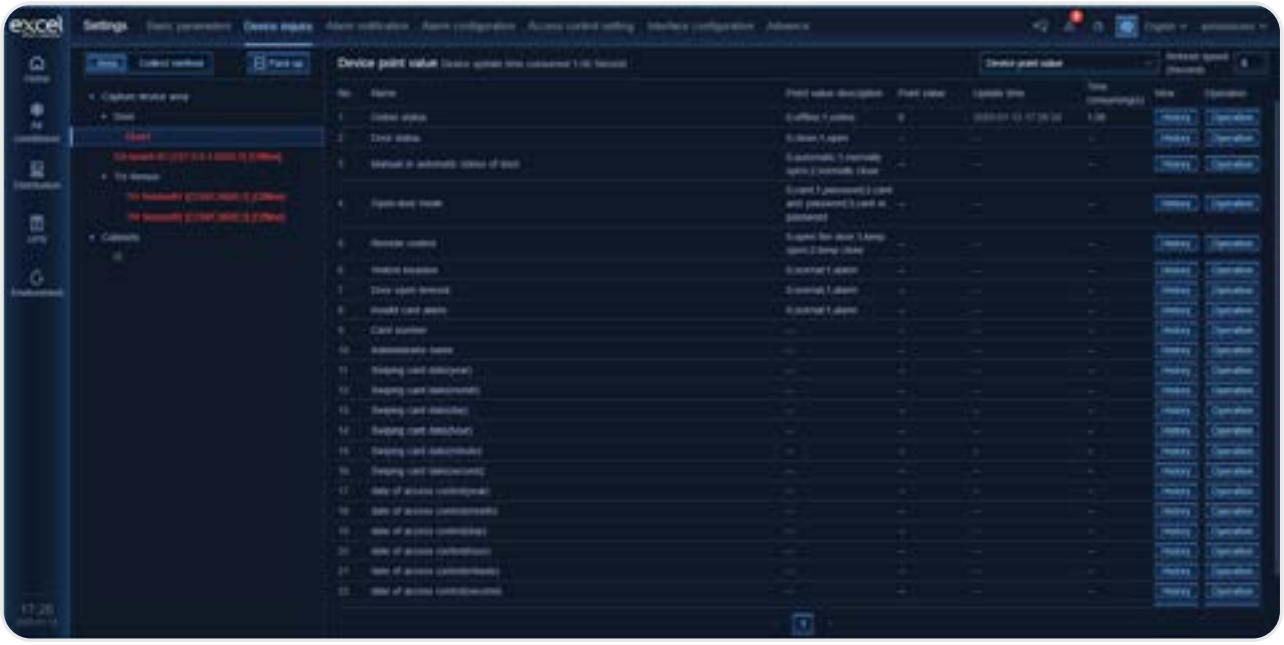
5.1 Historical alarm query

1. List mode

5.2 Historical alarms are exported

1. Export (local), you can export historical alarm data to the local computer through the web page, and the web browser will automatically download the “Historical Alarm .xlsx” file to the local computer.
2. Export (USB flash drive), you need to plug in the USB port of the collector, plug in the USB flash drive, and after the device is identified to the USB flash drive, you can choose to export the “Historical Alarm .xlsx” to the USB flash drive.

5.3 Historical data query



5.4 Historical data export

1. Export (local), you can export historical data to your local computer through a web page, and the web browser will automatically download the historical data file to your local computer.
2. Export (U disk), you need to plug in the USB port of the collector, plug in the U disk, and after the device is recognized to the U disk, you can choose to export the historical data to the U disk.

Setup

6.1 Basic information about the device

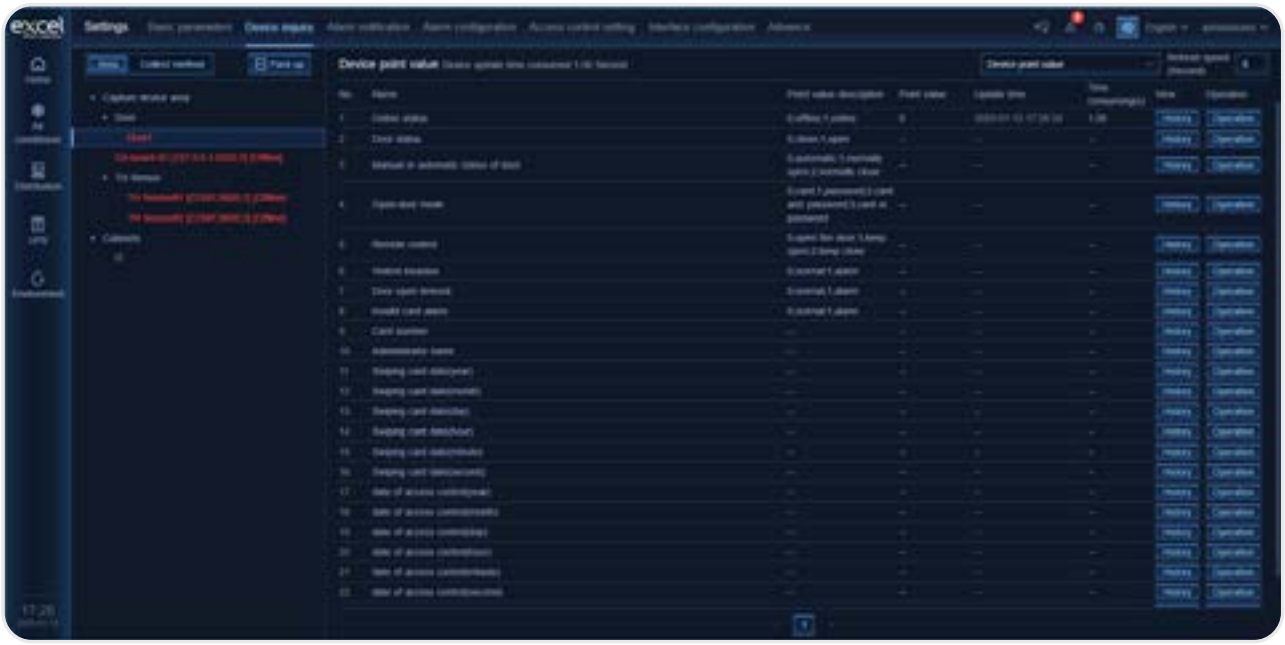
1. Basic information: including front-end version, service version, authorization information, current system time, etc.
2. NIC information: including the IP, subnet mask, gateway and other network parameters of the device, which can be edited and modified to new parameters.
3. TF card information: display the insertion status and capacity information of the card.
4. Hard disk information: displays the hard disk capacity usage of the current collector.
5. Server: The collector can be remotely controlled to restart and shut down.

6.2 Device queries

1. You can view the device tree, the online status of the device, and the specific point value of the device.
2. To view the historical data of a point value, you can directly query the historical data of a point value through the point value history button on this page.

6.3 Alarm notification

6.3.1 Alarm notification type



1. Configure each type of alarm, define different alarm notification types, and can include SMS, phone call, and email notification types.

6.3.2 Method of notification

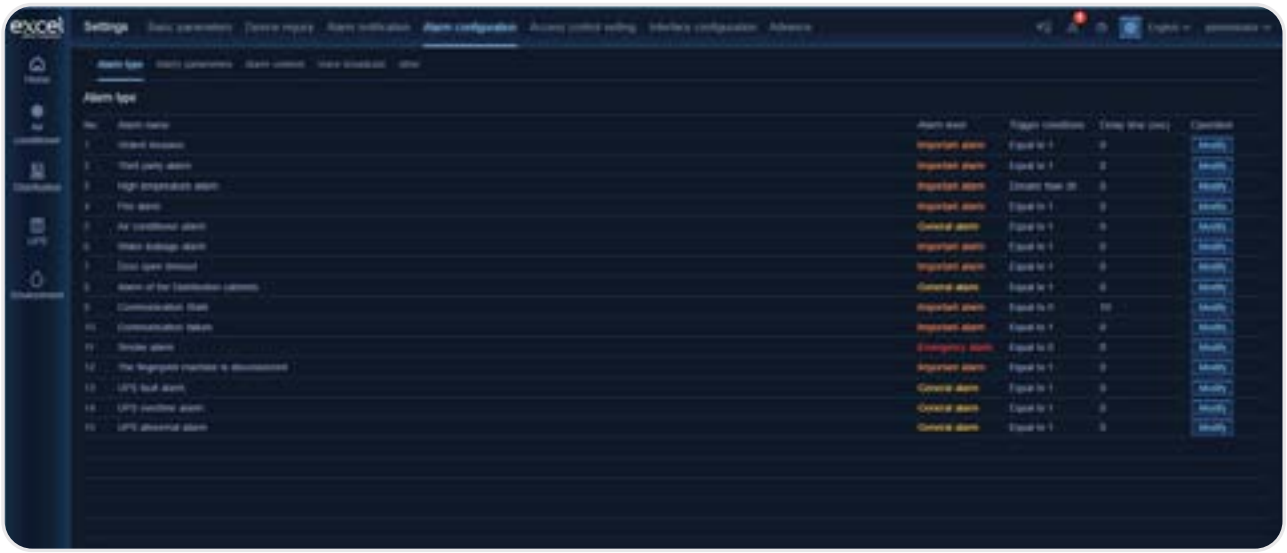
1. You can define the alarm notification method, there are three alarm notification methods: SMS, phone and email, and you can choose to enable or disable each mode.
2. After the email is configured, you can send a test email to verify whether the email configuration is normal.

6.3.3 Scheduled Notification

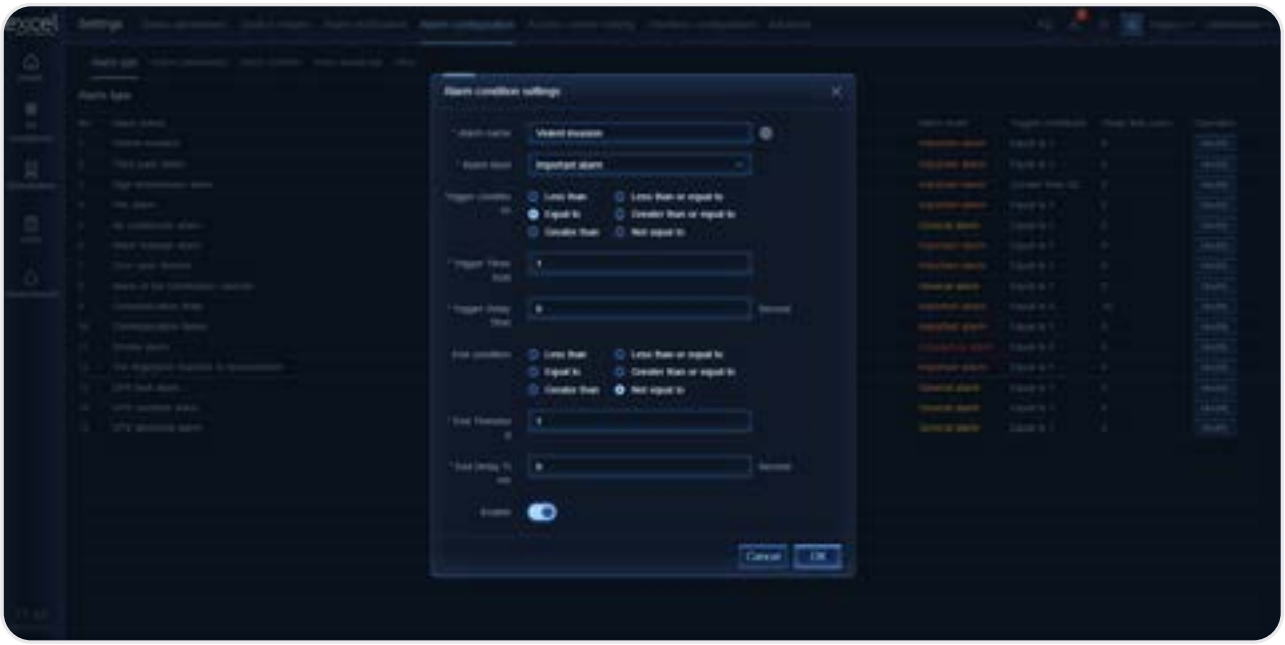
1. You can configure the method of scheduled notifications (SMS, phone calls, and emails), the time point of the scheduled notification, and the content of the notification.

6.4 Alarm configuration

6.4.1 Configure the alarm type

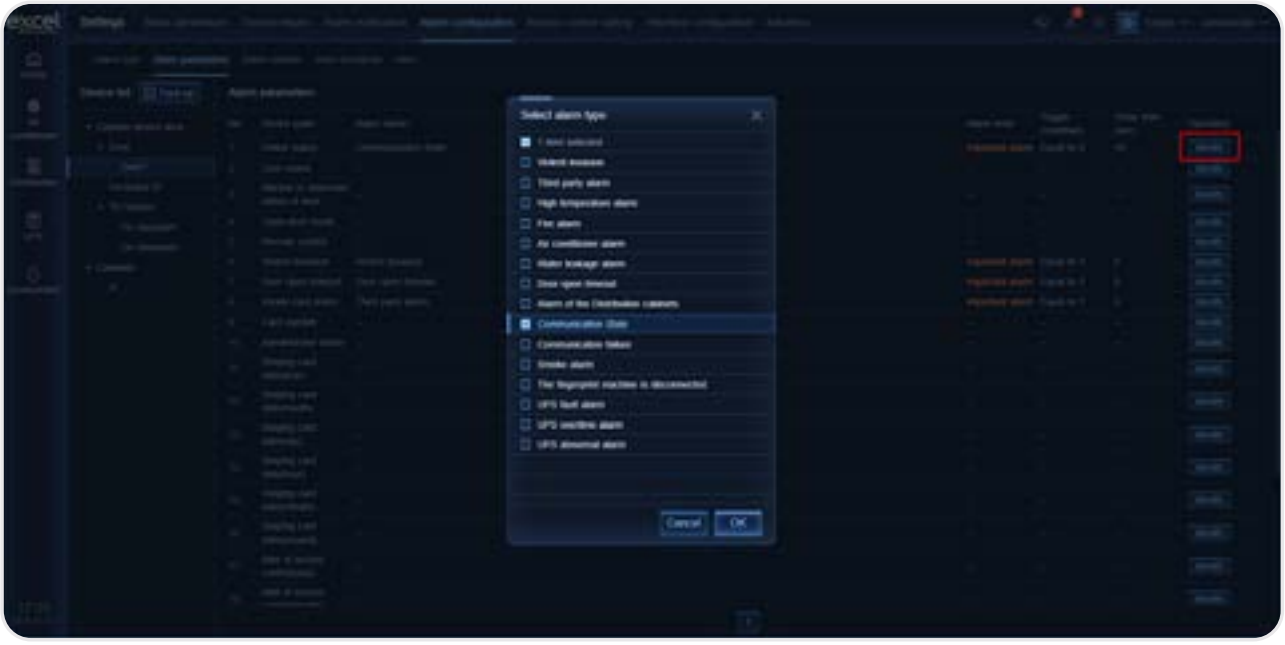


1. You can modify the type of defined alarm, click the Modify button, and the Modify page will pop up to modify it.

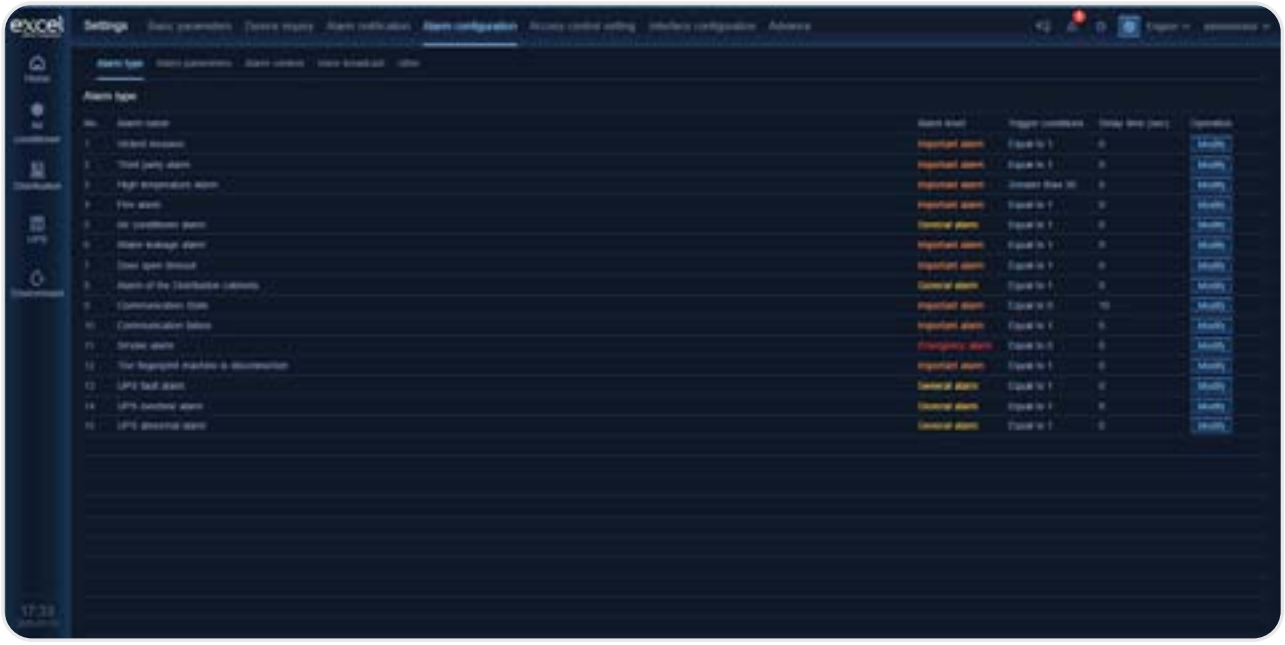


6.4.2 Alarm parameters are modified

1. You can modify the custom alarm corresponding to the device point, click the Modify button to modify it, and select the alarm type from the pop-up interface



6.5 Permission settings



1. Different accounts can be added.
2. At present, there is no distinction between the permissions of different accounts.

Troubleshooting Common Issues

The display screen on the control cabinet has no display on touch

Troubleshooting method:

1. Does the screen have electricity?
2. Is the Ethernet cable or HDMI cable falling off or loose?
3. Does the dynamic environment monitoring host have electricity?
4. Is the USB touch cable falling off or loose?

Unable to log in to the device web page

Troubleshooting method:

1. Does the dynamic environment monitoring host have electricity?
2. Is the network cable connected?
3. Is the IP address of the dynamic environment monitoring host correct? You can search through the collection service software to check whether the device is online.

Historical data cannot be queried

Troubleshooting method:

1. Is the TF card inserted?
2. Is the TF card damaged?
3. You can view the information from “Settings” and “Basic Information”.

The web browser display interface is misaligned

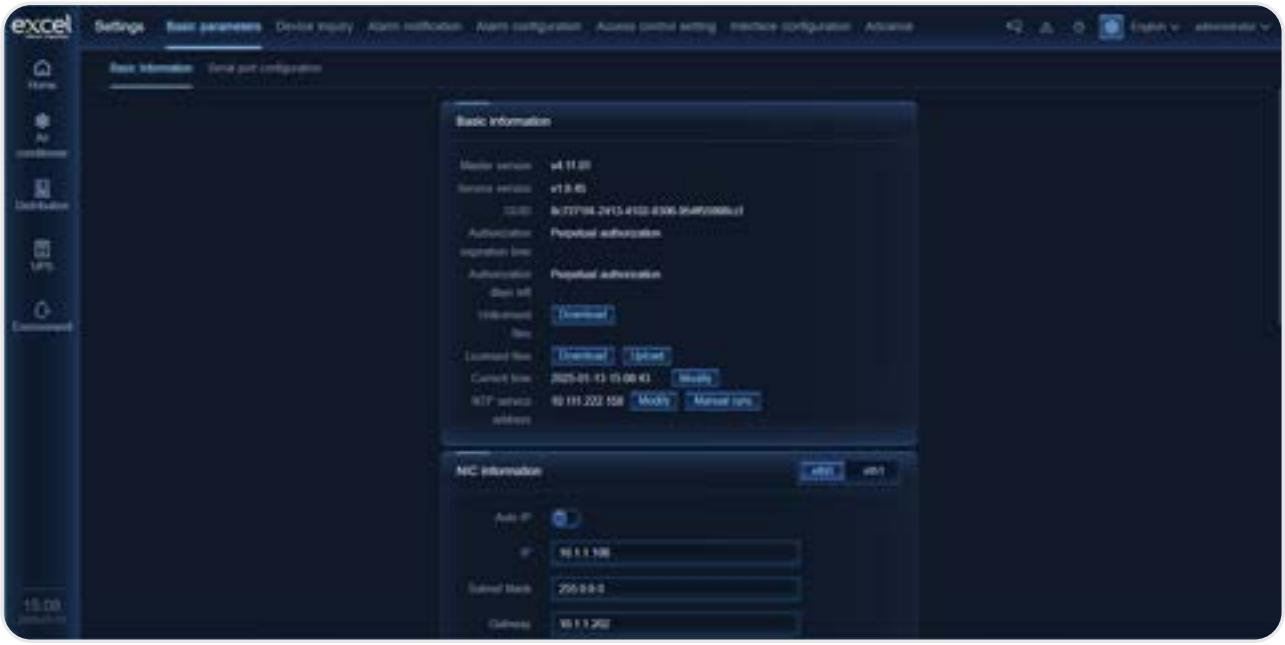
Troubleshooting method:

1. The browser does not use a browser with the Chrome engine and instead uses the Chrome engine.
2. The appropriate scaling ratio has not been selected. Please adjust the scaling ratio on the PC side according to the actual situation for display.

The system time difference is quite large

Troubleshooting method:

1. The dynamic environment host does not have an installed battery or the battery level is low; it is necessary to install/replace the button battery.
2. The system supports NTP time synchronization; please contact the maintenance administrator to set the NTP time synchronization server.
3. “Set” -> “Basic Information” -> “Fundamental Information”, reset the time.



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