Haiwell User Manual

Cloud Platform

Haiwell Cloud Platform User Manual
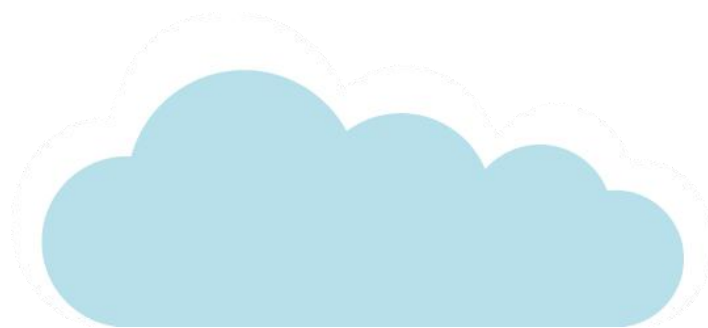
Landing Haiwell Cloud Platform
http://cloud.haiwell.com

Content

Abstract
Instruction of Product

Haiwell cloud app is a cross-platform industrial IOT cloud platform. It supports PC, ipad, Android, IOS, and other platform terminals. There are some features:

● Cloud Integration

Using Haiwell cloud app can realize the remote view and control of HMI and SCADA easily.

Supporting many communication ways to send alarm messages, such as mobile app, SMS and E-mail. Its powerful alarm mechanism reassure user who stay in home.

● Remote Management

You can visit on-site equipment, remotely monitor and maintain HMI and PLC from a thousand miles away. The system can realize remote programming, firmware upgrades, monitor and diagnosis, etc.

● Careful security communication mechanism

Haiwell app provide safe communication mechanism to user. It uses 128 bits SSL encryption mechanism, which ensure the data transmission is stable. It also set A-key and B-key or password check mechanism in the device terminals to ensure the safe and stability of the process that access to device from far away.

Instruction of Software

1. User login/register

1.1 Register

● Register by phone number

Enter the home page of Haiwell cloud platform (http://cloud.haiwell.com), click [Sign up] to enter the register interface; select [Phone login]; input phone number, new password and account name; click [Get code] and wait the code that is received by phone; input code into [Verity code]; After getting the hint that shows sign up successfully, you can log in.
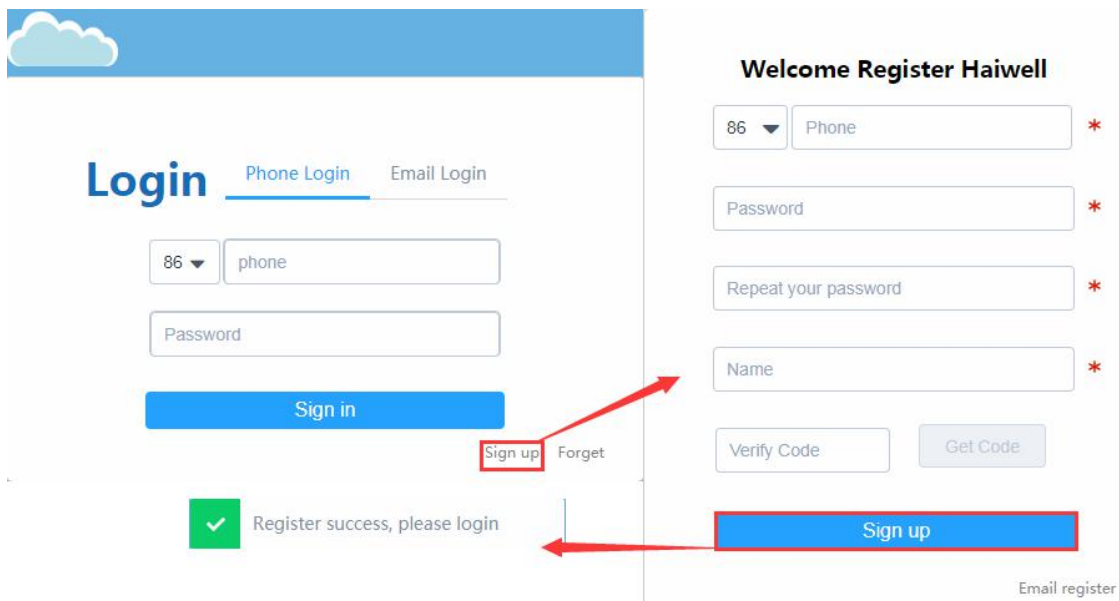

● Register by email

Enter the home page of Haiwell cloud platform, click [Sign up] to enter the register interface; select [Email login]; input email address, new password and account name; click [Get code] and wait the code that is received by email; input code into [Verity code]; After getting the hint that shows sign up successfully, you can log in.
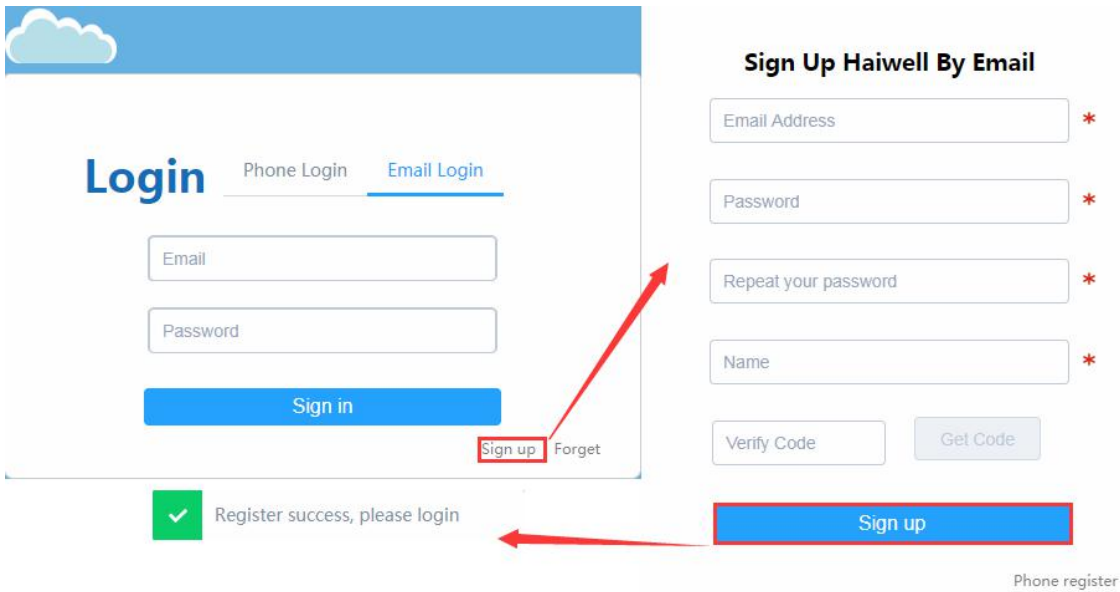
1.2 Login

● Login by phone number

Enter the home page, select [Phone login], input phone number and password, click [Sign in].
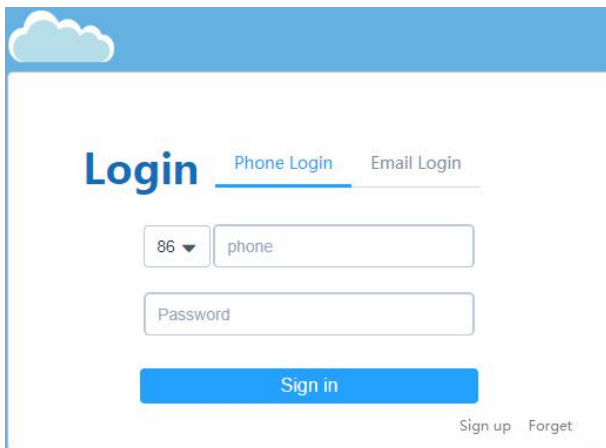
● Login by Email

Enter the home page, select [Email login], input email address and password, click [Sign in].
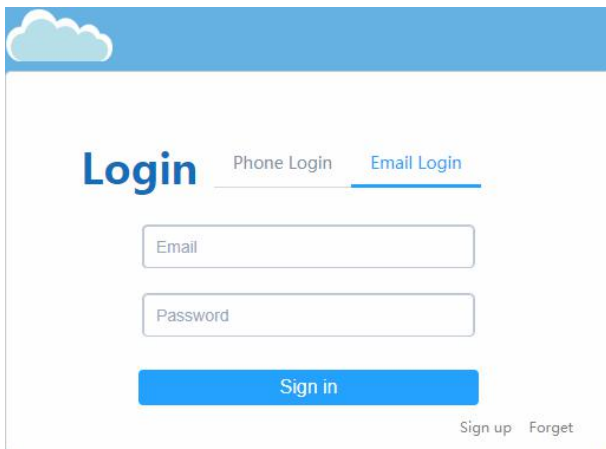
● Reset password

Enter the home page of cloud platform, select [Forget] to enter the finding password interface, select the method to get back account (input phone number or email address), click [Next step], input verification code received by phone or email, then click

[Next step]; enter the password reset interface, input new password and click [Finish].

2. My Device

Login the account and enter cloud website. You will see a default navigation which display home page of device. You can find some functions in the home page, such as add, view and management devices (SCADA, HMI and IPC). What's more, you can also control touch-screen remotely (HMI, IPC). Then we use the adding and management of HMI as an example to illustrate some basic operations of HMI (adding, viewing, management, remote control).

2.1 Add device

● Open HMI Cloud Switch

Long press the right upper corner of HMI touch-screen to enter backstage setting interface. Click [Cloud] to enter the cloud setting interface, then QR code and machine code will pop up.

● Add Device by Inputting machine code

Login cloud platform, enter the home page, expand [machine details], click [add device], enter adding device interface, input corresponded machine code, click [Confirm], then you can view device information in home page. Hine: Binding owner need to scan QR code of HMI, so cloud platform only can bind device with owner.

2.2 Member information management

● Apply for binding device

After user added device, they can select added device in home page. Click [enter] to enter machine details interface; click [bind] to enter applying for binding interface (you can view audit setting detail in device management interface – setting audit machine).

① When the auditing mechanism is "owner + admin audit":

System will pop up binding confirm information to owner and administrator. Tip: When the auditing mechanism is "owner + administrator audit" - if the device has no administrator, the accessing request of user only through the owner's audit. If the device is already bound to the administrator, the accessing request of user need to through the owner's audit and either administrator audits; When user apply for access, administrator only have authority to set the user as a guest, and owner can set users as administrators or visitors.
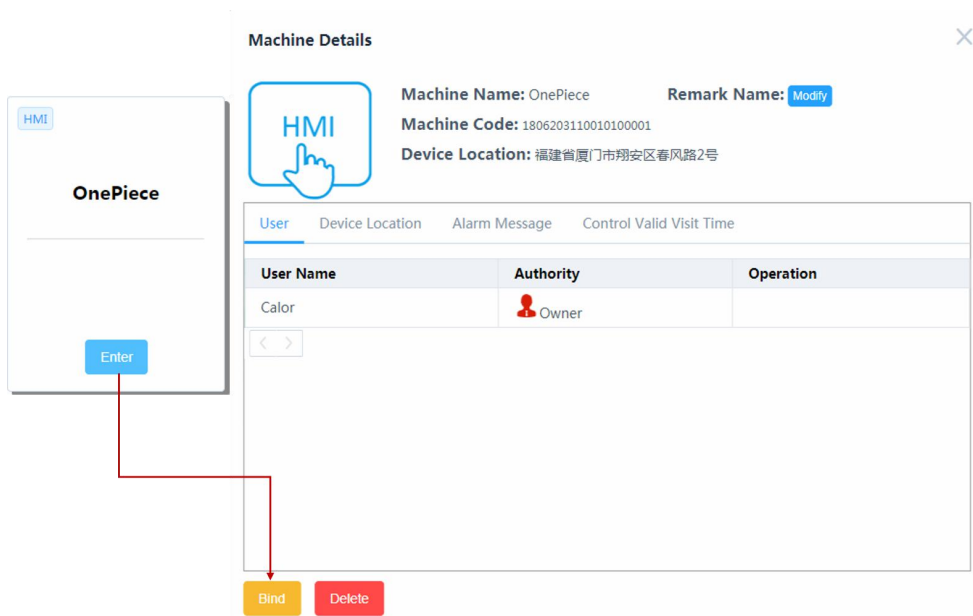

② When the auditing mechanism is "Password audit":

System will pop up binding confirm information for owner and administrator. After you clicked [confirm], you will enter a password checking interface. Then you need to input password and click [confirm]. If the password is correct, you can bind device successfully. Then owner can set user as administrator or visitor.
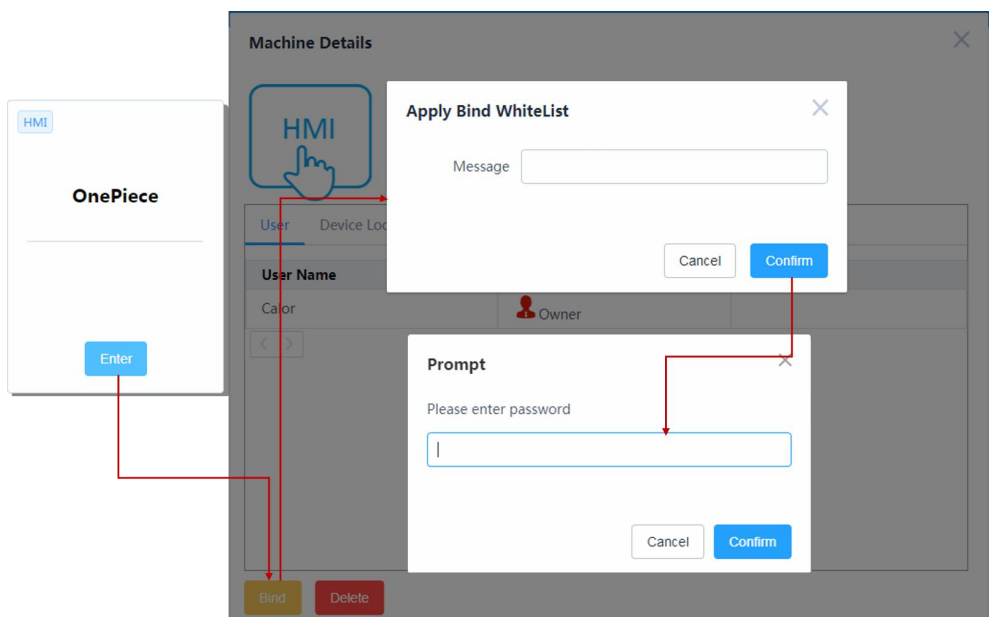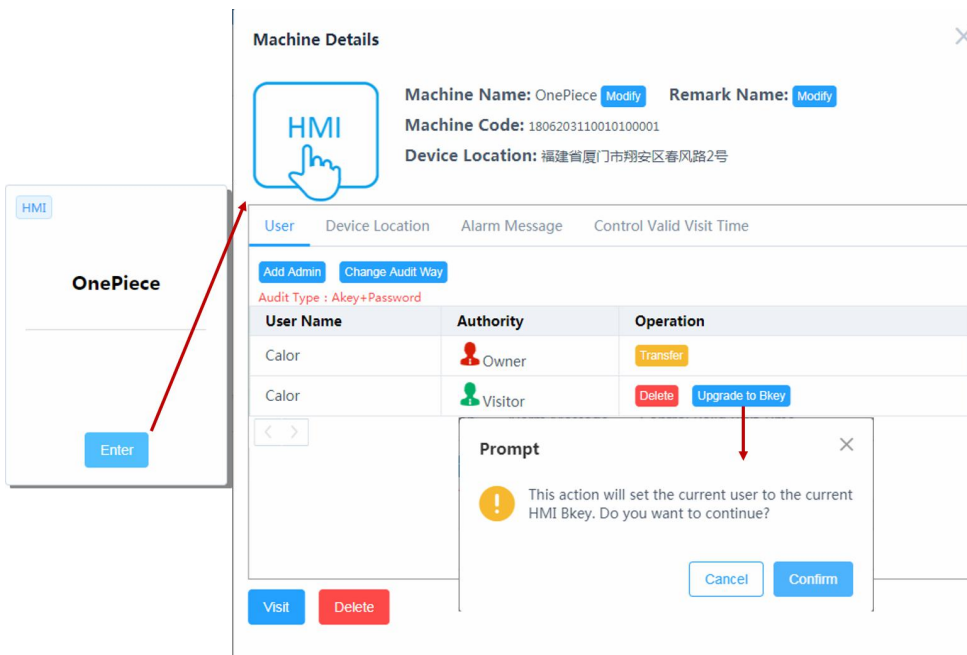
● View member information

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter device detail interface; in the [device member] interface, put cursor on the user's name who you want to view, then member information will be popped up (including name, phone number and email).
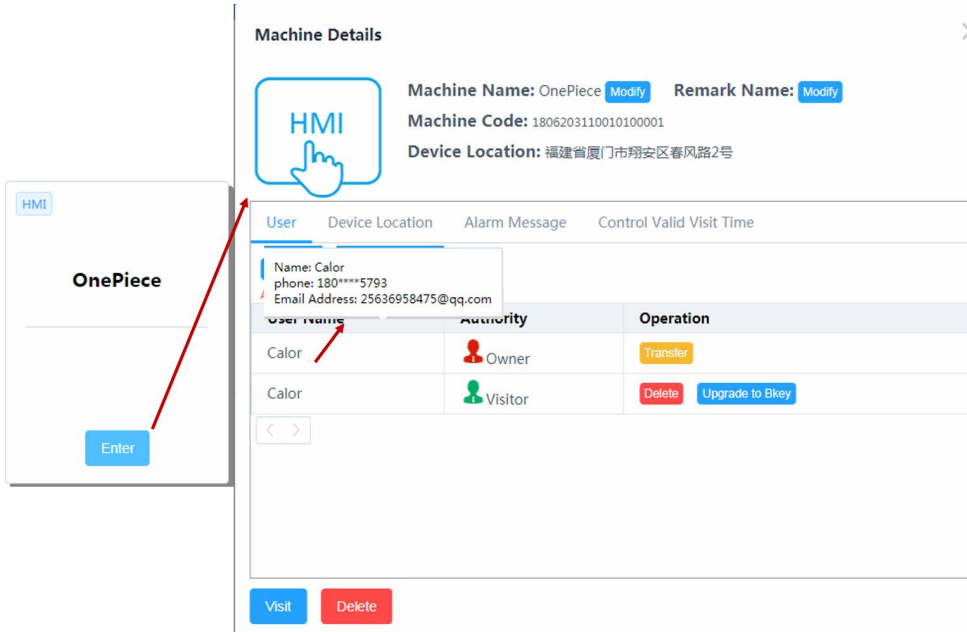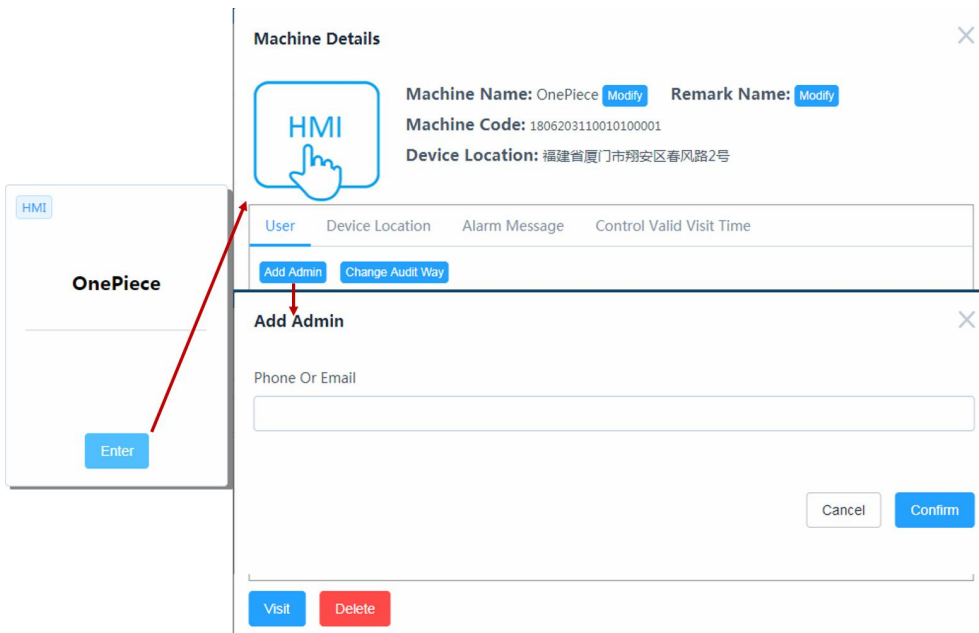

● Upgrade visitor

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter device detail interface; in the [device member] interface, select visitor who need to be upgrade to administrator, click [upgrade to the administrator], system will pop up upgrade confirm box, click [confirm]. Hint: only owner has authority to upgrade visitor to administrator.

● add administrator

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter into device detail interface; in the [device member] interface, click [add admin], add administrator page, input user's phone number who want to be added as administrator, click [confirm]. Hint: Only owner can add administrator. The user who be added can be old user of device or without binding user.

www.haiwell.com

● transfer device
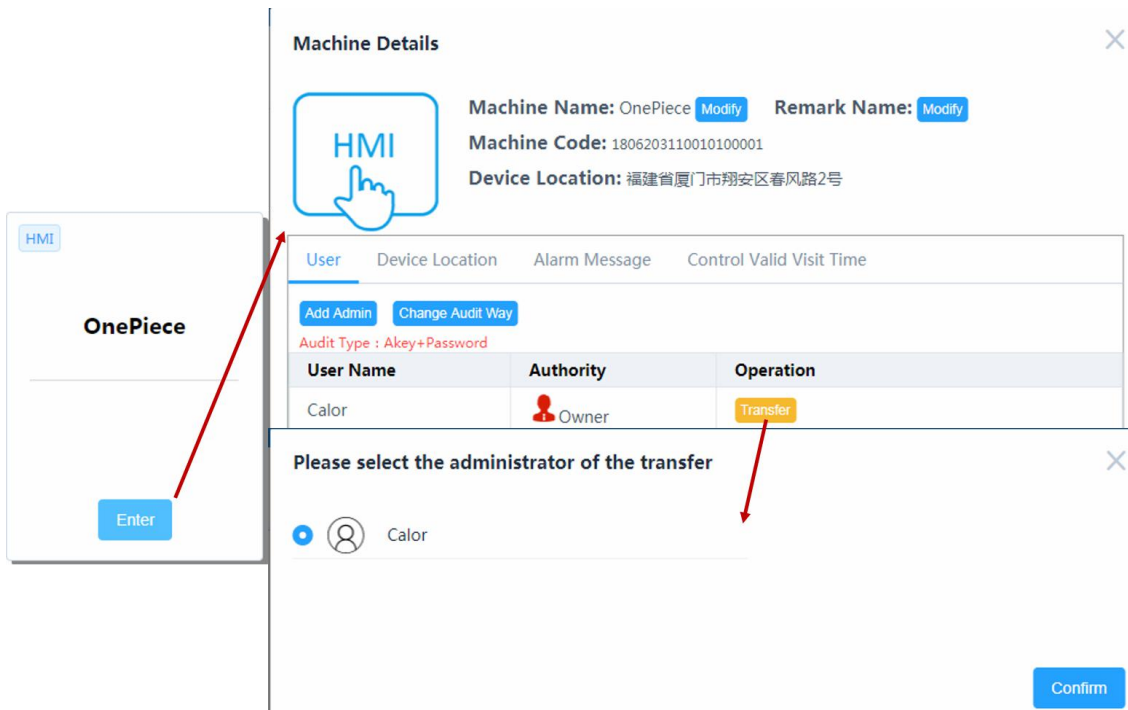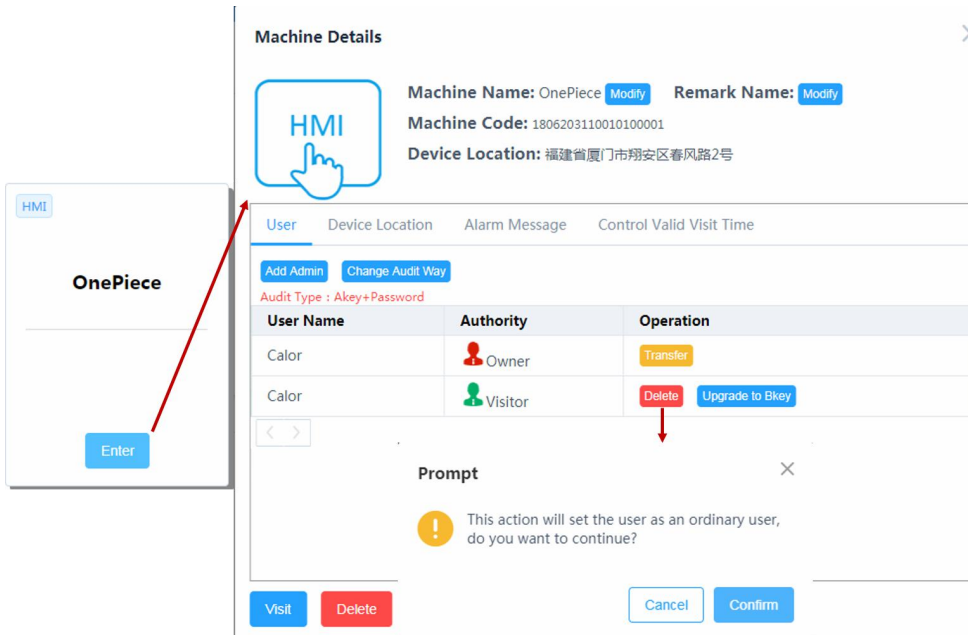
Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter device detail interface; in the [device member] interface, click [transfer device] in the owner information box; enter transfer device interface, select user, click [confirm transfer]. Hint: owner only can transfer device to administrator.

● Delete user

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter into device detail interface; in the [device member] interface, click the member account that needs to be deleted. Then you need to select [delete] in popped-up option box and click [confirm] in popped-up box. Hint: only owner has authority to delete member.

● Access to device

Enter into the home page of cloud platform, expand [my device], select device, click [enter] to enter into device detail interface; in the [device member] interface, click [visit]. When you are the owner or administrator of device, click [access], then you can access to device directly. When you are the visitor, you need to apply for access.

①When the audit mechanism is "owner + admin audit":

System will send message to owner and administrator when user click [access]. Either owner or administrator agree the apply and set period of access time, user can get the permission to access to HMI.

②When the audit mechanism is "password audit":

System will pop up a message that require an audit password to user when user click [access]. When password is correct, user can get the permission to access to HMI.
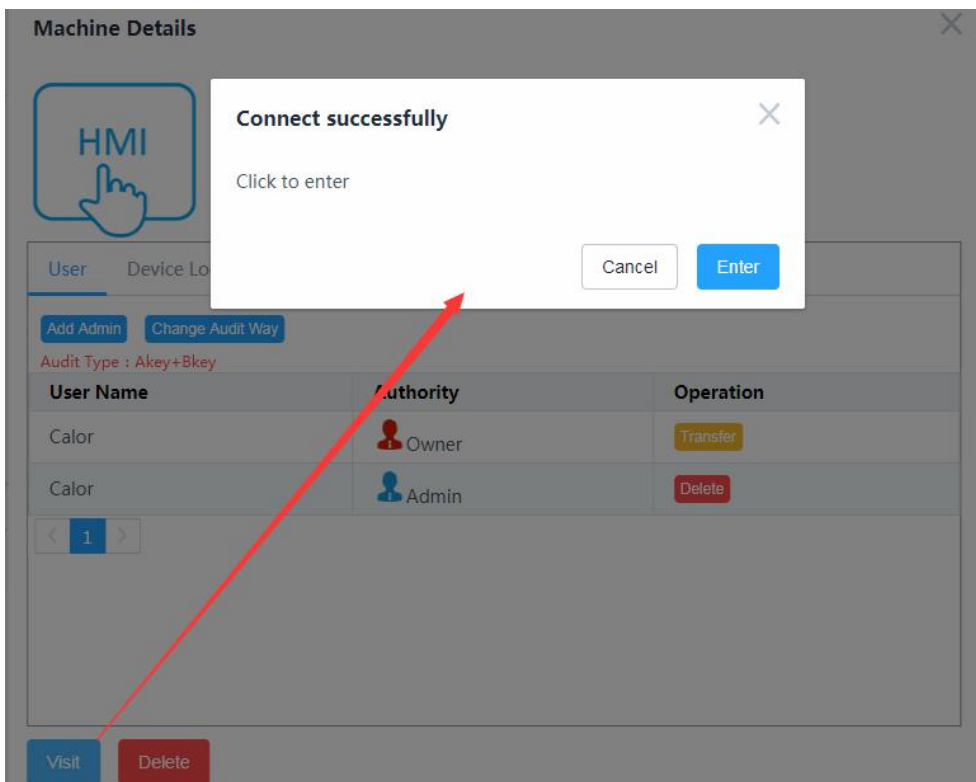
Tip: Accessing the HMI through the cloud platform requires that the project must be a network project and allow to be control remotely; If the downloaded project of HMI is not allowed remote operation, you need to set the project to allow remote operation in the configuration; if the downloaded project of HMI is in a local network, you need to set the project to be in a network engineering in the configuration; After all conditions were set, you can download the project to the HMI.

Steps are as follows:

① Enter the project from toolbar - project properties - extended- senior – advanced setting, set the project to [all allow remote].
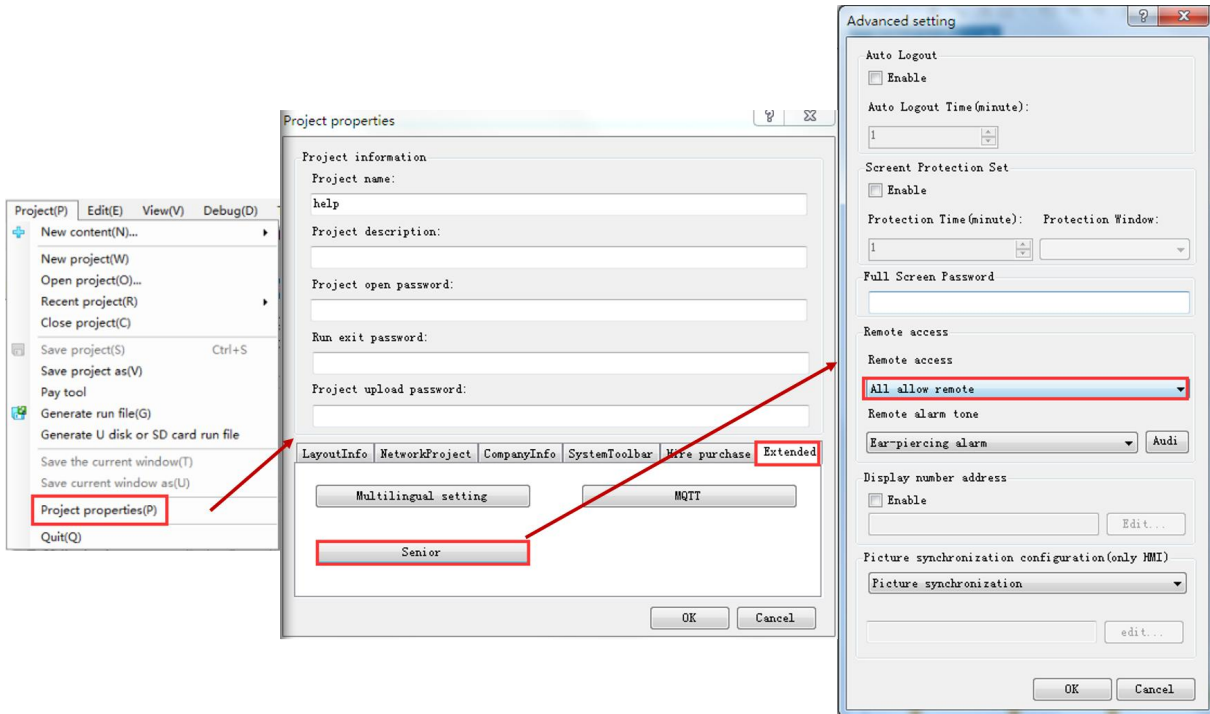
② Enter the project from the toolbar - Project Properties - Network Project - Network Project Mode, set to [Enable Network project].
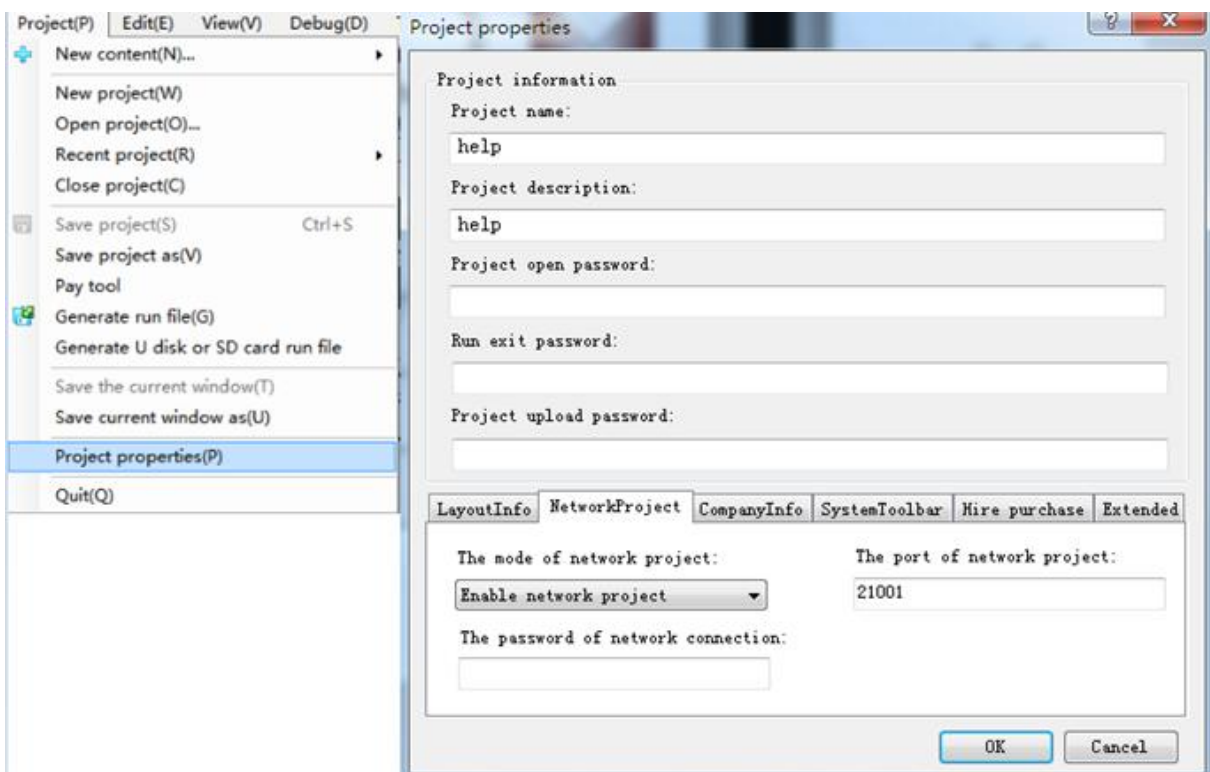
③　Open the Device Manager and click Download Project to download the project to the HMI via Local Management/Cloud Management.
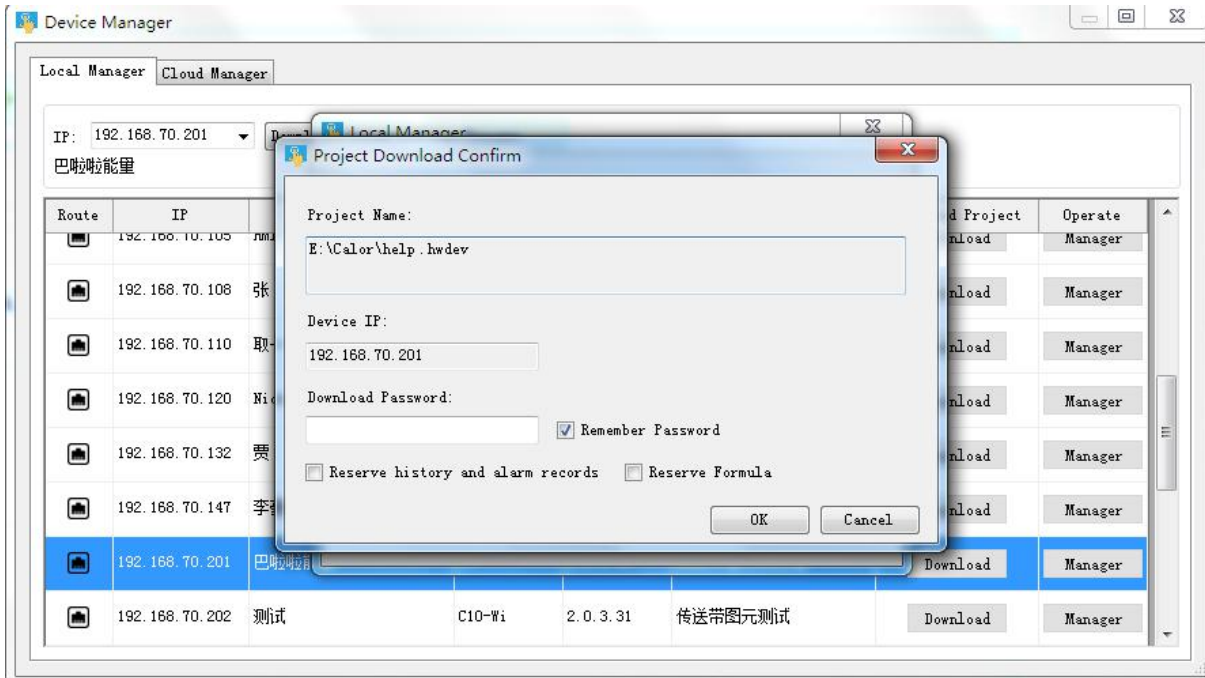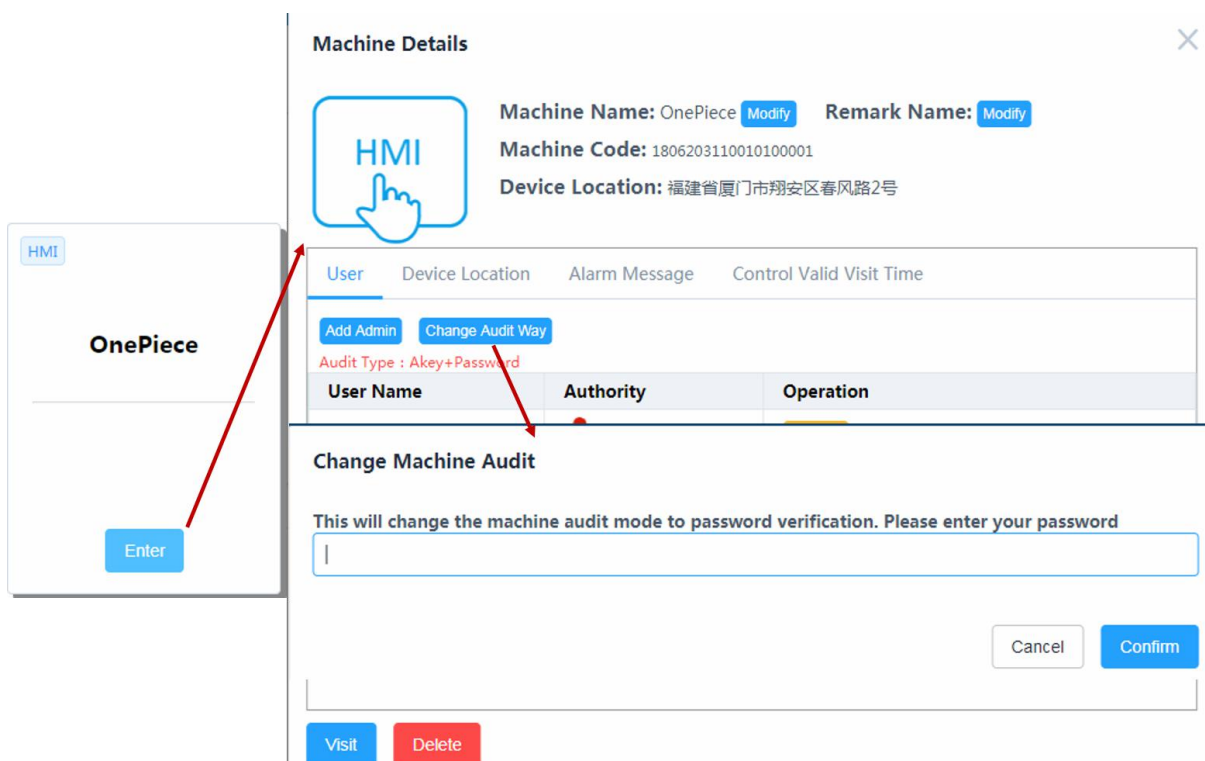

2.3 Device management

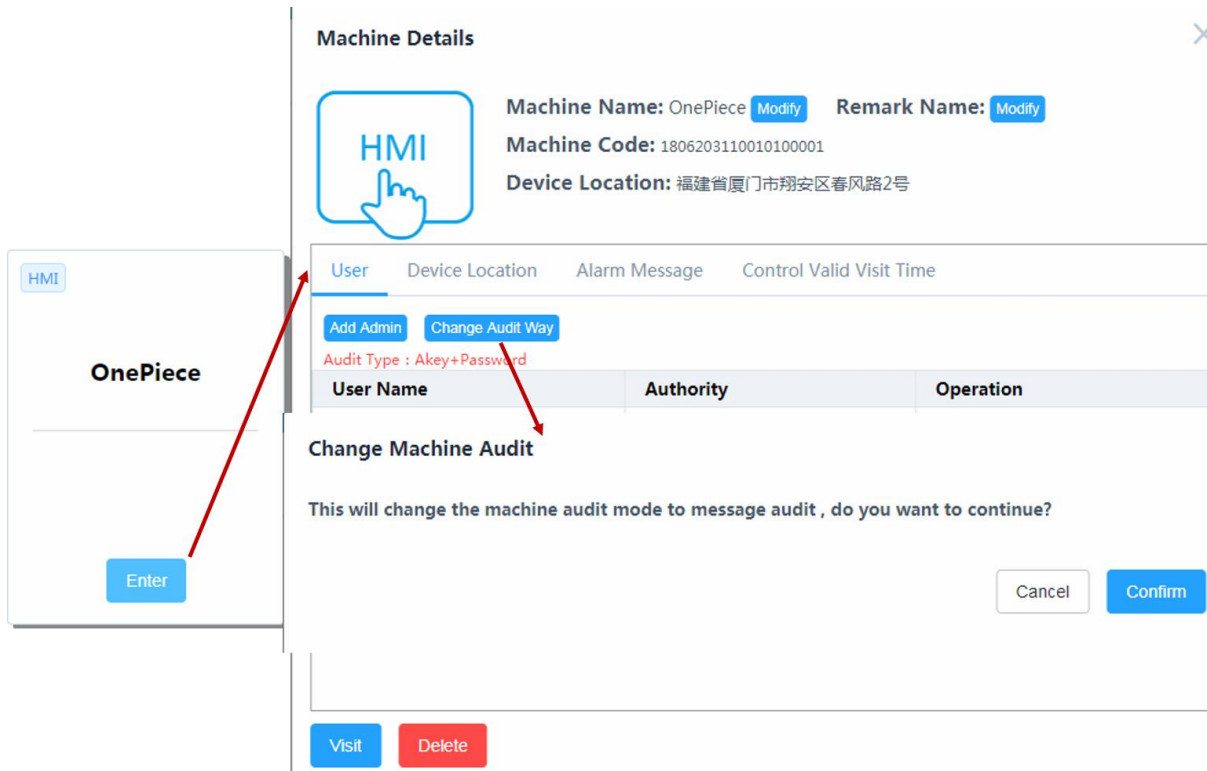● Modify audit mechanism

Login cloud platform and enter home page, expand [my device], select device and click [enter] to enter machine details interface, click [change audit way]. Then system will pop up an interface that you can change audit way.

① from "owner + administrator" to "password"

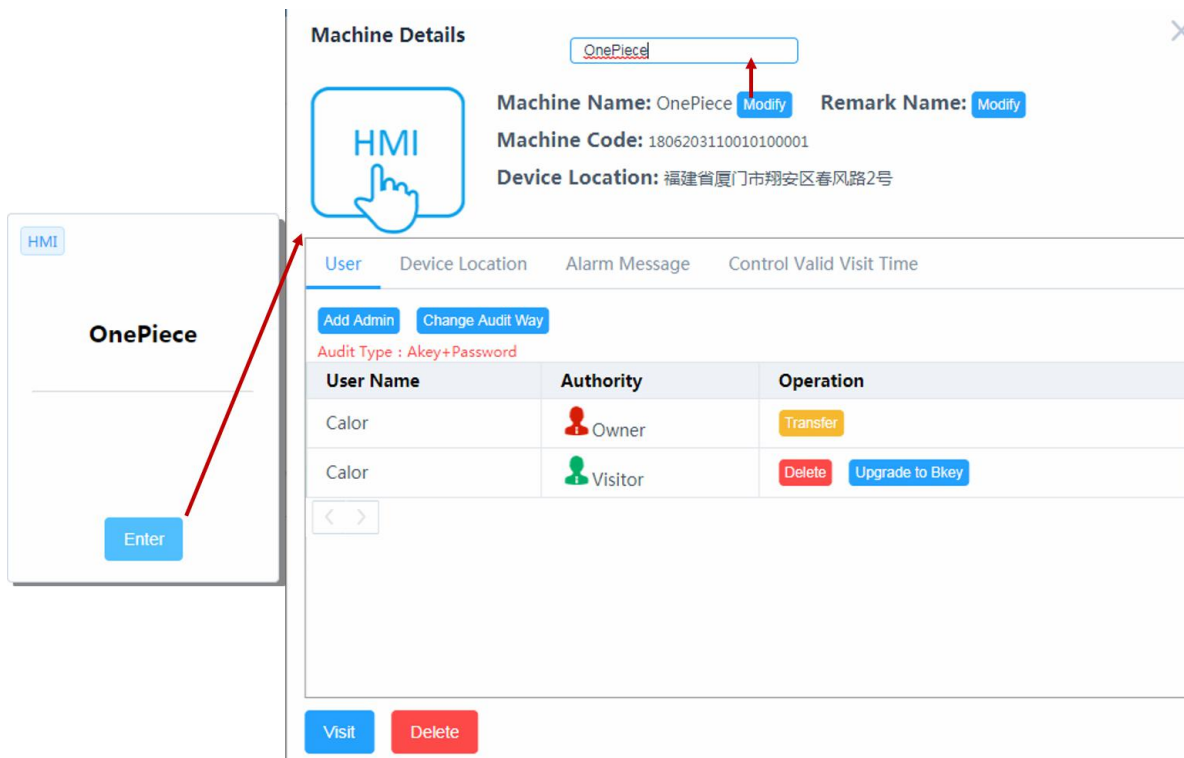Input audit password in popped-up interface, click [confirm].

② from "password" to "owner + administrator"

Click [confirm] in popped-up interface.

Machine Details ✕

HMI

Machine Name: OnePiece [Modify]　　Remark Name: [Modify]
Machine Code: 1806203110010100001
Device Location: 福建省厦门市翔安区春风路2号

User	Device Location	Alarm Message	Control Valid Visit Time

[Add Admin] [Change Audit Way]
Audit Type : Akey+Password

User Name	Authority	Operation

Change Machine Audit

This will change the machine audit mode to message audit , do you want to continue?

[Cancel] [Confirm]

HMI

OnePiece

[Enter]

[Visit] [Delete]

● Edit the name of device

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter device detail interface; click [edit] near in device name, input new device name, press key [Enter] (or any place in device detail page). Hint: only owner can modify the name of device.

Machine Details ✕

OnePiece|

HMI

Machine Name: OnePiece [Modify]　　Remark Name: [Modify]
Machine Code: 1806203110010100001
Device Location: 福建省厦门市翔安区春风路2号

User	Device Location	Alarm Message	Control Valid Visit Time

[Add Admin] [Change Audit Way]
Audit Type : Akey+Password

User Name	Authority	Operation
Calor	👤 Owner	[Transfer]
Calor	👤 Visitor	[Delete] [Upgrade to Bkey]

⟨ ⟩

HMI

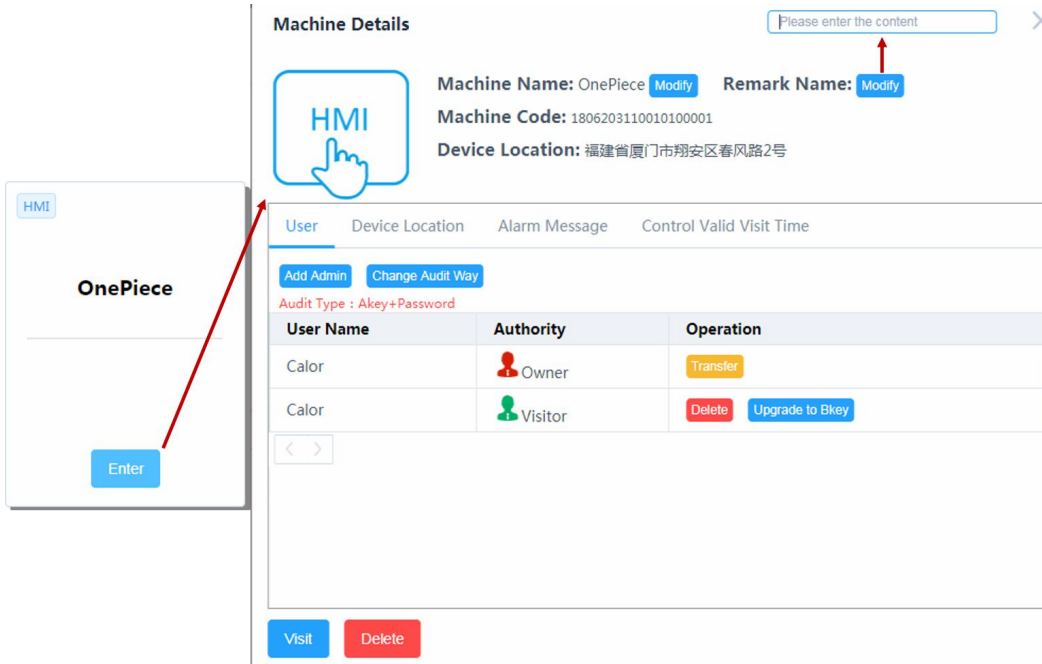**OnePiece**

[Enter]

[Visit] [Delete]

● view machine code

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter into device detail interface; view machine code.
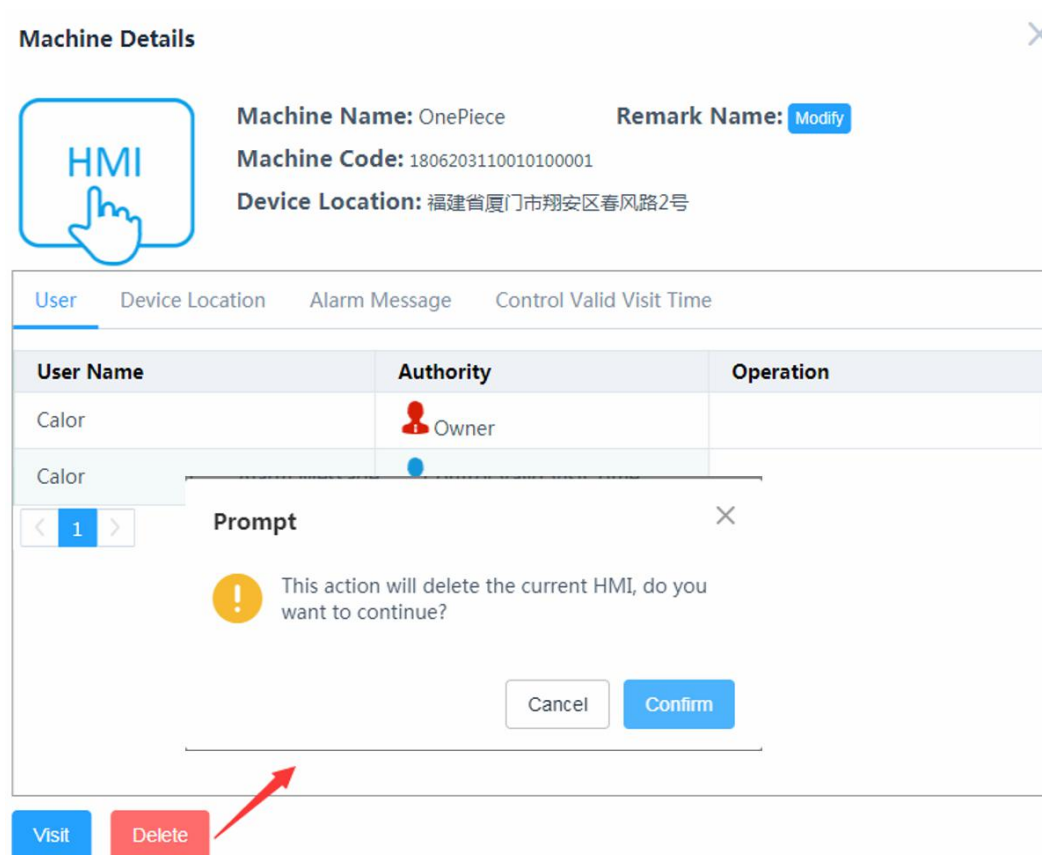
● Edit remarks

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter device detail interface; click [edit] in [remark name]; input new remark, press key [Enter] (or any place in device detail page)

● Delete device

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter the device detail interface; click [delete] and click [confirm] in popped-up option box.

2.4 Alarm information

● View alarm message

Enter the home page of cloud platform, expand [my device], select device, click [enter] to enter the device detail interface; view alarm information in [alarm content]. Hint: only owner and administrator can view alarm content.

Hint: The prerequisite for cloud website to view the alarm message is that the downloaded project of HMI already added a cloud alarm variable. Detail operation are shown below:
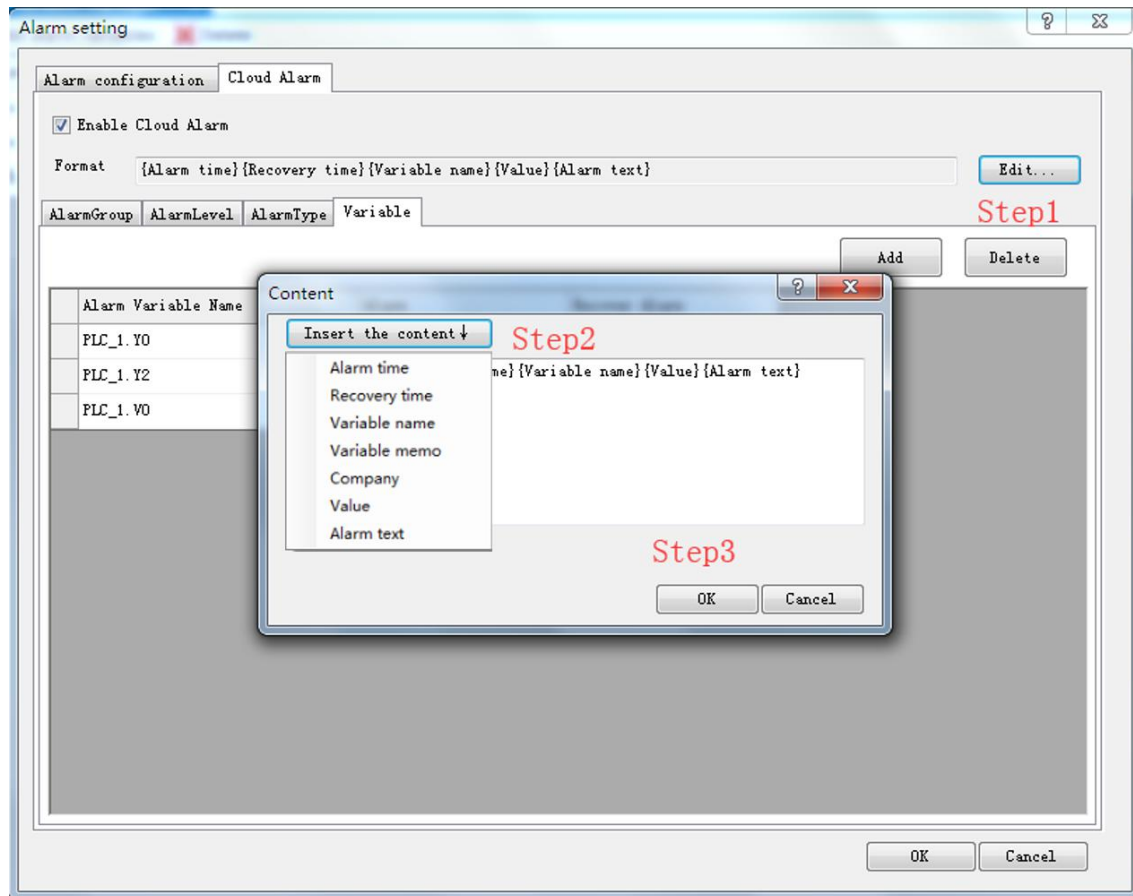
①add alarm variable

Enter the configuration project browser, open alarm interface and add alarm variable (Add the variable that has been associated with a pixel)

②start cloud alarm

Enter into the [alarm setting], click [cloud alarm]; enter into the cloud alarm setting interface and start cloud alarm.
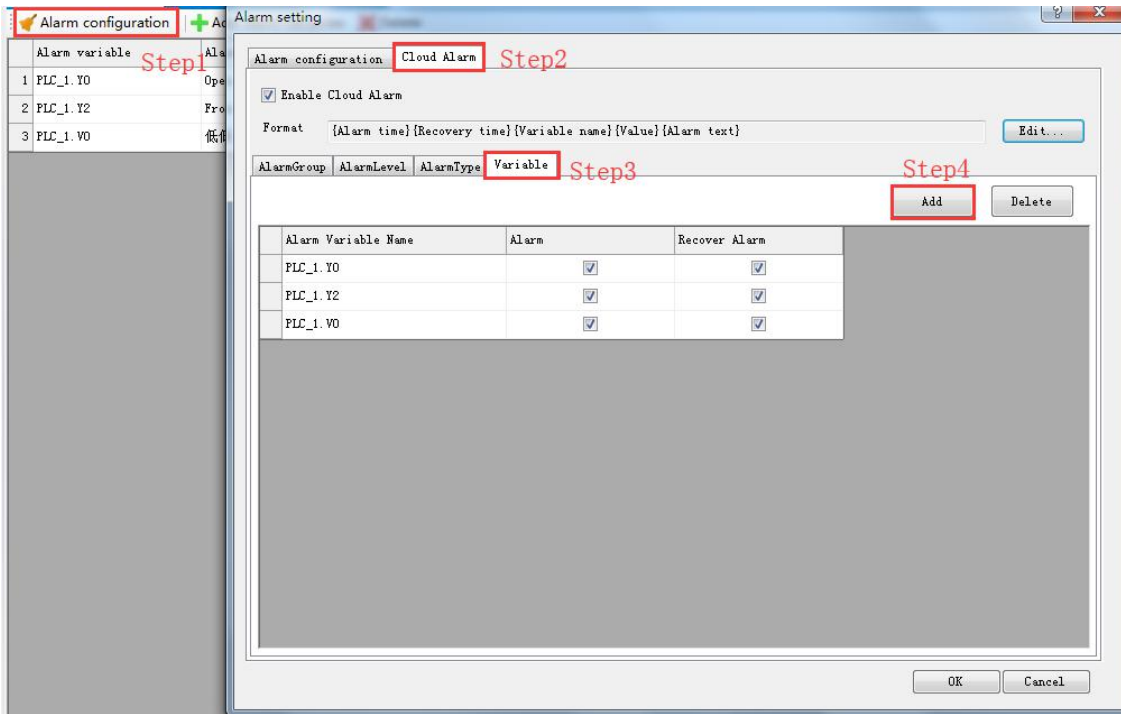
③add alarm content

Select [edit] in alarm format bar, click [insert the content], select content that need to be alarmed and click [ok].
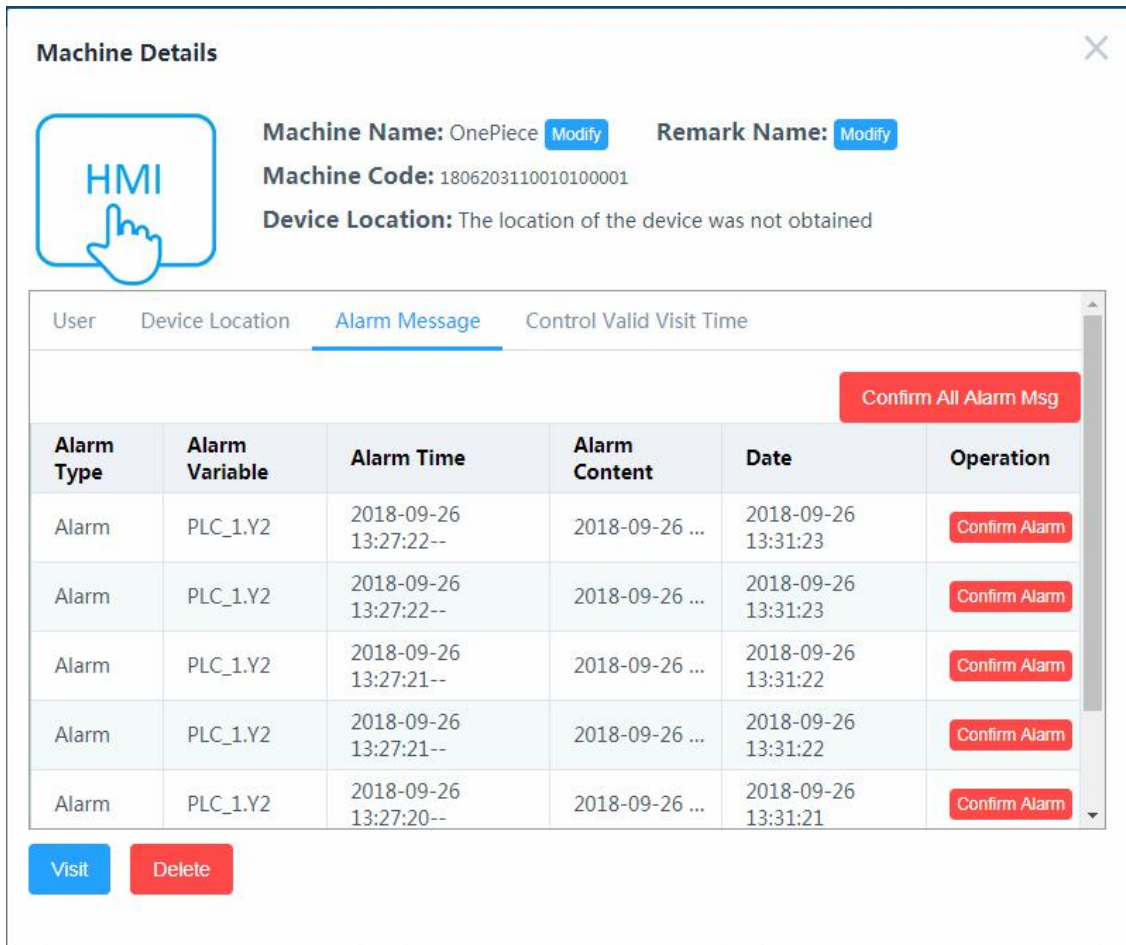

④add cloud alarm variable

Select [variable] and click [add].

- confirm alarm

In the page of [alarm message], click [confirm alarm] to confirm each alarm message; if it doesn't need to confirm all message, you can click [confirm all alarm msg].

2.5 control valid visit time

Log in the cloud platform, enter the home page, expand [my device], select the device, click [enter], and enter the device details interface; On the page of [control valid visit time], members' access time can be checked. Click [clear] in the column of [operation], and the system will pop up the prompt "effective access time reset successfully!", the access time can be deleted. If visitors want to access to HMI, they need to submit the visit application again.
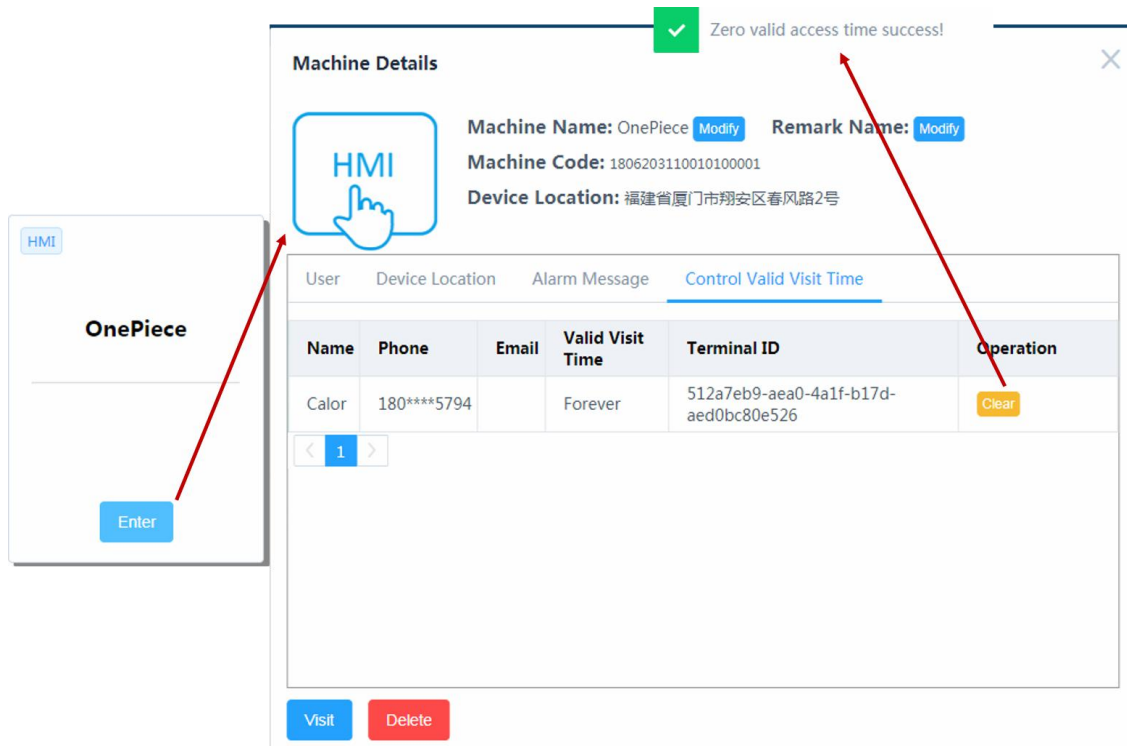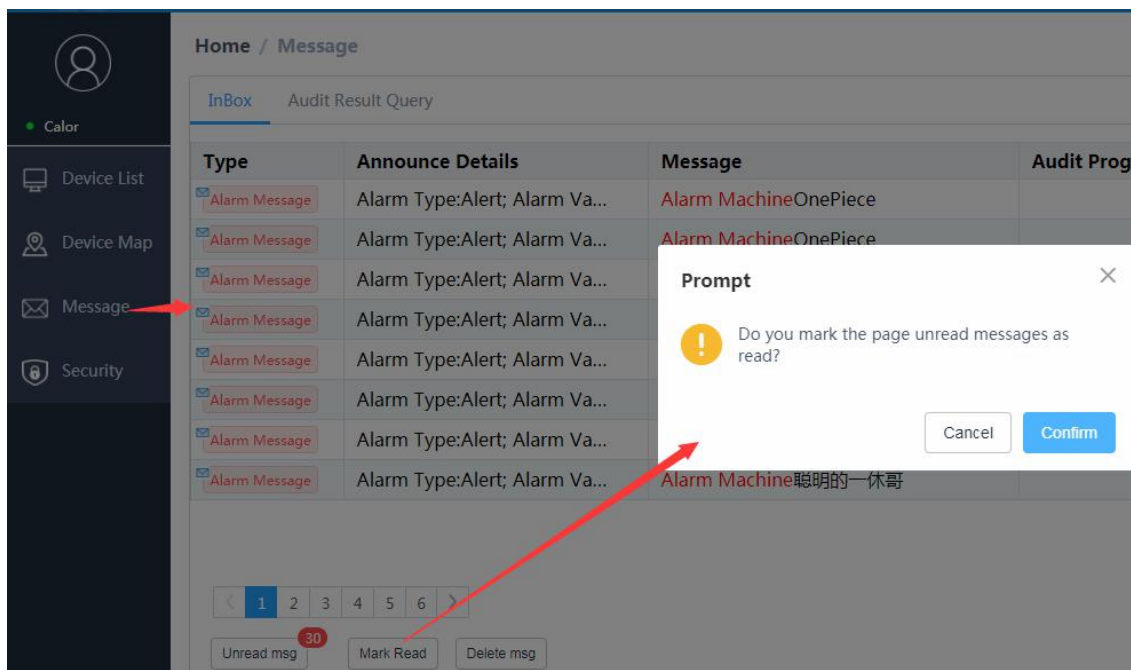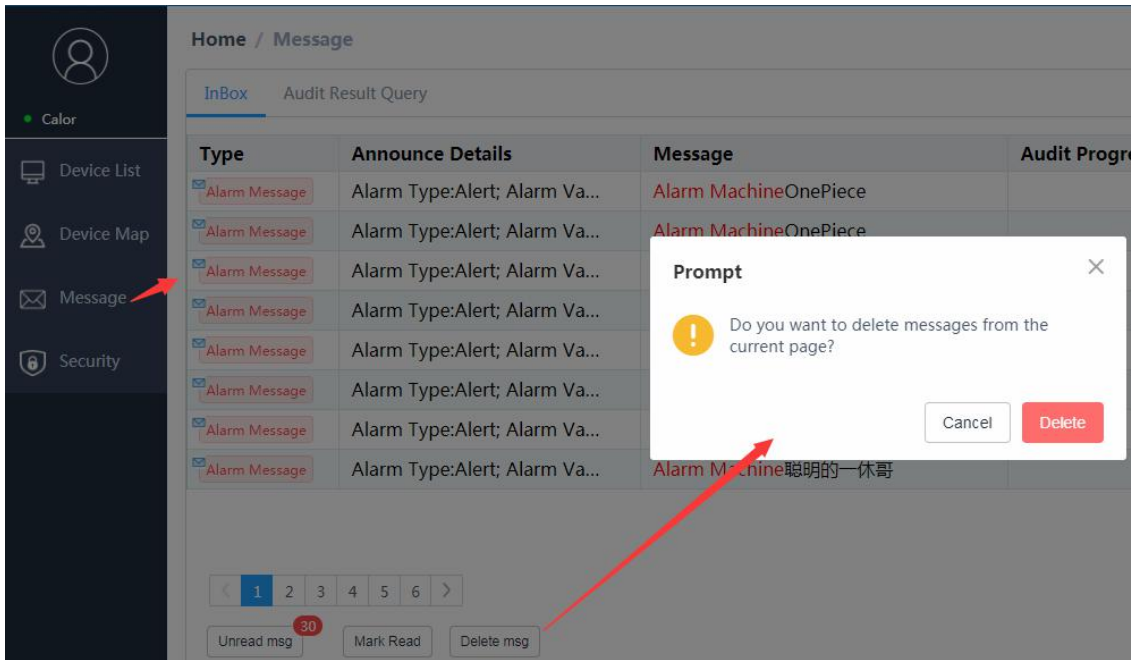

3. Message center

3.1 Message

● Mark the message as read

Log in the cloud platform, enter the home page, and expand [message]. On the inbox page, click [mark read], and the message is marked as read prompt box. Click [confirm] to mark all unread messages as read.
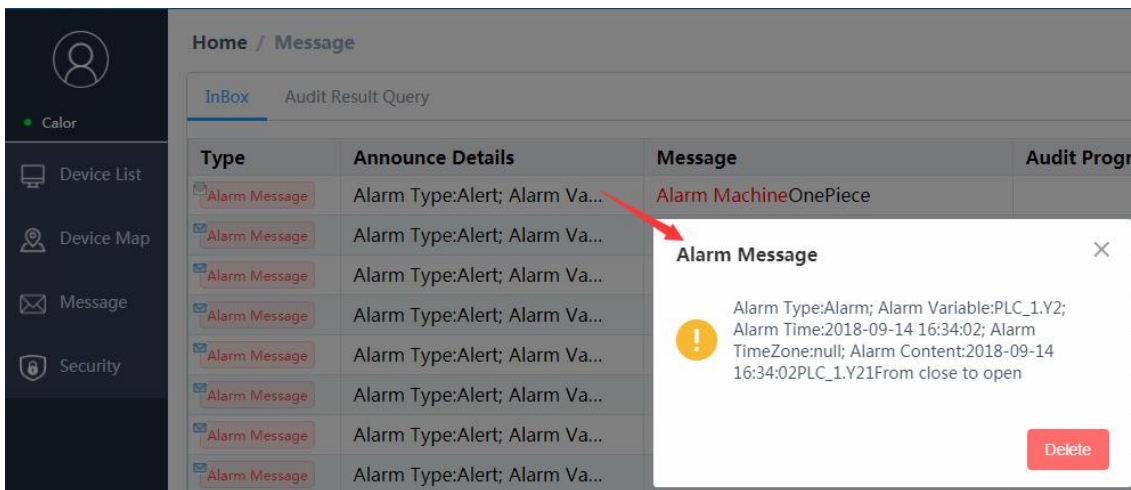
● Delete the current message record

Log in the cloud platform, enter the home page, and expand [message center]. On the inbox page, click [delete message], and a prompt box for confirming deletion will pop up. Click [delete] to delete the message record of the current page.


● Delete the indicated message record

Log in the cloud platform, enter the home page, expand [message center], and click the specified message on the inbox page -- [announce details], the message details will pop up, and click [delete] to delete the specified message record
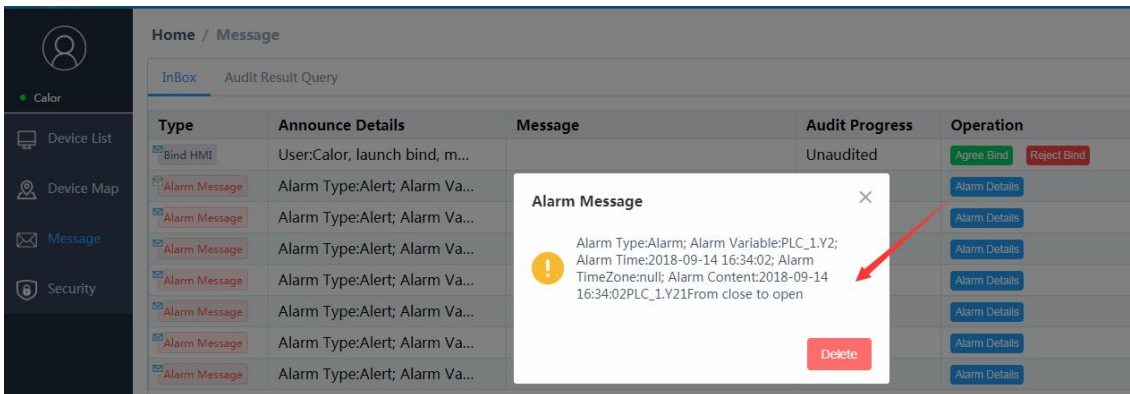

● operation message

➢ HMI Message type-binding

Log in the cloud platform, enter the home page, and expand [message center]. On the inbox page, select the specified message record and click [agree bind] in the [operation] column. If it is necessary to reject the user binding, click [refuse binding] in the operation field and the refuse binding confirmation prompt box pops up. If necessary, you can input the reason for rejection and click [confirm].
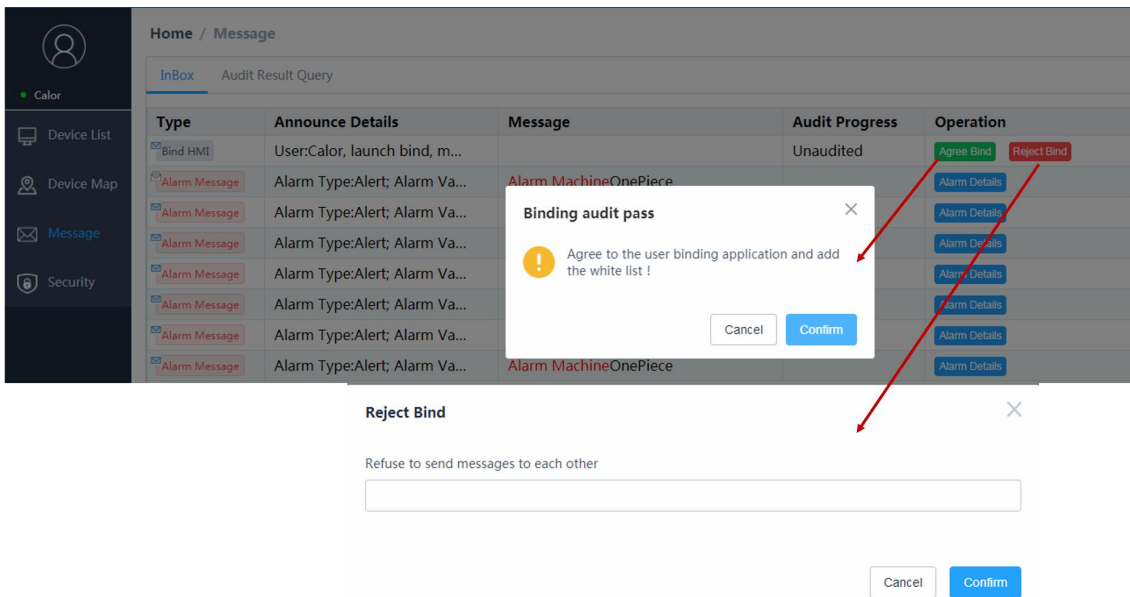
➢ Message type- Alarm message

Log in the cloud platform, enter the home page, and expand [message center]. On the inbox page, select the specified message record and click [alarm details] in the operation column. System will pop up alarm message detail. Click [delete] to delete alarm message.


➢ message types - apply for access

Log in the cloud platform, enter the main interface, and expand [message center]. On the inbox page, select the specified message record and click [agree visit] in the operation column. The prompt box for confirming setting visit time pops up. If it is necessary to reject the user's application for access, click [refuse visit] in the operation bar and the "refuse visit" prompt box pops up. If necessary, you can input the reason for refusal and click [confirm].
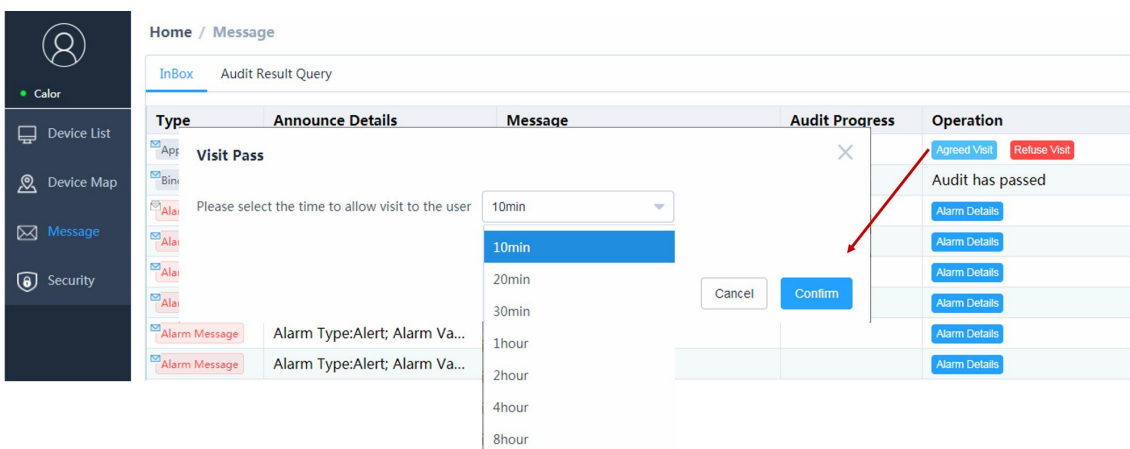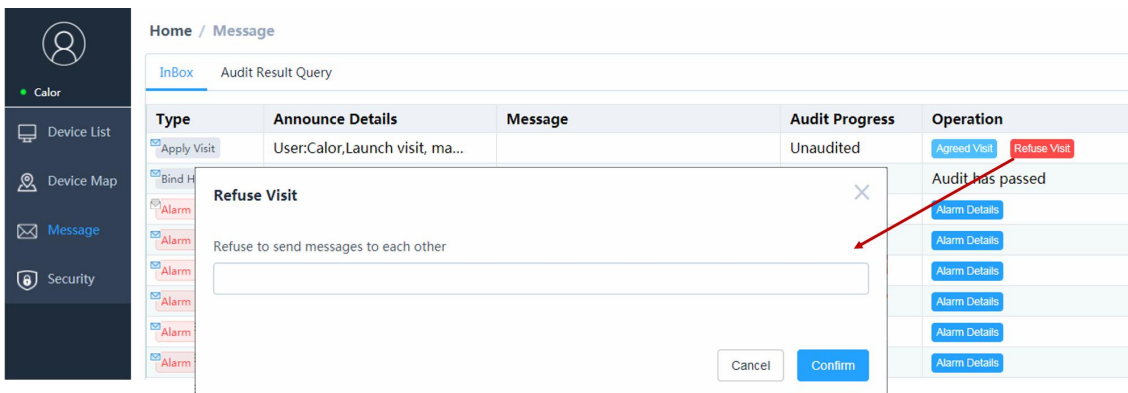
3.2 audit result query

Log in the cloud platform, enter the home page, and expand [message center]. You can search audit message in audit result query page (including type, HMI, setbacks, message, audit result, time).
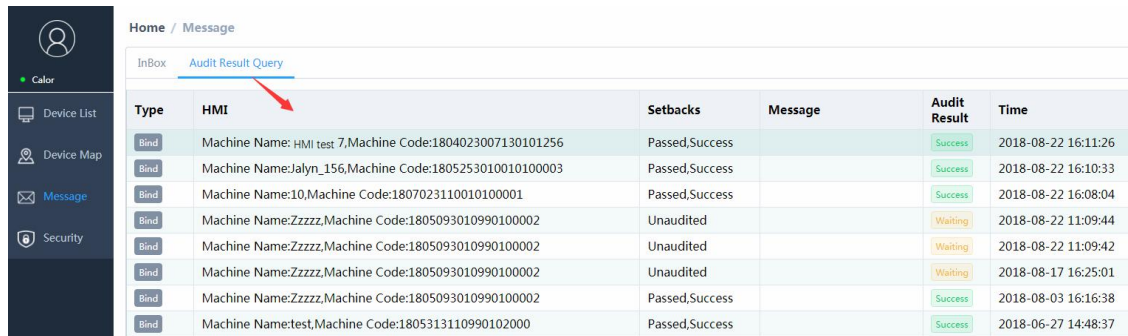
## 4. Security center

Terminal of current account binding

Log in the cloud platform, enter the home page, and expand [Security]. You can search terminal information in the page of terminal which already bound with current account (including terminal type, terminal name, login time, token expiry time, operation); click [delete] in operation column and click [confirm] in popped-up confirm prompt box.
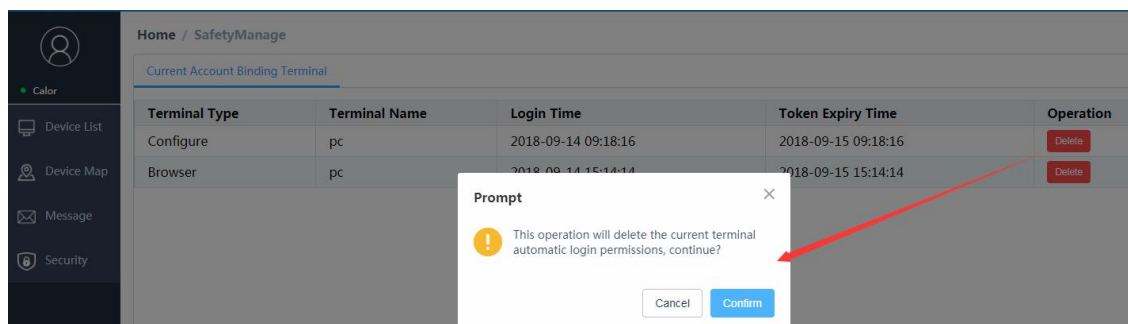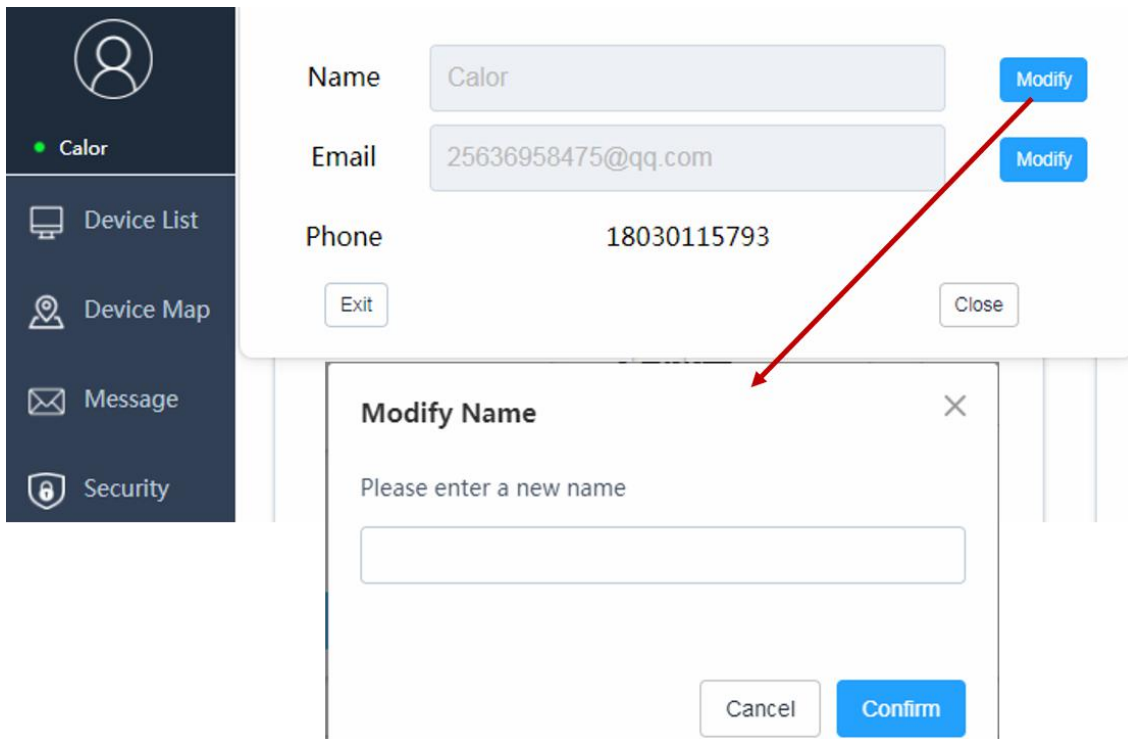

5. User Center

5.1 Log out system

Log in the cloud platform and enter the main interface. Click the user center page in the upper left corner of the main interface, click [exit] and a prompt box for confirming logout of the current user will pop up. Click [confirm] to exit the current login.
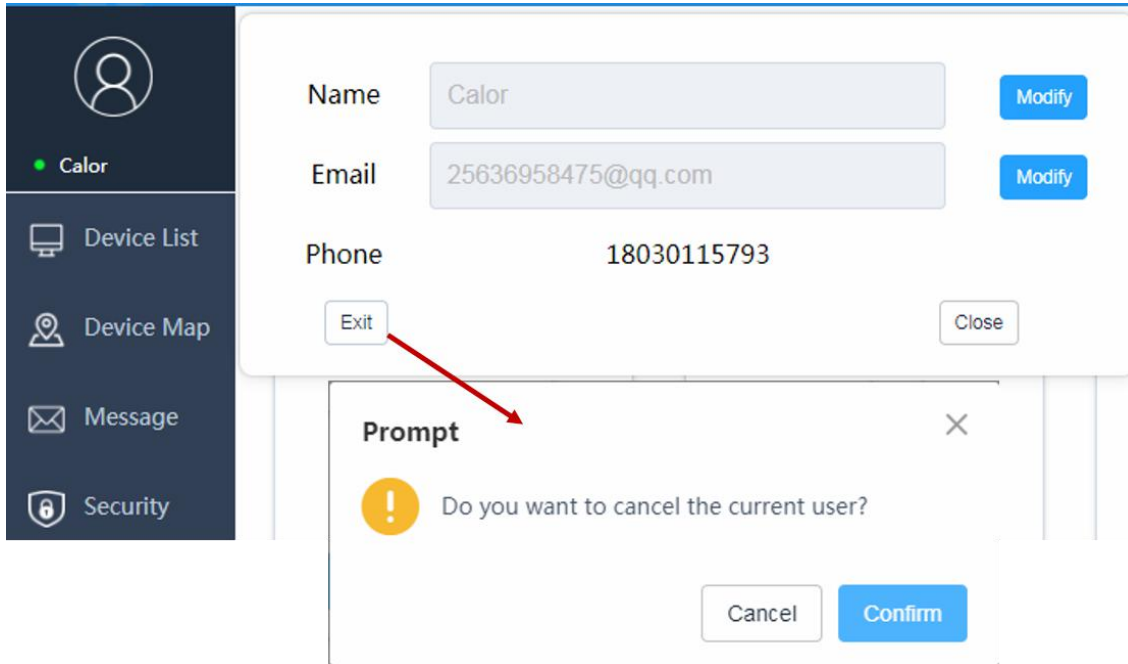
5.2 Modify user information

Log in the cloud platform and enter the main interface. Click the user center page in the upper left corner of the main interface, click [modify] near user's name and a prompt box for input new name will pop up. Then click [confirm].

5.3 Modify/bind email

Log in the cloud platform and enter the main interface. Click the user center page in the upper left corner of the main interface and click [add] on the right side of the mailbox column to modify the mailbox window. Enter the login password and click [confirm] to enter the modified mailbox page. Enter the email account, click [next step], enter the mailbox binding page, enter a new email address, and click [next step]; enter the verification code received by mailbox in the popped-up security verification page, and click [finish].Hint: when the login account is the mobile phone number, you can bind the email account; When the login account is the email account, the email account can be modified.
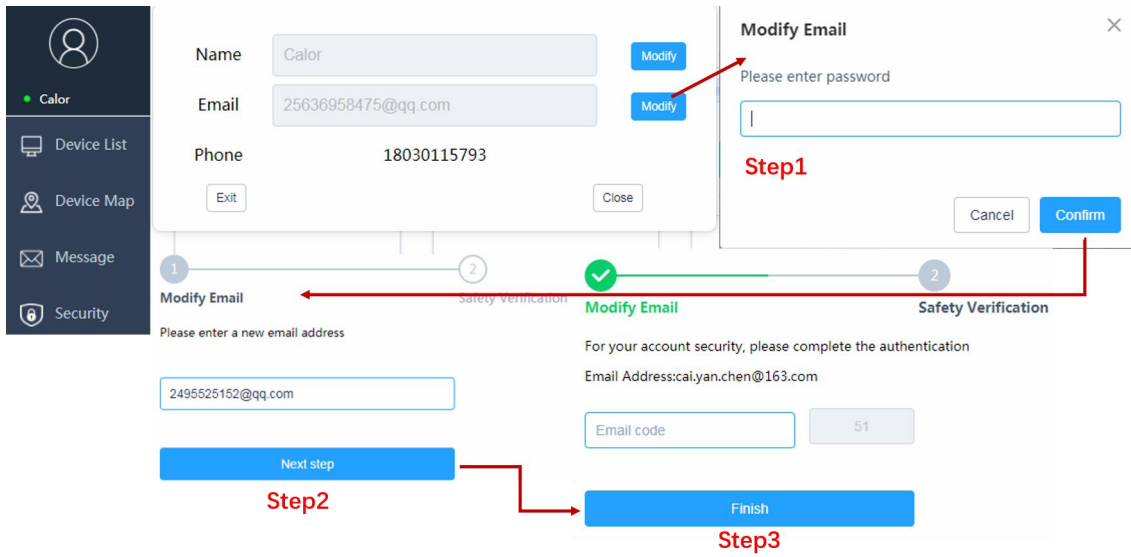
5.4 multi-language setting

Login cloud platform, enter into home page , click [languages] in upper right corner of home page. Then you can change system language (cloud platform supports English version and simplified Chinese only)