1

Chapter 1 DIACloud Platform

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1.1 DIACloud Web Portal

This chapter introduces the operation methods of DIACloud Web Portal. DIACloud is an IoT cloud platform used for industrial automation monitoring and management. Users can access industrial site conditions at anytime and anywhere through the DIACloud Web Portal or mobile App, including collecting production data and monitoring machine and equipment status in real time.

1.2 Function Description

1.2.1 Environment Configuration

It is recommended to use the following browser to log in to the DIACloud web page

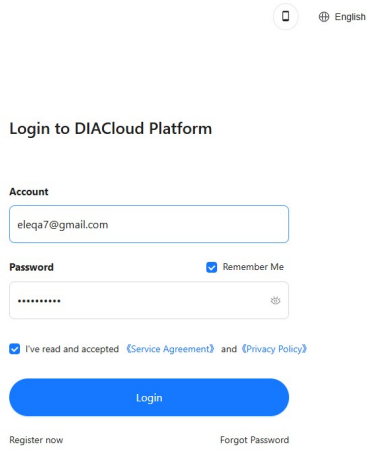
Browser	Version
Chrome	109 or above

1.2.2 Account Settings

You first need to register a DIACloud account at https://hms.diacloudsolutions.com/ before using the DIACloud platform.

- **Login**

Enter the correct account and password on the login page and click Login to log in to the DIACloud cloud platform.



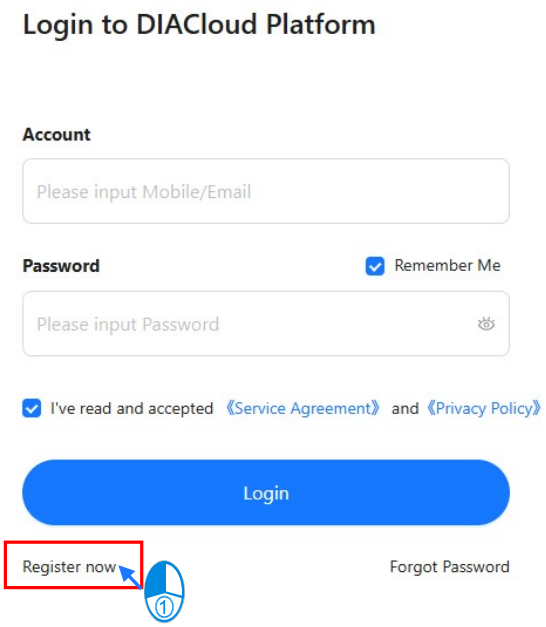
Notification

Click the icon on the upper right corner to switch the display language.

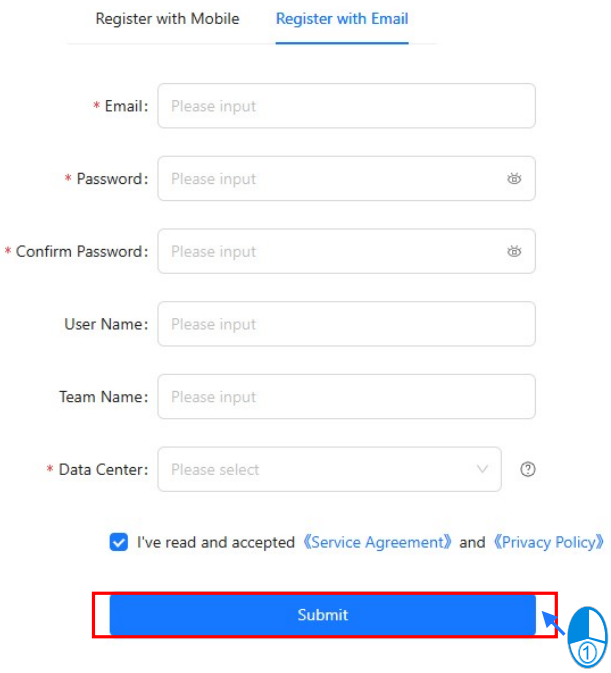
Support Simplified Chinese, English and Traditional Chinese.

- **Register**

Click **Register Now** button on the login page to jump to the registration page. You can choose to register by mobile phone or email. Register with Mobile phone is only for China area.



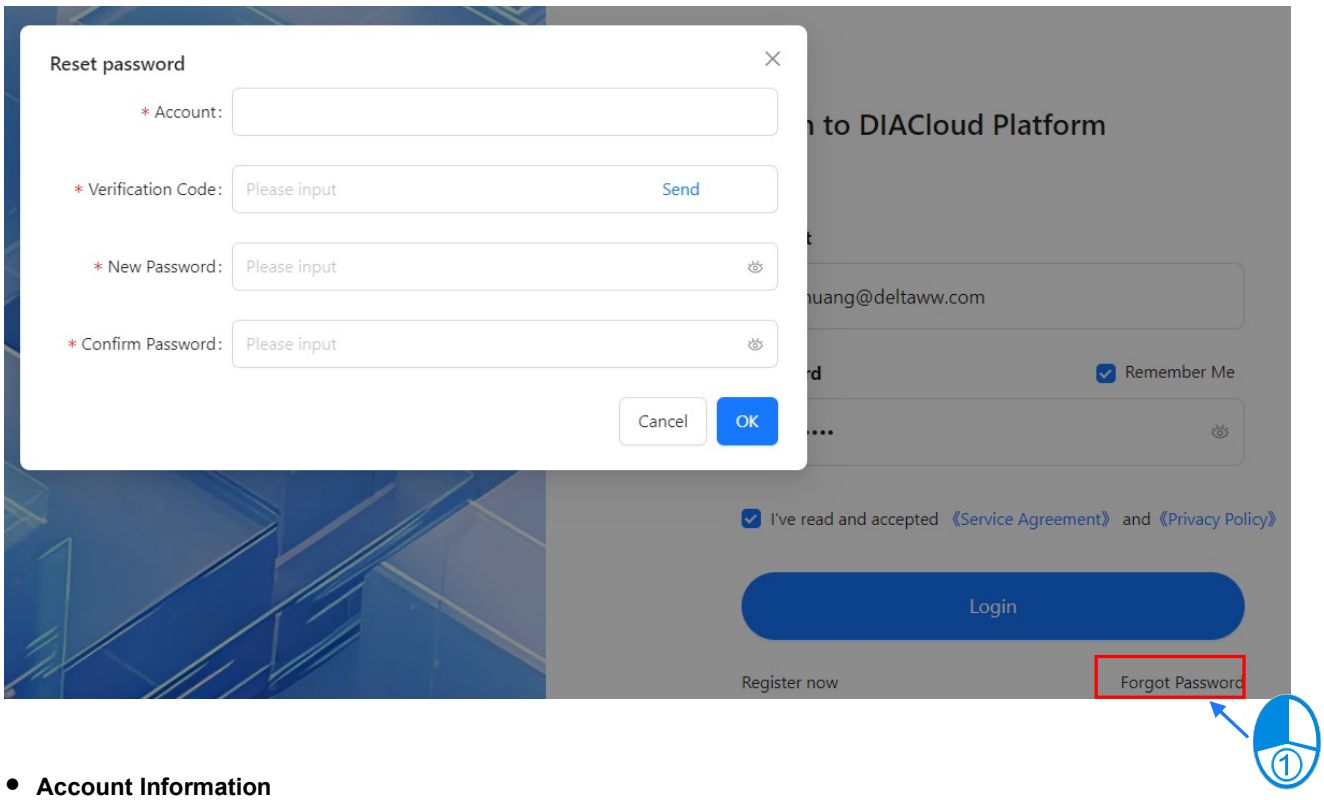
Fill in the registration information and click **Submit** .



- **Forget Password**

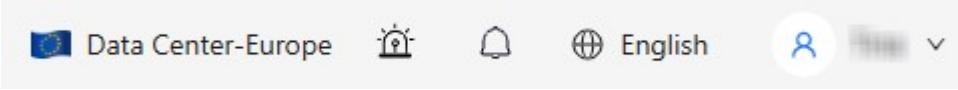
> Notification
>
> 1. The password should be 8-16 characters long and contain at least two or more of digits, letters or symbols.
> 2. If you use email to register, please go to your email to activate the account after submitting the registration.

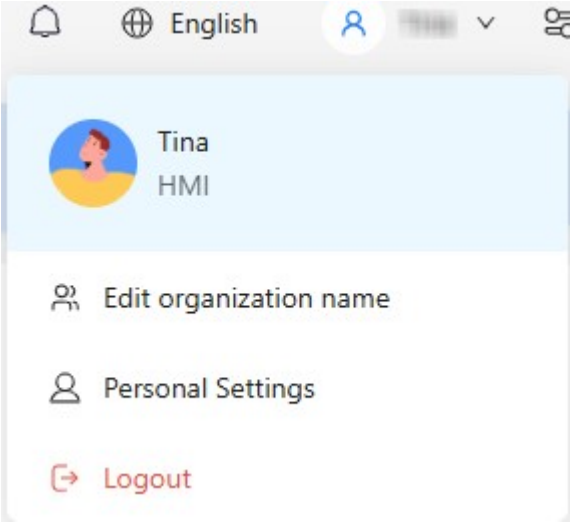
Login to the webpage https://hms.diacloudsolutions.com/ and click **Forget Password**.



- **Account Information**

1. Support to view current account data center.
2. Support to view if there is any device failure under the current account.
3. Support to view if there are billing messages and system announcements under the current account.
4. Support to view account name, team name.
5. Support to edit team name for main account.
6. Support to logout from the account.
7. Support to change the platform language (Simplified Chinese, Traditional Chinese and English).



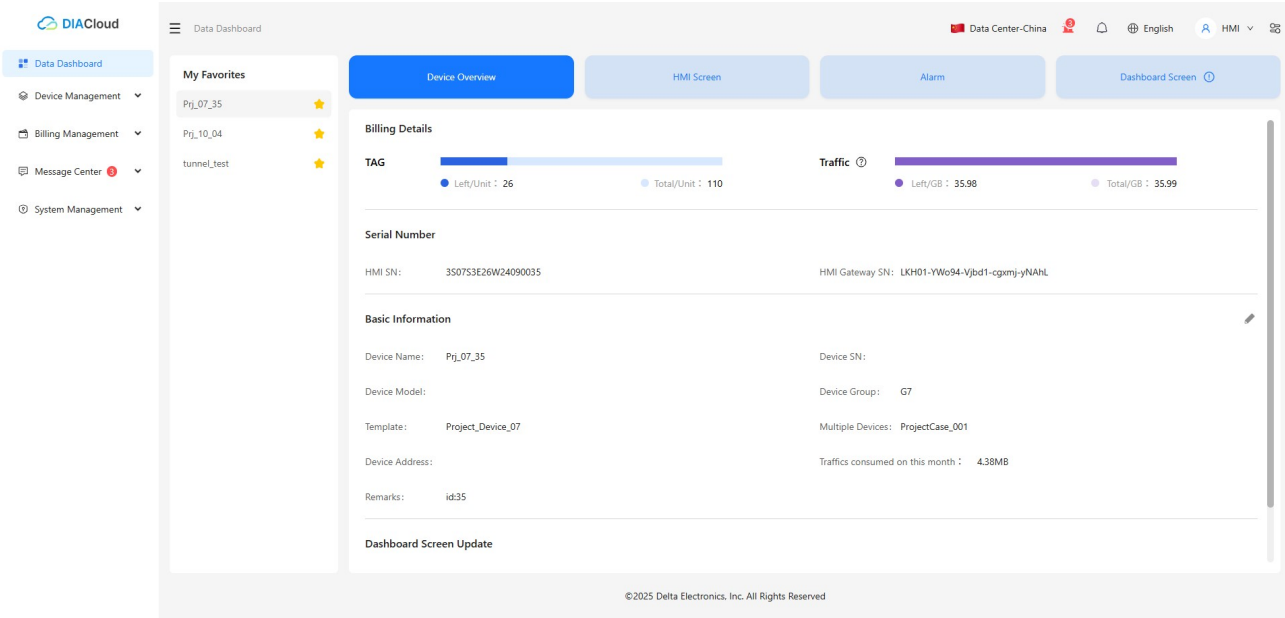


1.2.3 Data Dashboard

The data dashboard mainly displays the devices that the user has selected. Click the device to view device information, , Alarm, TAG and traffic usage, remotely access the HMI screen and monitor the device status through the dashboard.

1.2.3.1 Device Overview

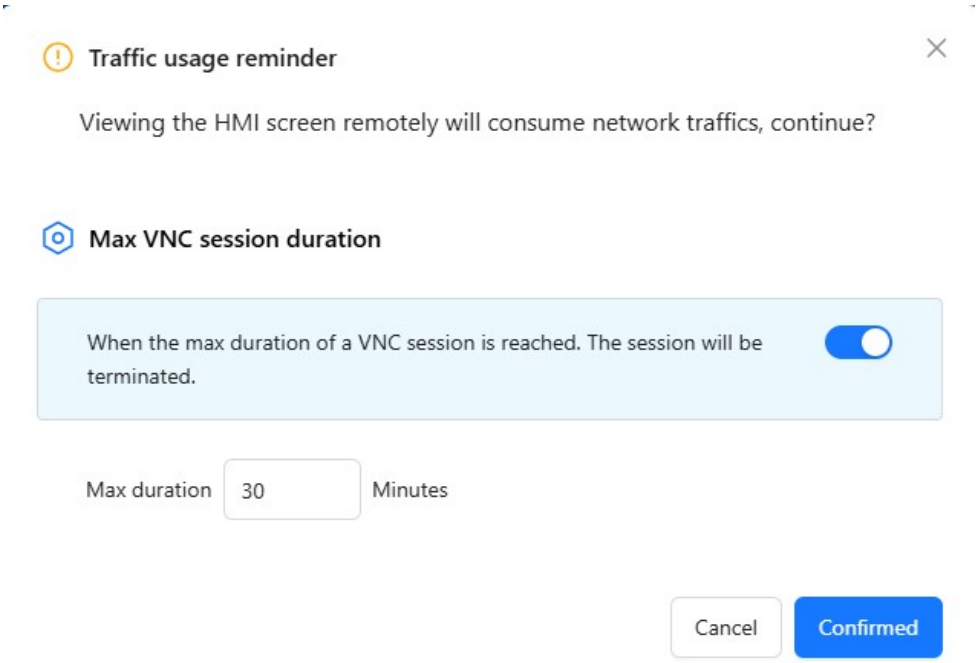
The device has completed binding the DAICloud account in eDIACloud and successfully connected to the Internet. This page shows all current information about the device.

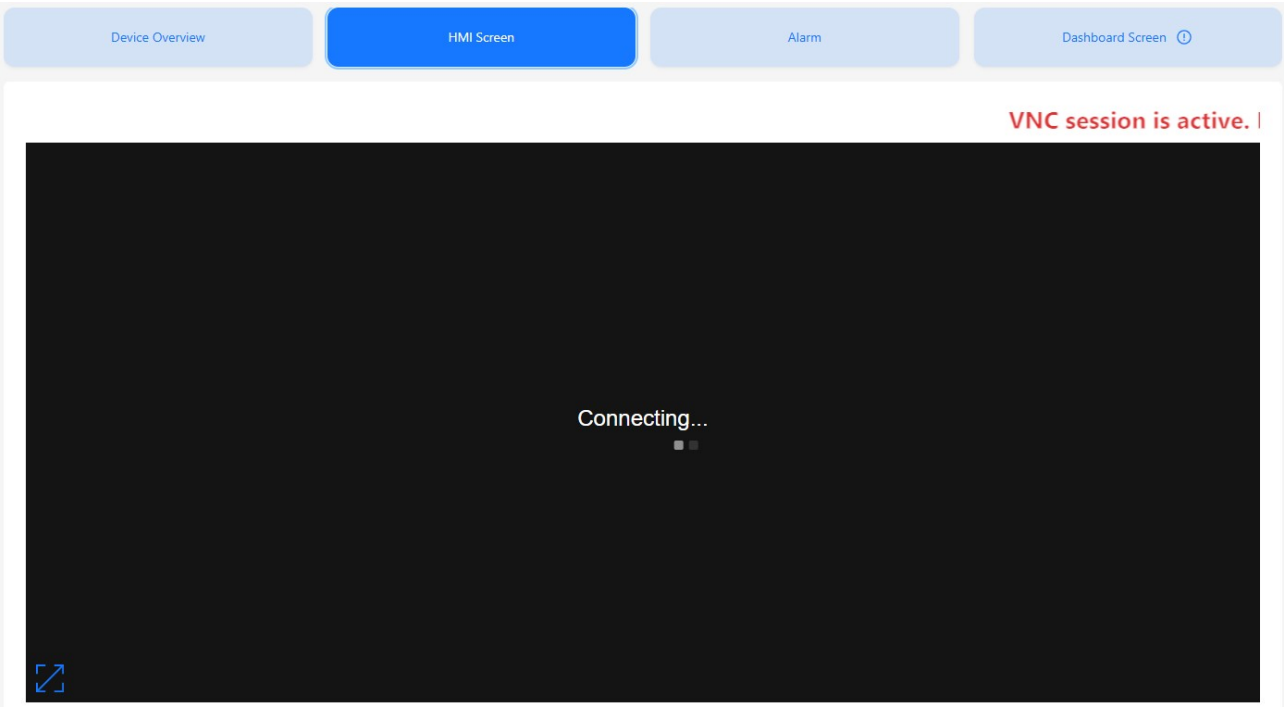


Description	Default
Billing Details	
● TAG: Count the total number of unexpired TAGs on the device and the number of used TAGs among the unexpired TAGs. ● Traffic: Count the total unexpired traffic of the device and the used traffic in the unexpired traffic.	0
Serial Number	
● HMI SN: Display the serial number of the device. ● HMI Gateway SN: Display the gateway serial number of the device. Notification 1. If the device is bound through the built-in License + HMI, the gateway SN will display the License SN. 2. If the device is bound through Dongle + HMI, the gateway SN will display Dongle SN.	N/A
Basic Information	
It shows the information that the device is bound to DIACloud. : Modify device binding information. After completing the modification, click ✓ to save the settings and click × to cancel the changes. ● Device Name: The name of the device bound to DIACloud. ● Device SN: The device serial number that the device is bound to DIACloud. ● Device Model: The model of the device bound to DIACloud. ● Device Group: The group name of the device bound to DIACloud. ● Template: The template name of the device bound to DIACloud. ● Multiple Devices: The name of the multiple devices bound to DIACloud. ● Device Address: This shows the detailed address of the device. ● Traffics consumed on this month: Displays information about the traffic consumed this month.	N/A
Configuration Update	
● Configuration creation: Display the first binding time of the device. ● Configuration modification: Display the first modification time of the device. ● 组态设计 Configuration design: Editing device configurations Notification To edit device configuration, please download and install DIAWebDesigner first.	N/A

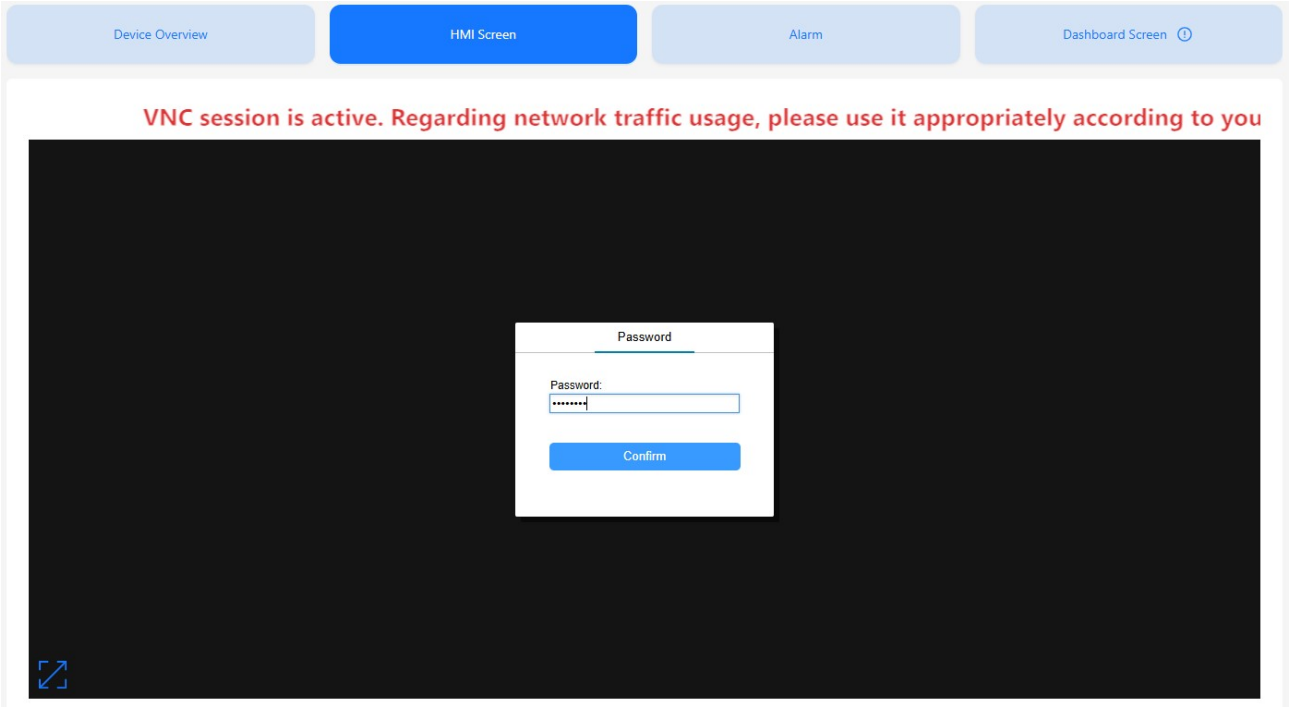
1.2.3.2 HMI Screen

Through the VNC function of HMI, the screen of the HMI machine can be displayed on the web and directly operated. Device traffic is required when viewing the HMI screen. You can configure the viewing time through the setting screen to avoid wasting traffic.

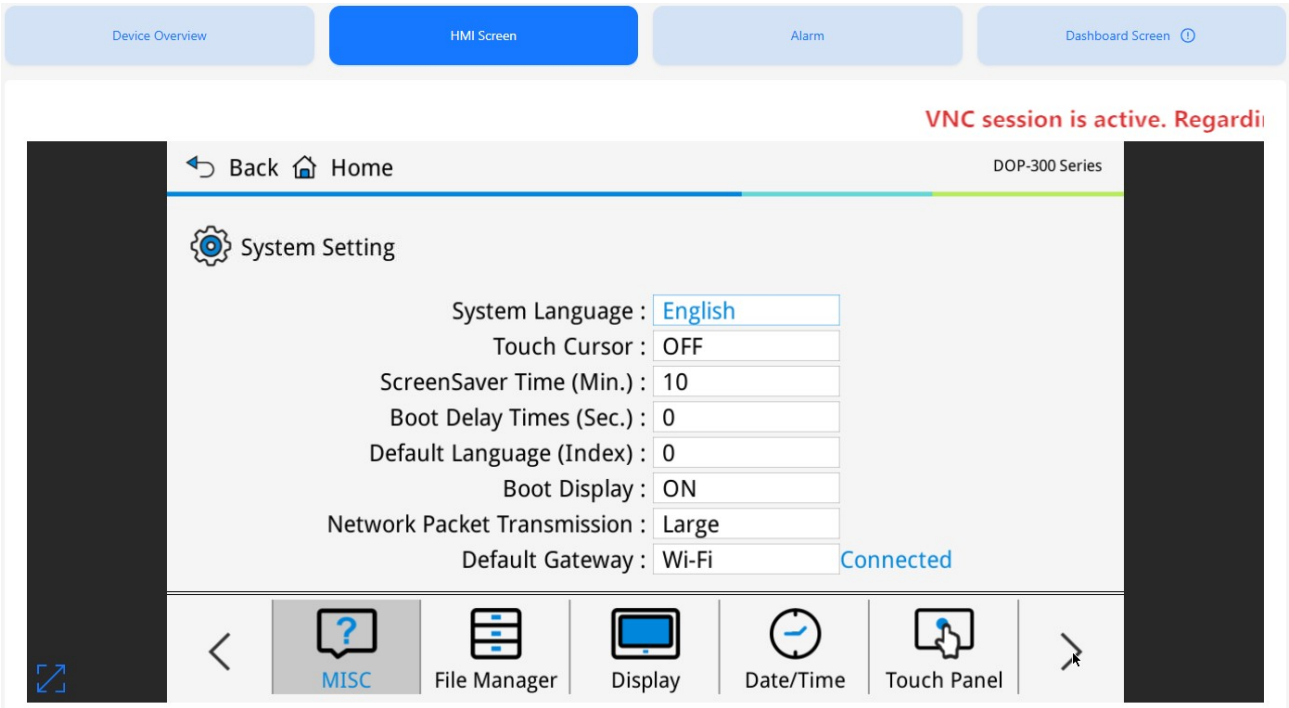




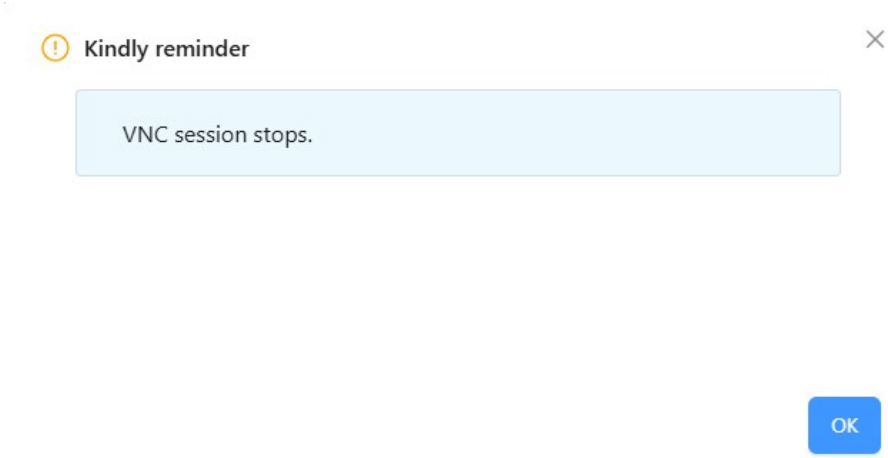
Password window will pop up, enter the VNC password and click **confirm**.



After the connection is successful, the current screen of the device will be displayed on the screen.

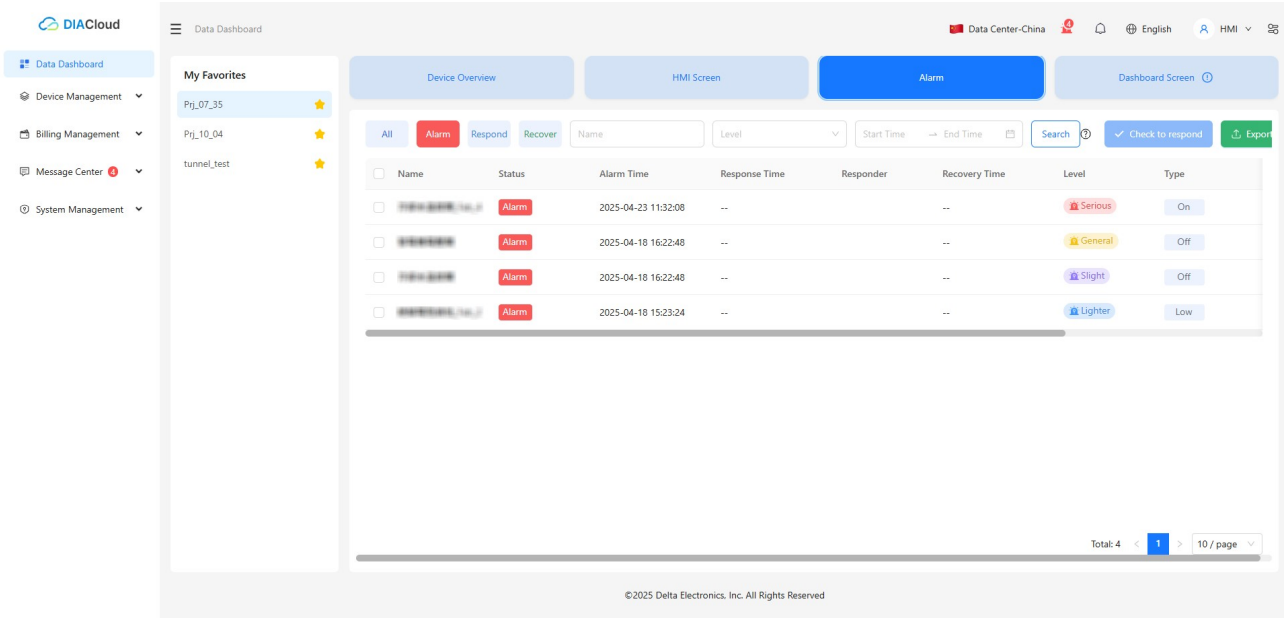


Note: Before using this function, please make sure that the VNC function is turned on. For related settings, please refer to DOP manuals. When closed manually (switching to other pages) or automatically closed (viewing duration enabled), the VNC connection ends.



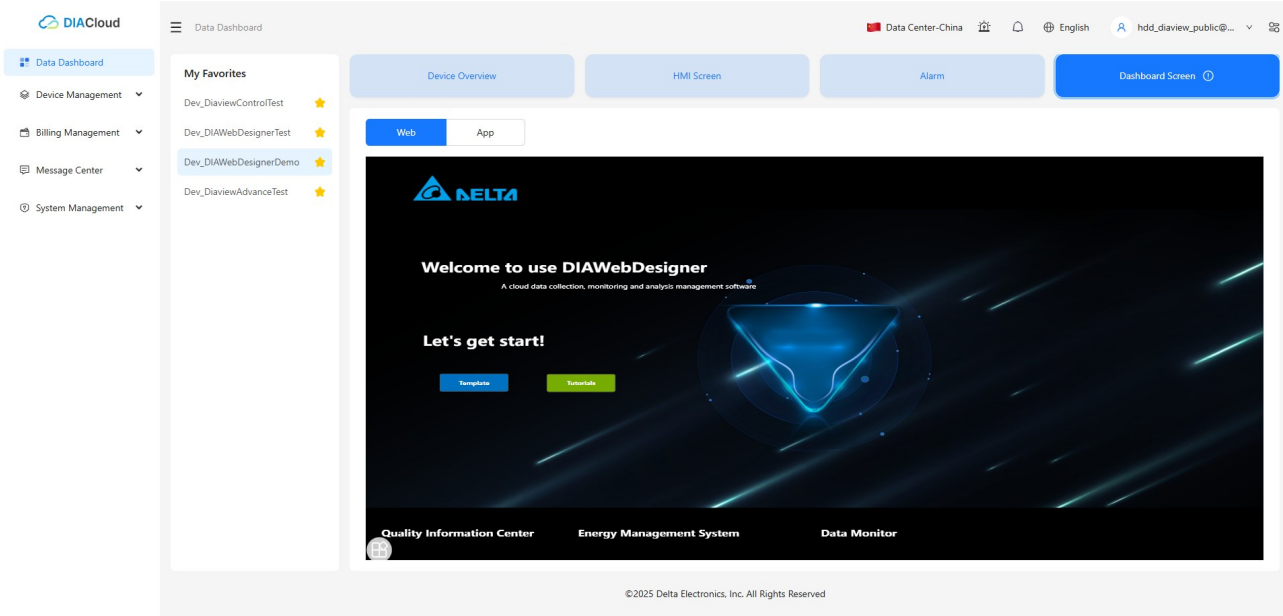
1.2.3.3 Alarm

The Alarms page in the Data Dashboard displays the alarm history associated with the currently bookmarked device. If the device has a previous alarm history, the alarm history is displayed here and in the Message Center.



1.2.3.4 Dashboard Screen

Dashboard Screen displays the HMI device configuration screen in the template bound to DIACloud.



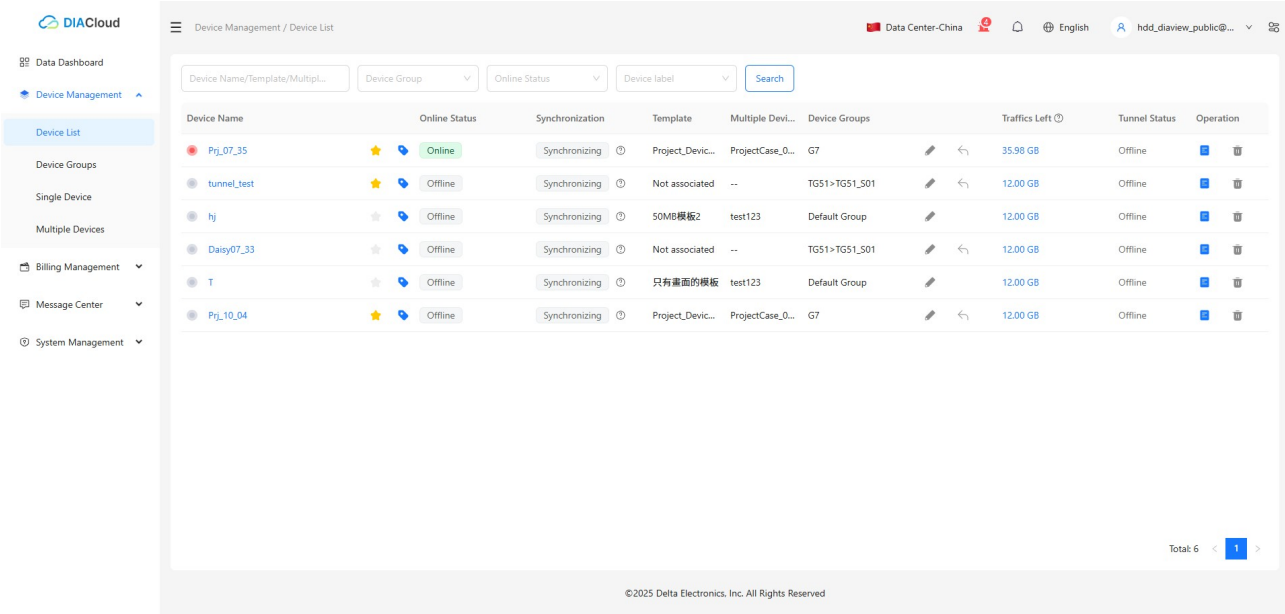
Note: The dashboard screen editing software is DIAWebDesigner. For detailed operations, please refer to the DIAWebDesigner operation manual.

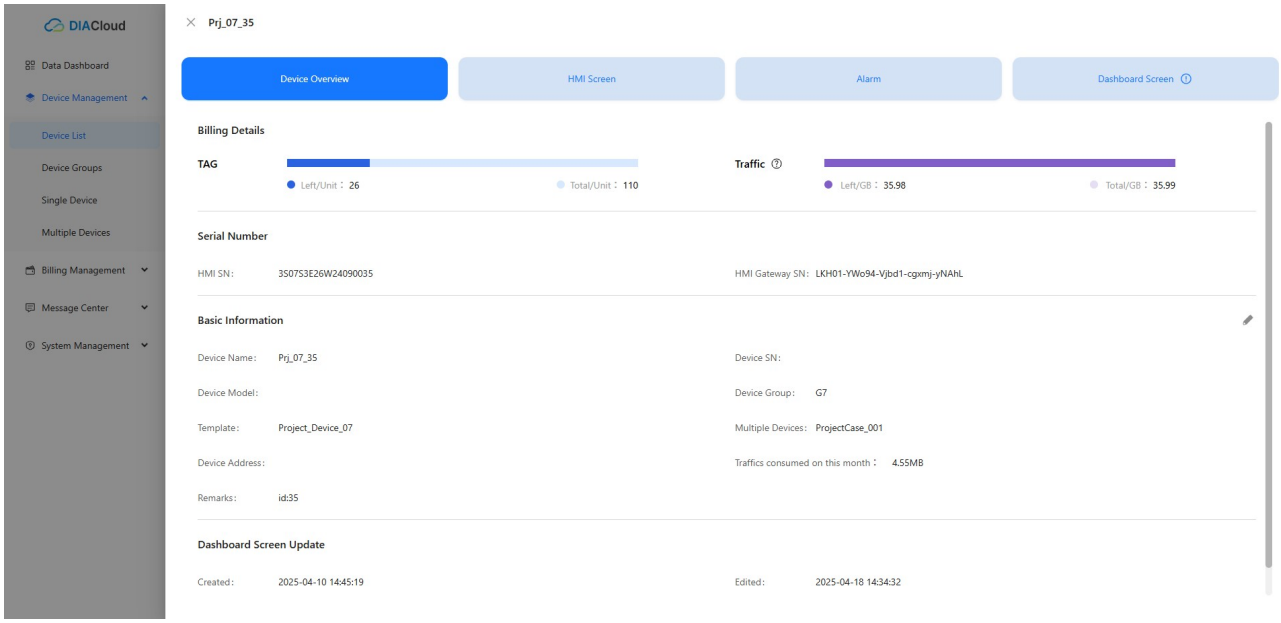
1.2.4 Device Management

There are four item in the device management: Device List, Device Groups, Single Device and Multiple Devices.

1.2.4.1 Device List

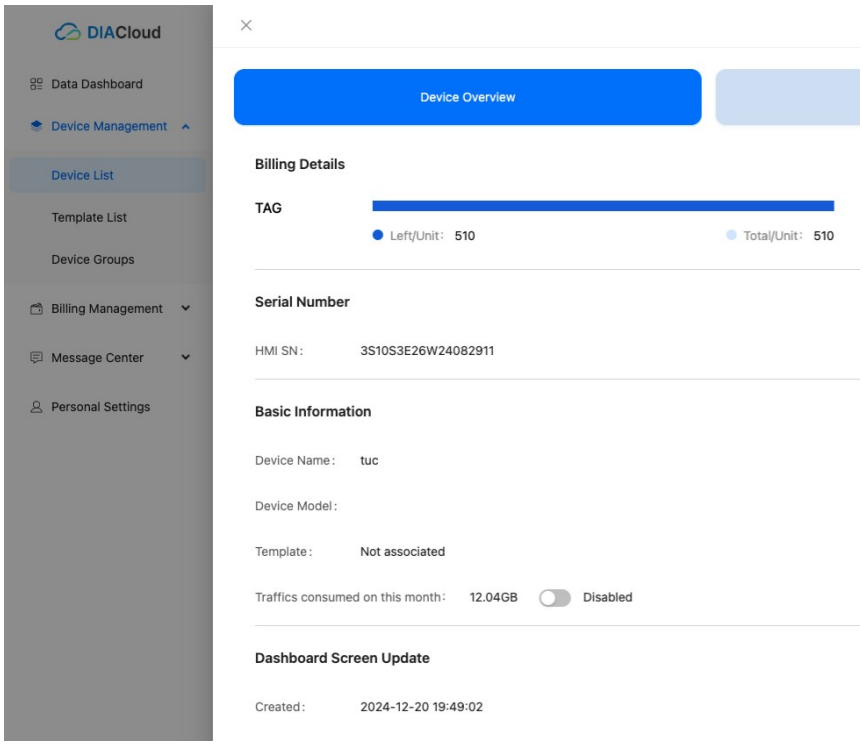
In the device list, you can find the login DIACloud account and the related device information.





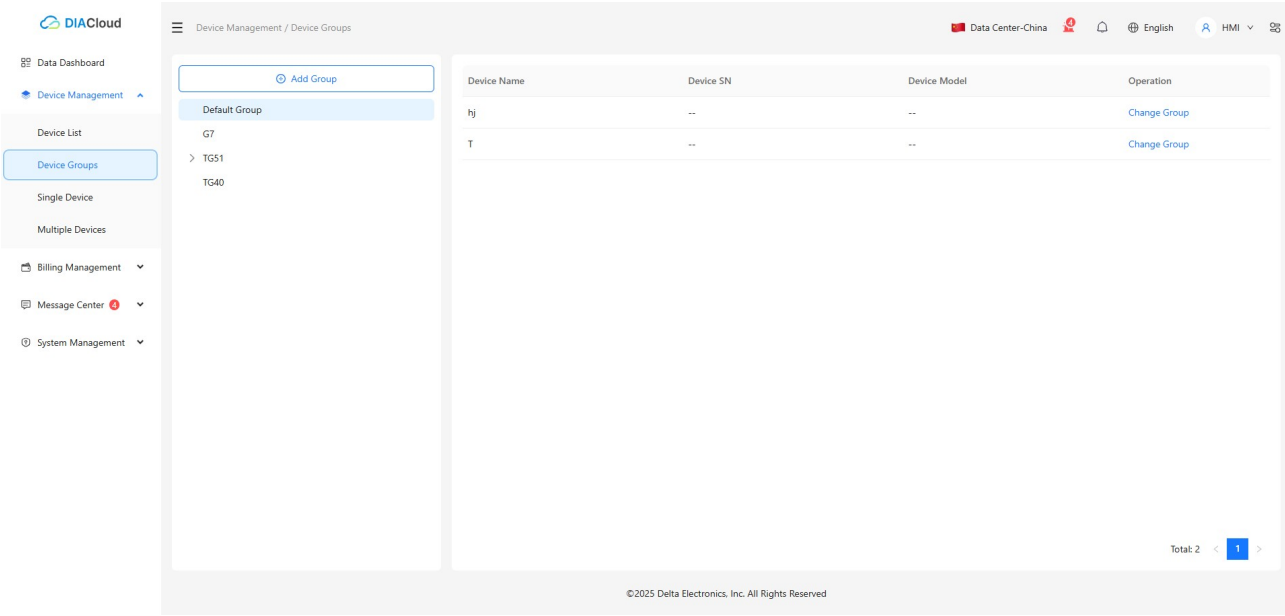
Description	Default
Device Name	
Display the name given to the device by the user. : Device is online. : Device is offline. : Device abnormality with alarm record status : Add device to **My favorites, it** will be displayed on the data dashboard. : Not included in the list of **My favorites**. : Add device label. If the device does not have a device label, user can define their own device label which can be used when searching for devices.	Not included Offline
HMI Online Status	
● Online: The device has successfully connected to the Internet. ● Offline The device is not connected to the Internet.	N/A
HMI Synchronization	
Displays whether the device TAG, screen, firmware version, and project are synchronized with the bound DIACloud template. ● Pending synchronization: The device data has not yet been synchronized to the corresponding DIACloud template. ● Synchronization: The device data has been synchronized to the corresponding DIACloud template.	N/A
Template	

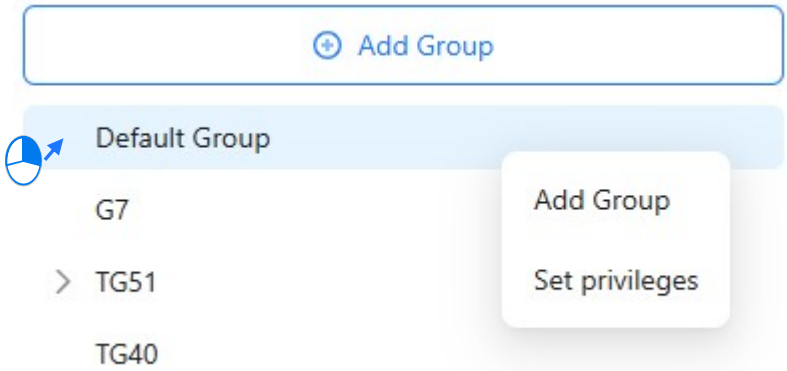
Description	Default
Shows the bound DIACloud template name.	N/A
Multiple Devices	
Displays the name of multiple devices to which the device is associated.	
Device Groups	
Shows the group name bound to the device. ● : Modify device groups. ● : Change to the default grouping. Notification The device only allows one group to join.	N/A
Remaining traffic data	
Displays the total remaining unused traffic of the device, with support for clicking to view details of the device's traffic consumption.	N/A
Tunnel Status	
Display the device Tunnel status. ● Offline: The device Tunnel is not enabled. ● Online: The device Tunnel is enabled.	N/A
Operation	
● : View the device data dashboard, including Device Overview, HMI Screen, Alarm and Dashboard Screen. ● : Delete devices.	N/A

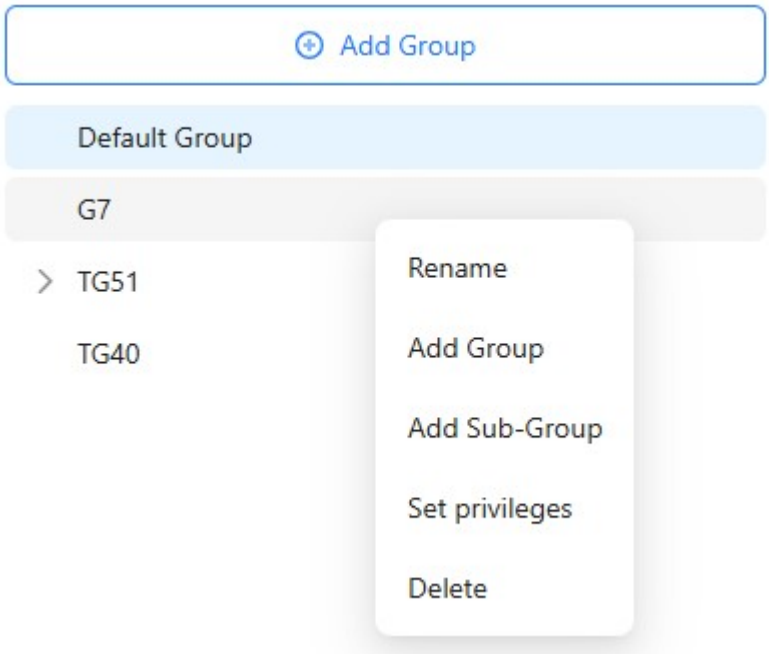
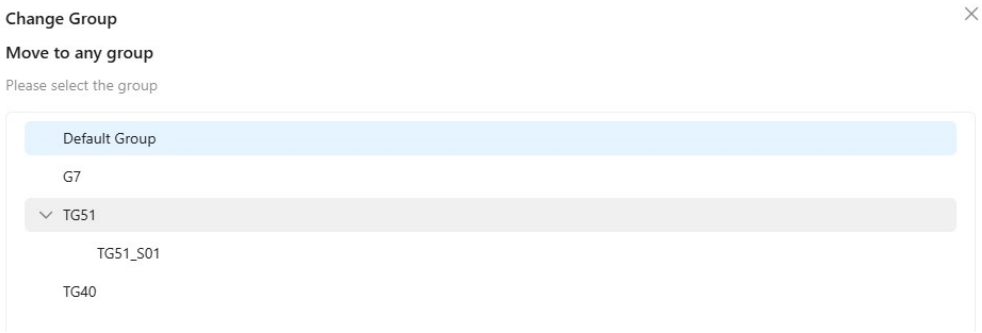
Description	Default
Notification After the device is deleted, the data generated by the device cannot be recovered. Please delete it with caution. When the monthly traffic consumption reaches 12GB, the DIACloud platform will remind the user and ask whether to turn it off. When the current month's traffic has been turned off, the current month's traffic can be turned back on in the device information. 	
Search	
Enter the corresponding device information to quickly find the correct device.	N/A

1.2.4.2 Device Groups

Displays the groups created by the user and their grouping devices. The left side is a list of all groups, and the right side is the group's devices.

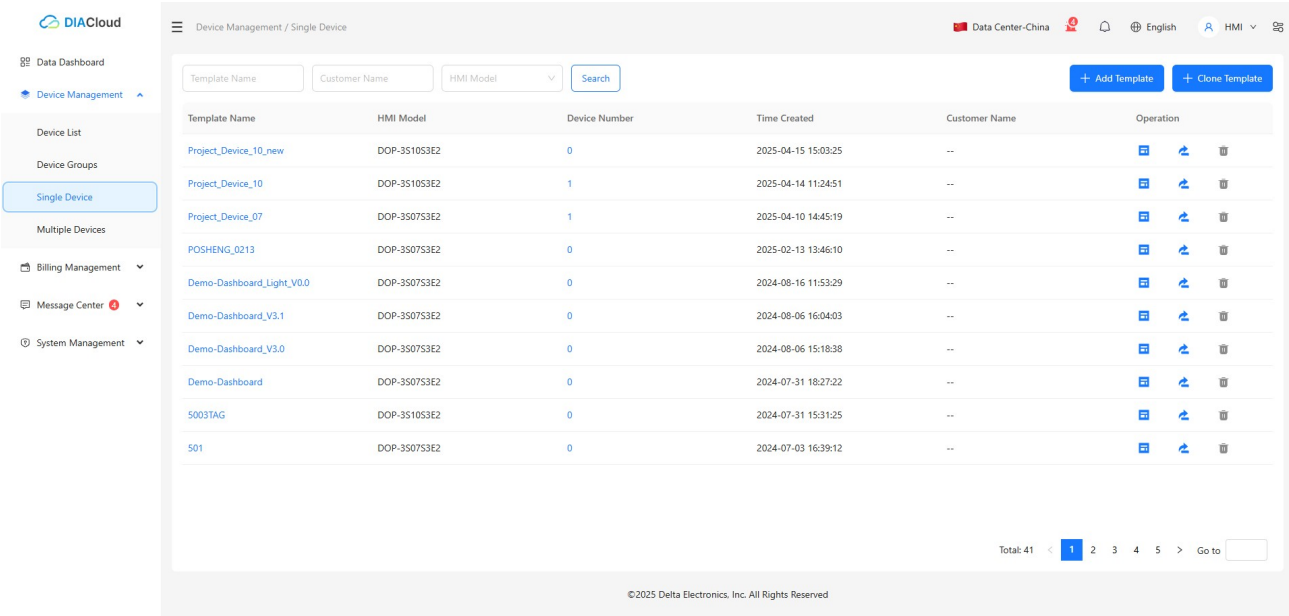


Description	Default
Device Group	
Display all device group names of DIACloud accounts. Right-click on the default group to add the group or set privileges.  Right-click on the group name to support adding, deleting, and modifying the group or set privileges. The group level is up to eight levels, that is, each group has up to seven sub-group levels.	Default grouping

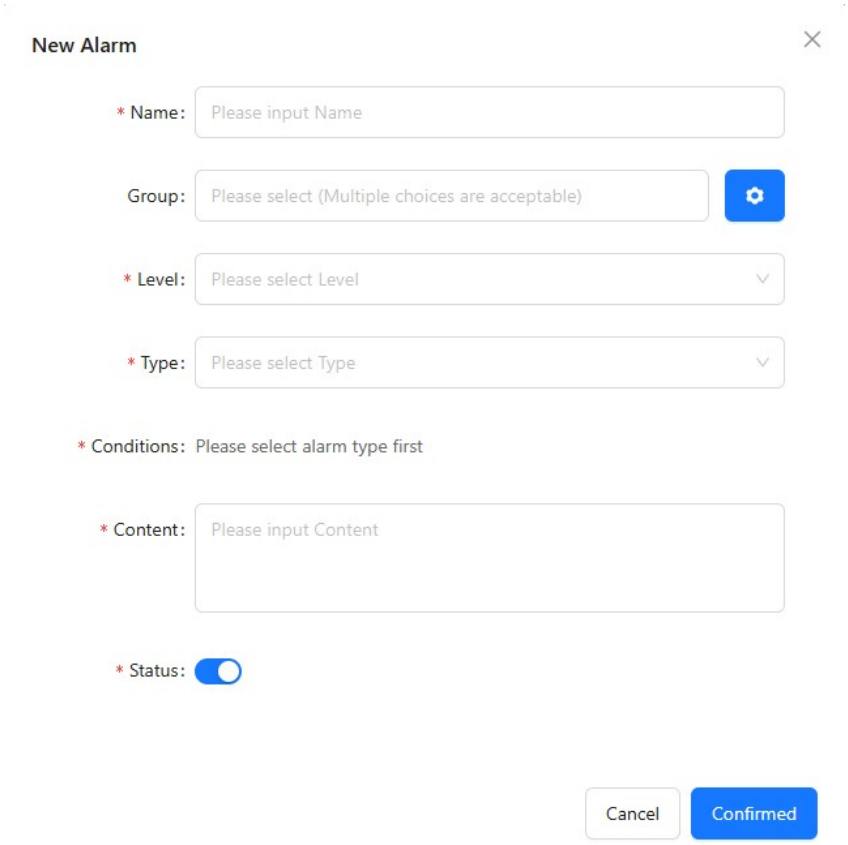
Description	Default
	
Device Name	
Display the name of the device bound to DIACloud.	N/A
Device SN	
Display the device serial number of the device.	N/A
Device Model	
Display the product model of the device.	N/A
Operation	
Move device to group: Modify the group of devices. 	N/A

1.2.4.3 Single Device

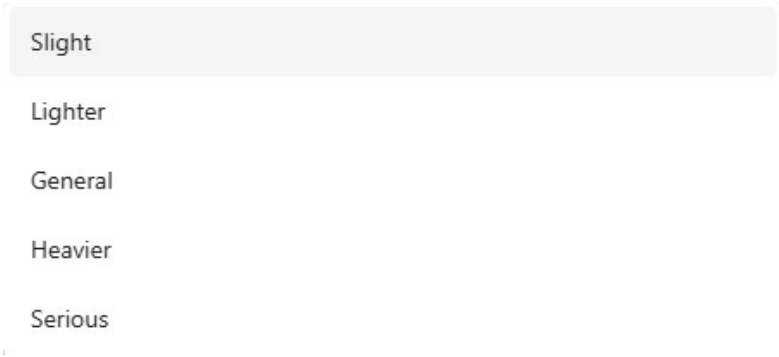
Template list displays all templates created by the user's DIACloud account. Users can use the template function to upload device-related data, including TAGs, screens, projects, etc., to the corresponding template, and the HMI then synchronizes the cloud template to complete the configuration or update of related information.

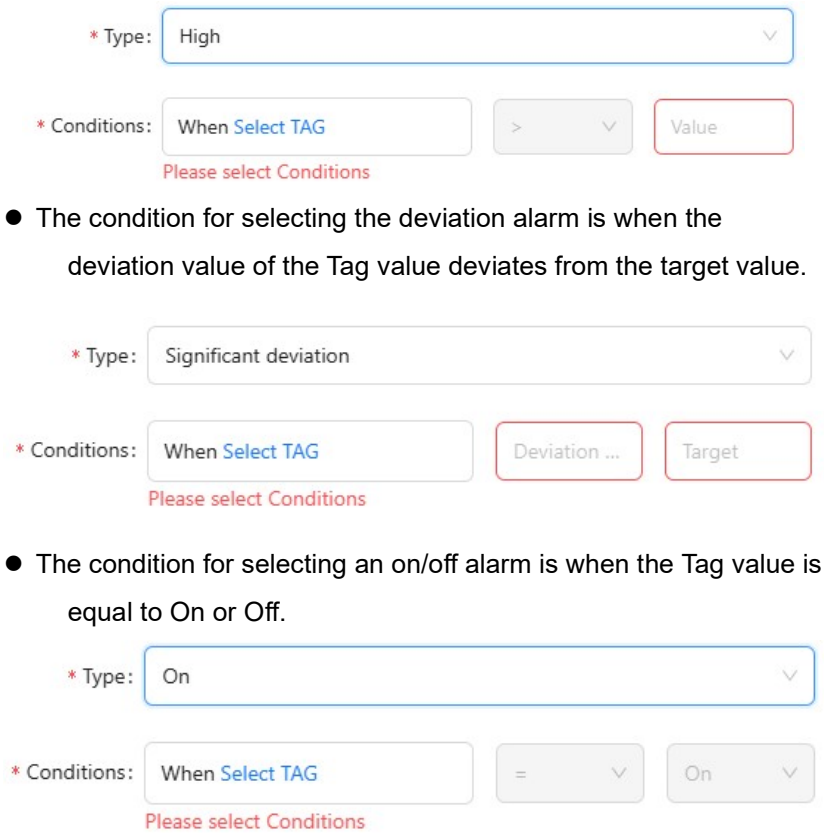


Description	Default
Template Name	
Displays the name of this template.	N/A
HMI Model	
Displays the device model which this template applies. Notification When a device is added to a template, the device model must be consistent with the model before it can be added.	N/A
Device Number	
Displays the number of devices bound to this template. Click the quantity to jump to the device list and automatically filter out the template.	0
Time Created	
Displays the time that the template is created	N/A
Customer Name	
Display the customer’s name set by this template	N/A

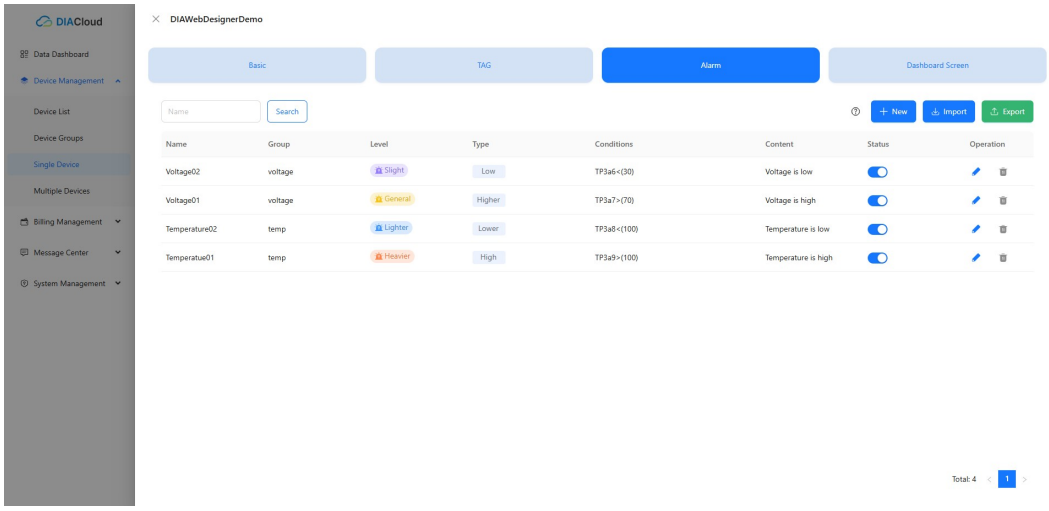
Description	Default
Operations	
● Dashboard Screen Design: Display the dasgboard screen of the template. ➢ Basic: Display basic configuration information. ➢ TAG: Display the TAG uploaded by DIAScreen for this template. ➢ Alarm: Set up alarm rules with a limit of 300 alarm rules. New: Create alarm rule.  	N/A

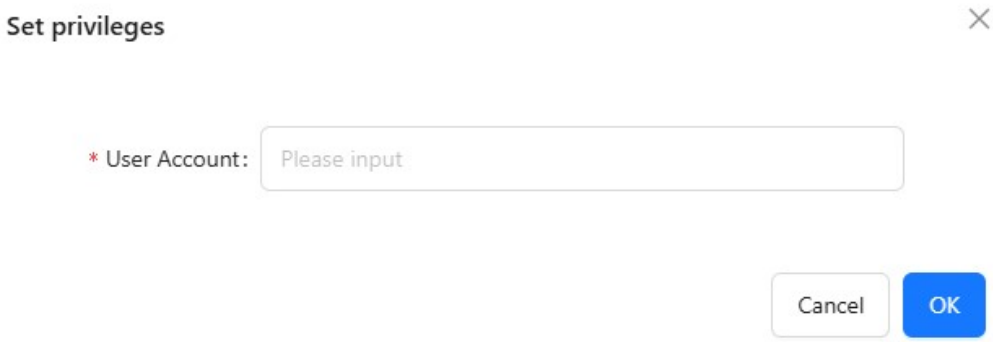
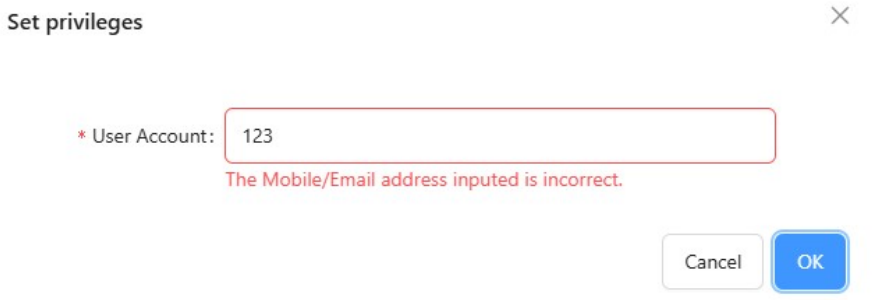
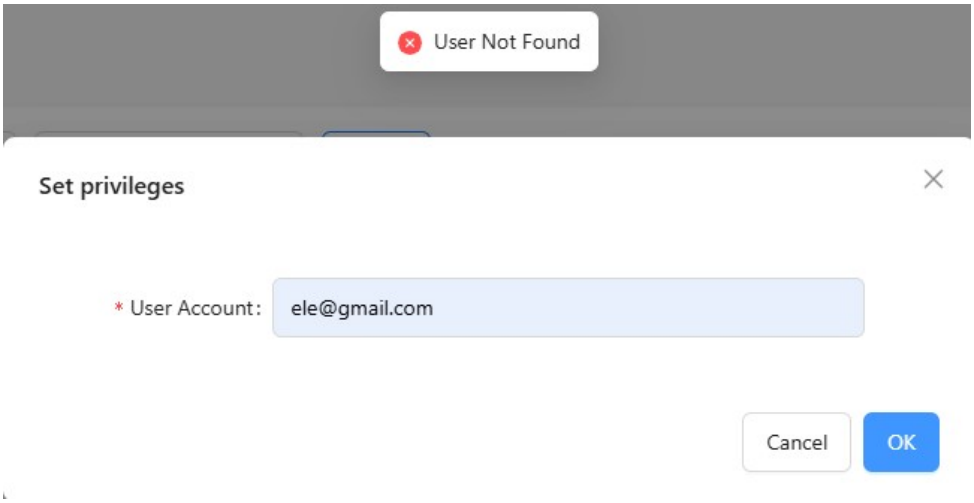
Alarm	Description
Name	Create an alarm name.
Group	● Before setting the alarm group, users need to create group name. Please click this button to set. ● Click + to create the group name of alarm, so users can put the similar alarms into the same group.

Description		Default
	 ● After adding the alarm rule, users can click to rename the group name or click icon to delete. ● Supports keyword searching for group names.	
Level	Alarm levels are categorized into the following five levels, which can be selected by the user according to the alarm phenomenon. 	
Type	There are three types of alarms, each with separate conditions. ● Limit Value Alarm ■ Higher, High, Low, Lower ● Deviation Alarm ■ Significant deviation ■ Minor deviation ● ON/OFF Alarm ■ On ■ Off	
Conditions	The contents of the alarm conditions vary according to the selected model. ● The condition for selecting a limit value alarm is when the Tag value is greater or less than the alarm value.	

Description		Default
	 ● The condition for selecting the deviation alarm is when the deviation value of the Tag value deviates from the target value. ● The condition for selecting an on/off alarm is when the Tag value is equal to On or Off.	
Content	Enter the description you want to present when the alarm appears.	
Status	This alarm rule applies when it is turned on; it does not apply when it is turned off.	

- Import: After exporting, you can modify the rules and import them again.
- Export: Export the alarm rules set by the current platform to an Excel sheet (.xlsx).

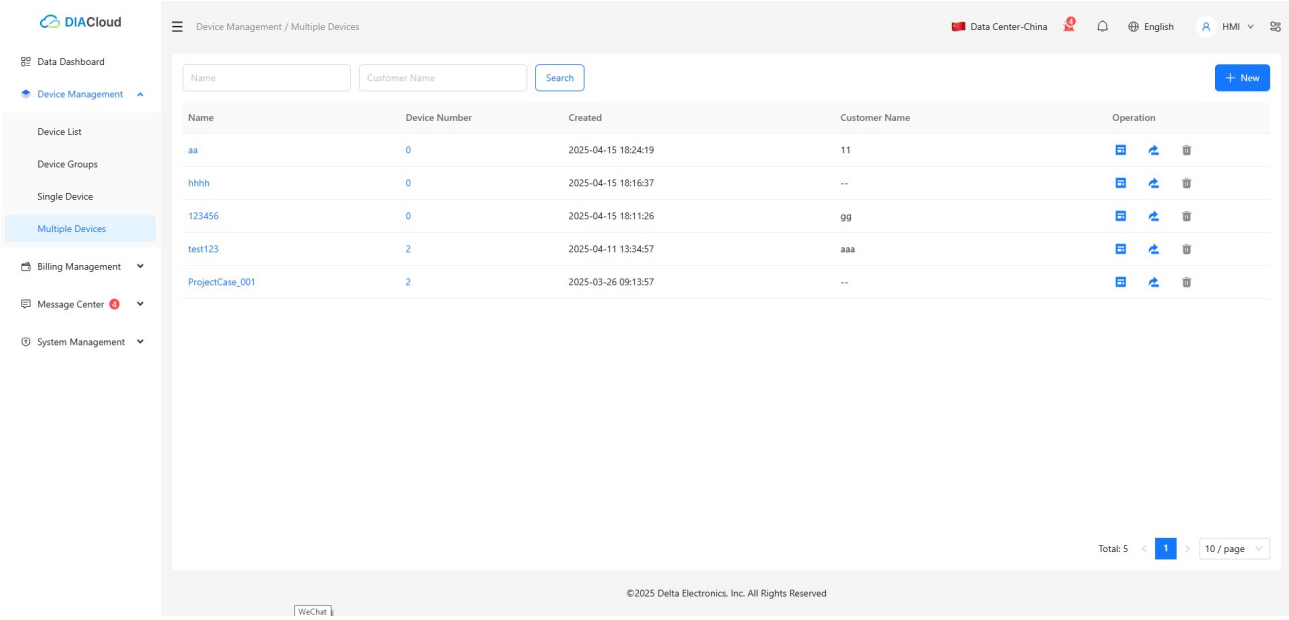


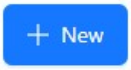
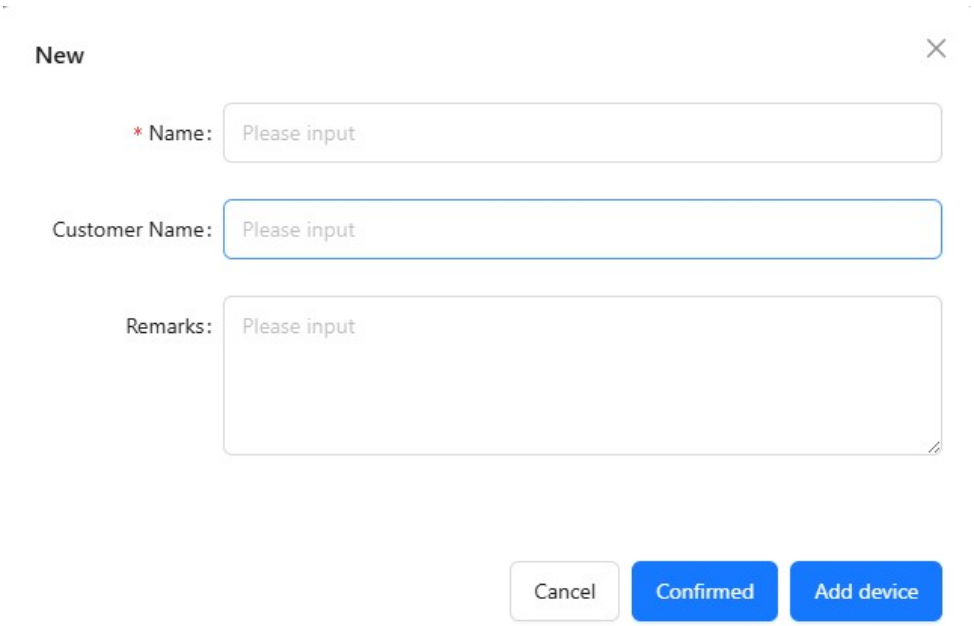
Description	Default
➢ Dashboard screen: Please use DIAWebDesigner software to edit. ● View screen: Present the dashboard screen as a new window. ● Editing screen: Open DIAWebDesigner to edit the dashboard screen of this template. ● Set privileges: Assign all devices under the group to the user. If the user account is entered correctly, the Assign Success message is displayed. If the user account is entered incorrectly, a corresponding error message is displayed.    	

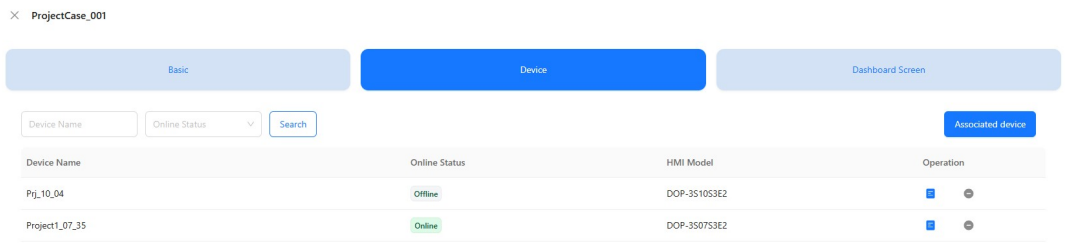
Description	Default
● : Delete template Notification 1. Please refer to the IIoT operation manual for DIAScreen. 2. For DIAWebDesigner, please refer to the DIAWebDesigner operation manual. 3. It also supports adding new templates by using DIAScreen.	
+ Add Template	
Add a new template to the DIACloud account. ● Template name: Enter the template name. ● HMI model: Select the device model for which this template is applicable. ● Customer name: Enter the customer's name for this template. ● Note: Enter the content to be remarked Notification When a device is added to a template, the device model must be consistent with the model before it can be added.	N/A
+ Clone Template	
Select a template from the existing template list and copy all the data of the template. ● Clone template: Select a template from a list of existing templates. ● Template name: The name of this template in DIACloud. ● HMI model: Not editable, same model as the selected clone template. ● Customer name: The customer's name corresponding to this template. ● Note: Enter the content to be remarked	N/A
Search	
Enter the module name or HMI model to quickly find the corresponding module.	N/A

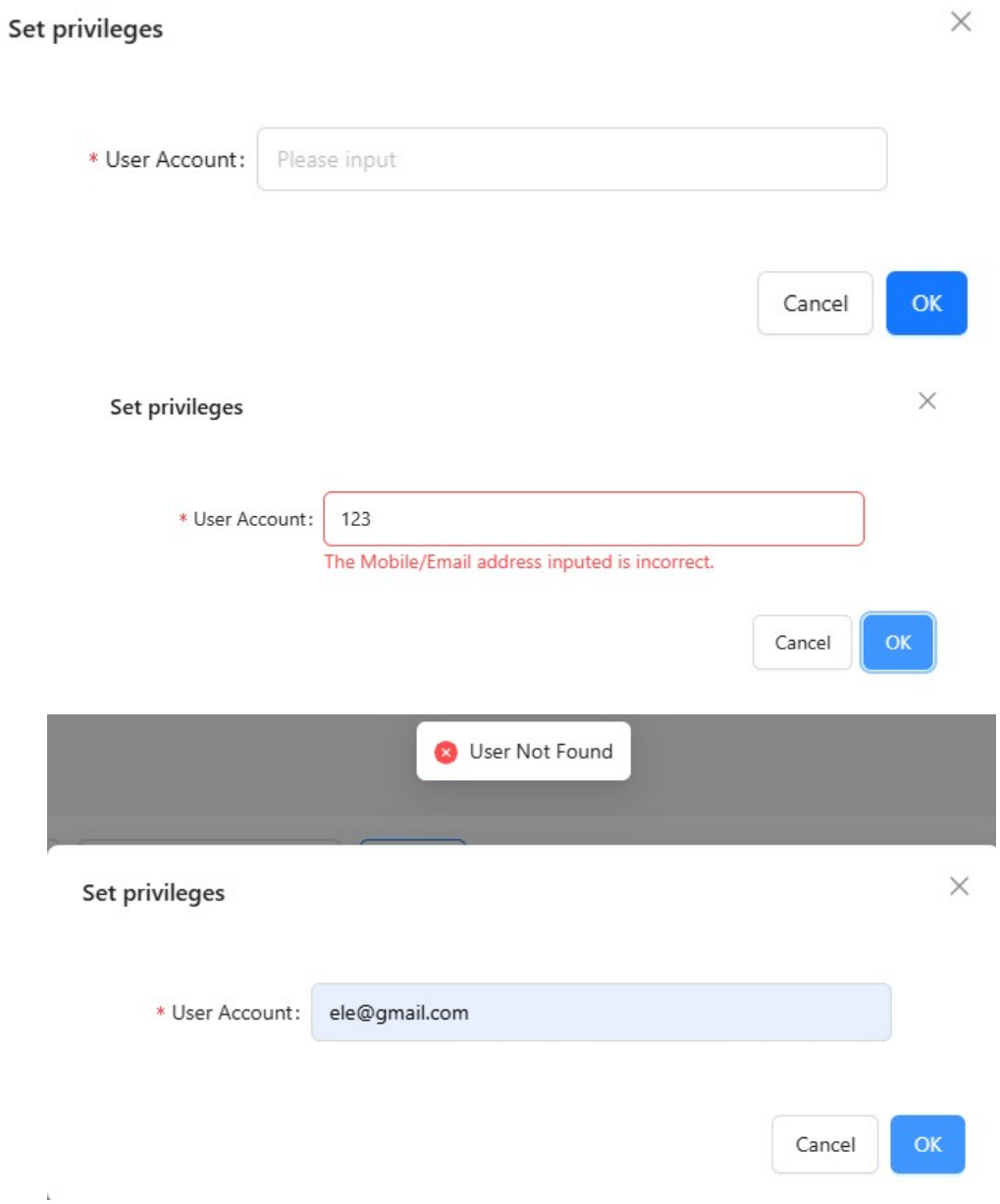
1.2.4.4 Multiple Devices

Users can create new Multiple devices via the New button. Multiple devices can be associated to the same project and then referenced by TAG through DIAWebDeisger.



Description	Default
Name	
Display the name of multiple devices. Click New  to create multiple devices name.  After creating a name, you can click OK to add the device later; or you can add a new device and then click Add Device to jump to the screen of the associated device.	N/A

Description	Default
 Clicking Associate Device will display all the devices under this account that have been associated with the template, allowing the user to select the device to be associated. **Note: Devices that have already been associated with a project cannot be associated with another project.**	
Device Number	
Displays the number of devices in the Multiple devices. Tap the quantity to jump to the device information associated with the multiple devices item.	0
Created	
Display the created time.	N/A
Customer Name	
Display the customer's name.	N/A
Operation	
● Dashboard Screen Design： Display the dashboard screen。 ➢ Basic: Display basic and dashboard screen information. ➢ Device: Display the device information of multiple devices. ⇨ Click Associated device, displays all devices under this account that have an association template, allowing the user to select a device to associate. ⇨ Click View TAG to view the tags upload from DIAScreen. ⇨ Click Remove to remove the associated device. ➢ Dashboard Screen: View the dashboard screen of multiple devices from Web and App side. 	N/A

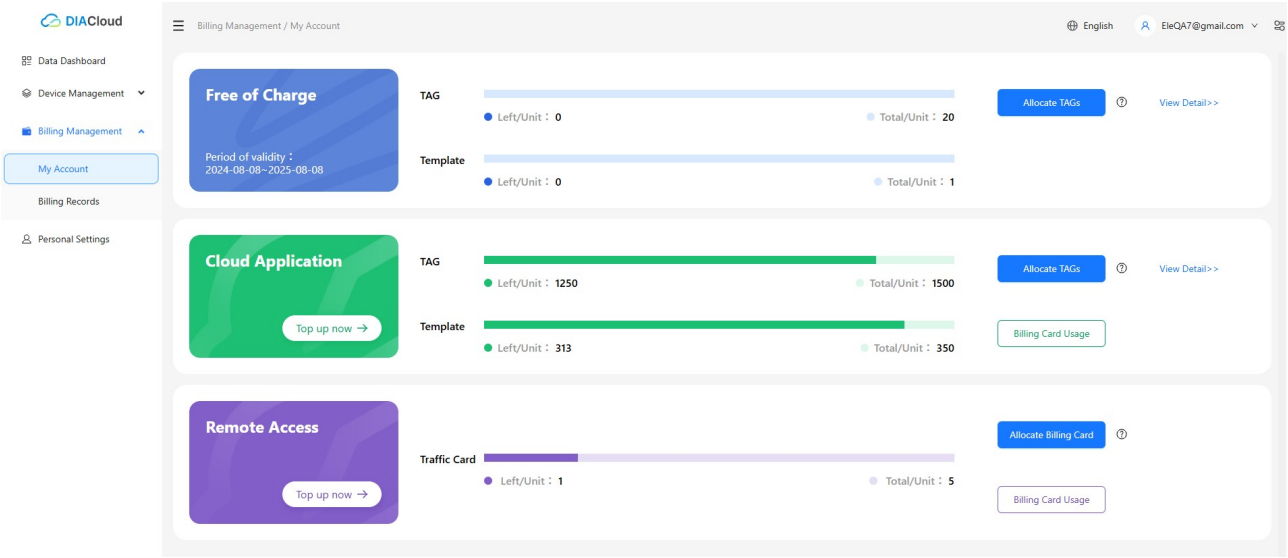
Description	Default
● Set privileges: Assign all devices under the group to the user. If the user account is entered correctly, the Assign Success message is displayed. If the user account is entered incorrectly, a corresponding error message is displayed.  ● : Delete	

Description	Default
Notification 1. Please refer to the IIoT operation manual for DIAScreen. 2. For DIAWebDesigner, please refer to the DIAWebDesigner operation manual. 3. It also supports adding new templates by using DIAScreen.	
Search	
Enter the module name or HMI model to quickly find the corresponding module.	N/A

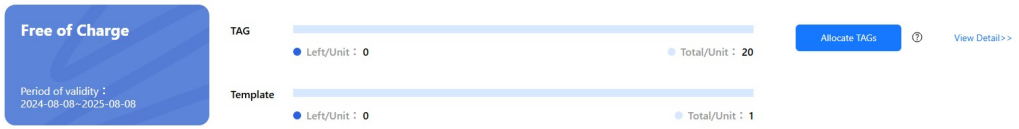
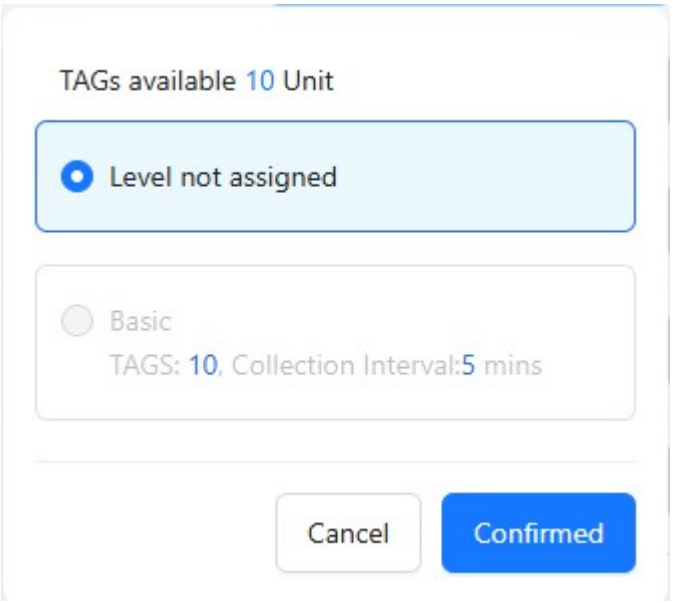
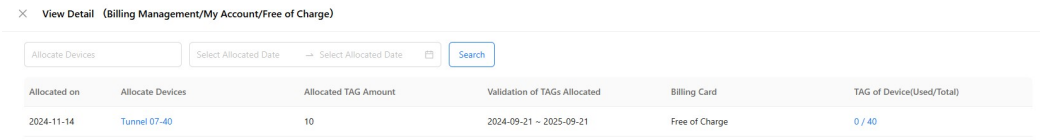
1.2.5 Billing Management

1.2.5.1 My Account

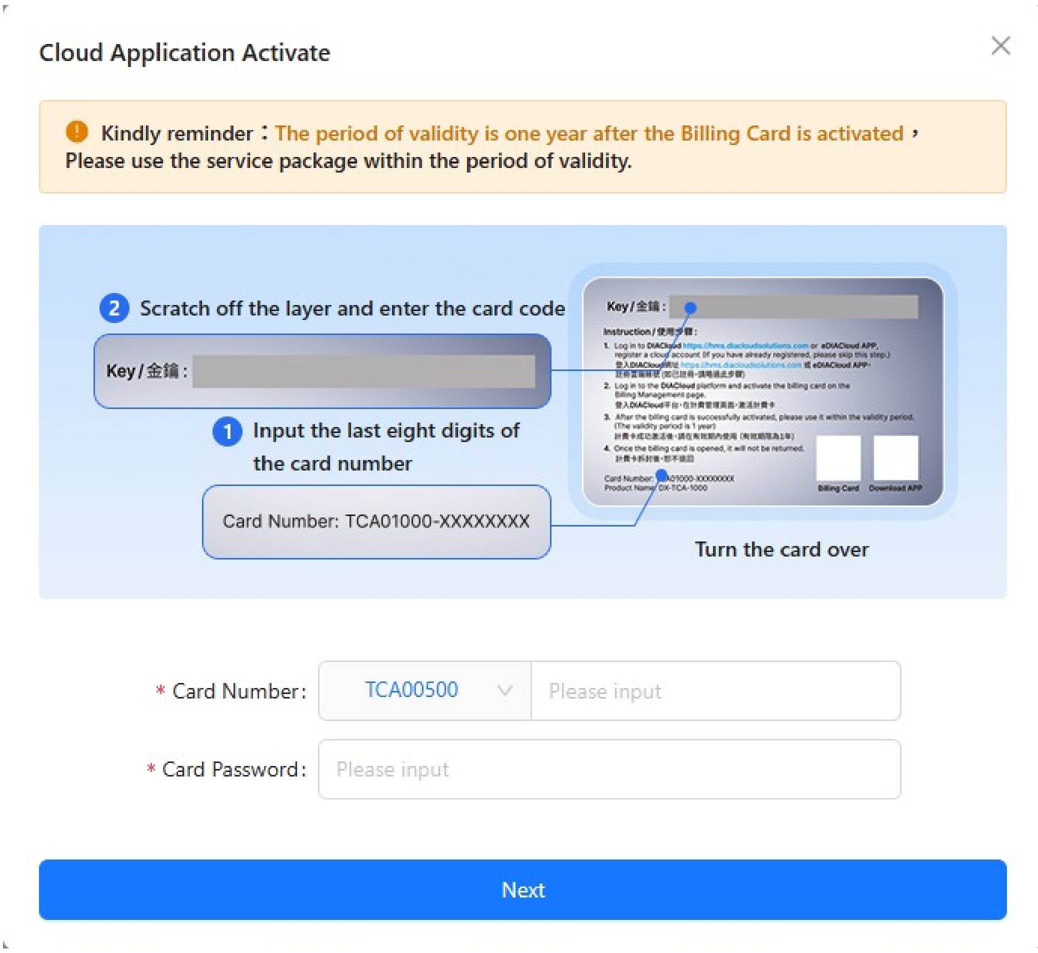
You can find the billing overview in **My Account**.



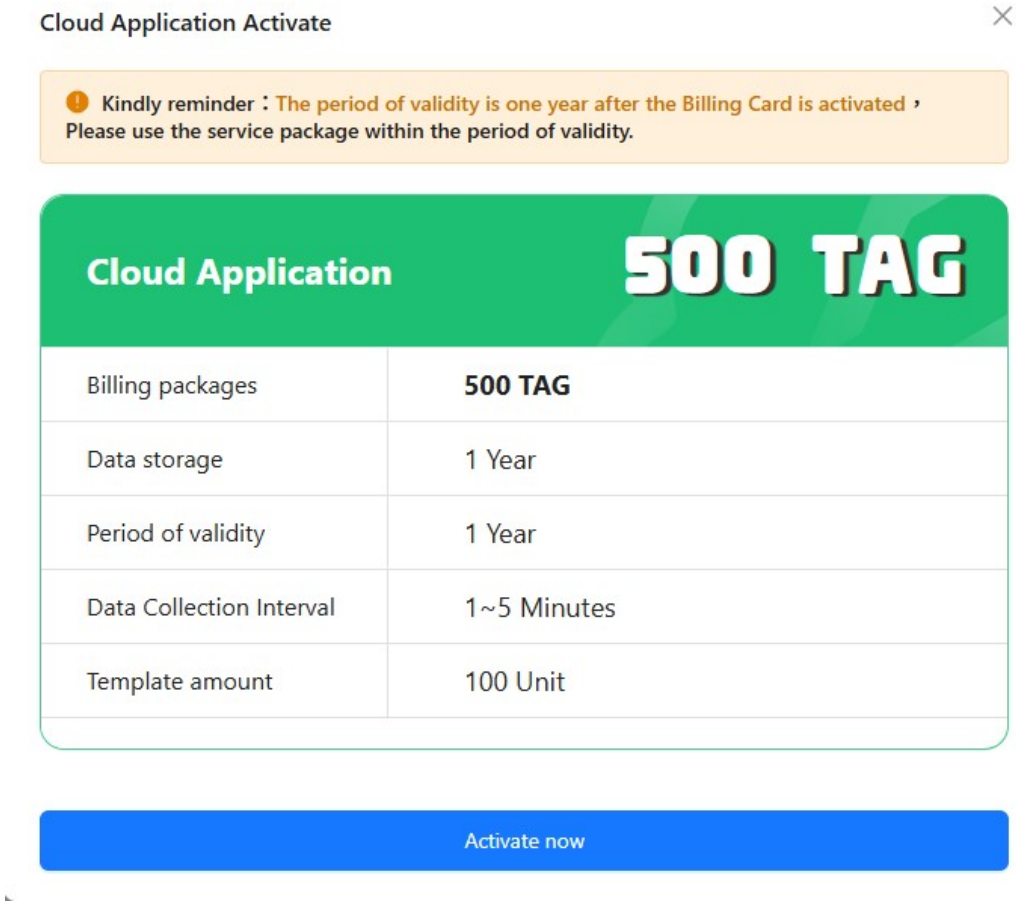
Description	Default
Free of charge	
After the account is successfully registered, the DIACloud platform will provide 20 TAGs and 1 template free of charge (valid for 1 year). The validity period starts from the day the account is successfully registered. ● TAG: The total number of unexpired Tags and the unexpired Tags used.	TAG: 20 Template: 1

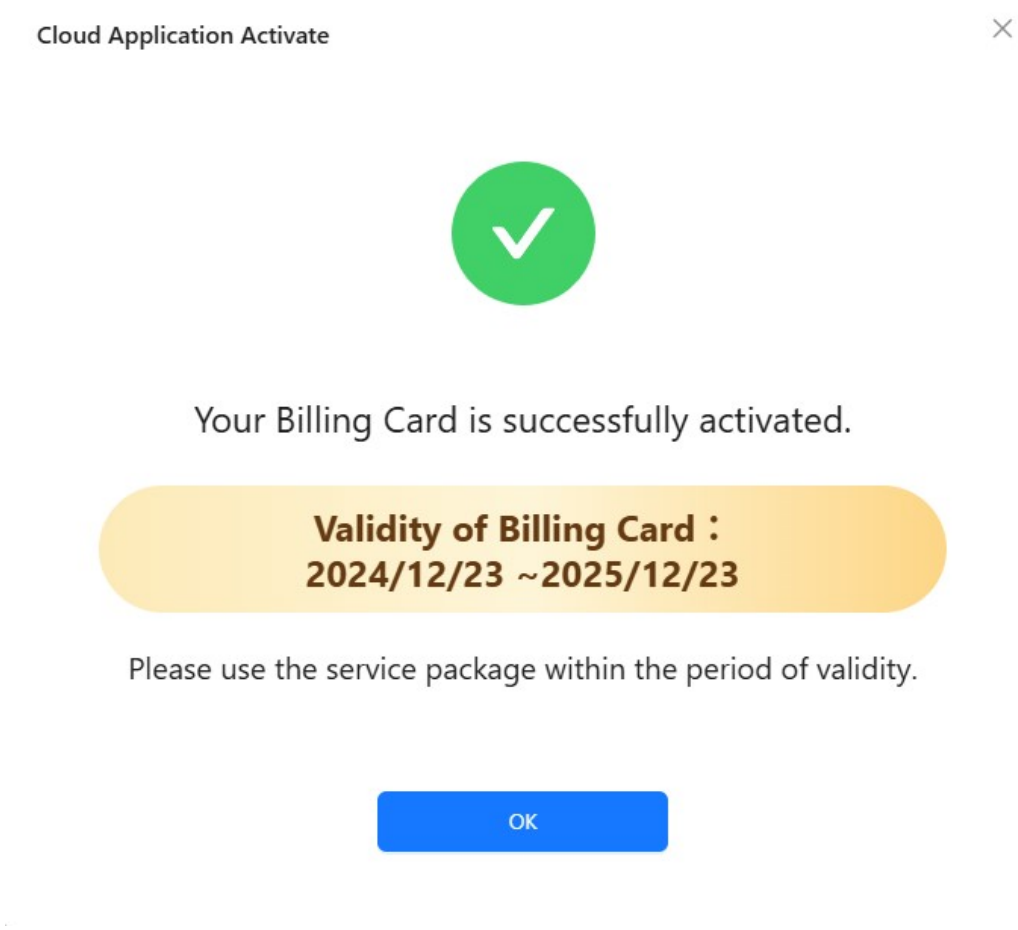
Description	Default
Notification TAG needs to be used with the device, and once assigned to the device, it is bound to the device and cannot be changed. For example, user A assigns 30 tags to device A. When user A unbinds device A and binds device A to user B, the unexpired tags among the 30 tags will follow device A to user B for continued use. ● Template: The total number of unexpired TAGs and the number of unexpired TAGs used.  ● TAG allocation: Allocate unexpired TAG levels. The free of charge TAG provided by the platform only supports Basic level selection.  ● View all: View TAG allocation records.  	
Cloud Application Billing Card	
When the free of charge TAGs and templates provided by the platform are insufficient or expired, users can recharge by purchasing a Cloud Application billing card and activate it immediately. ● Recharge immediately: Enter the correct card number and password of the billing card to	0

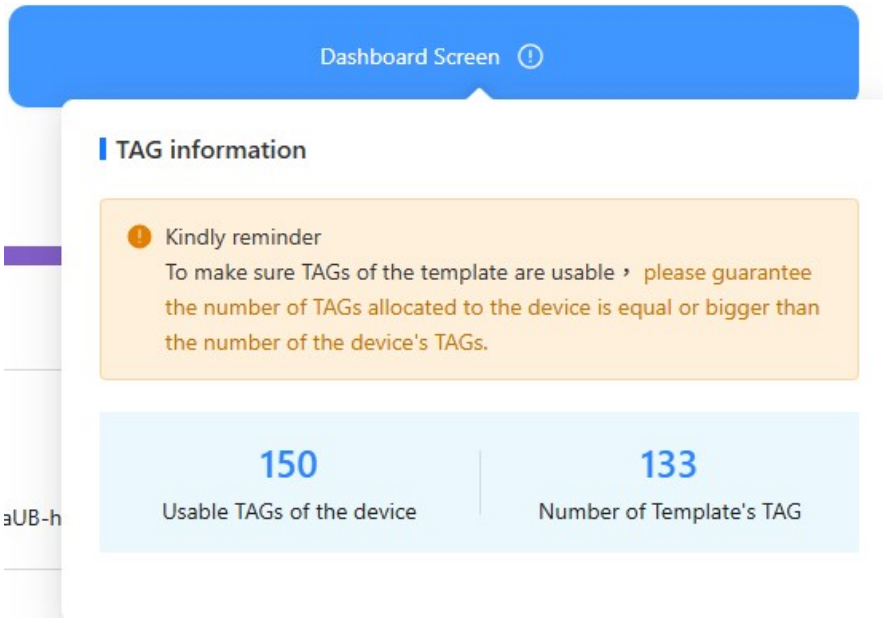
<table>
<tr><th>Description</th><th>Default</th></tr>
<tr><td>
perform recharge service. After recharging, please use it within the validity period.

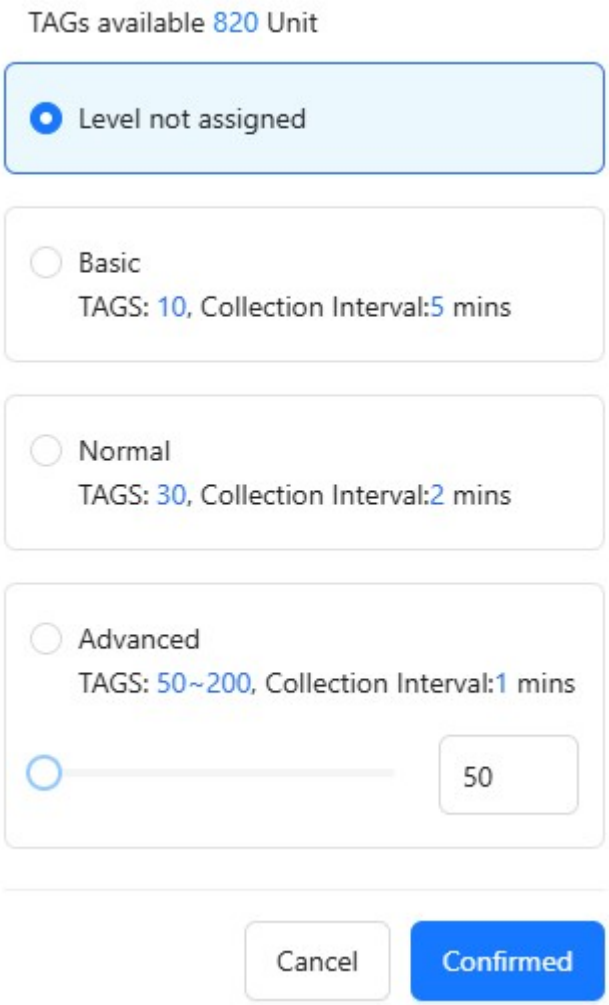
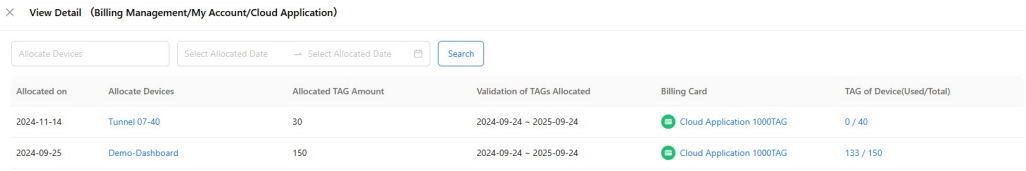


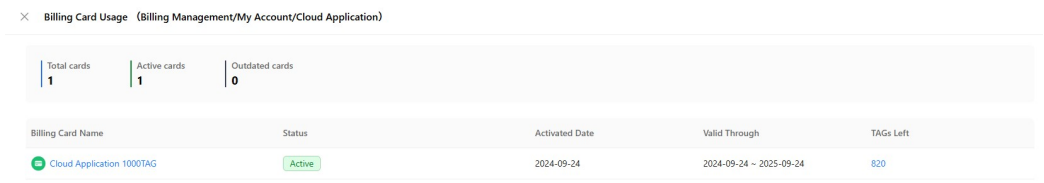
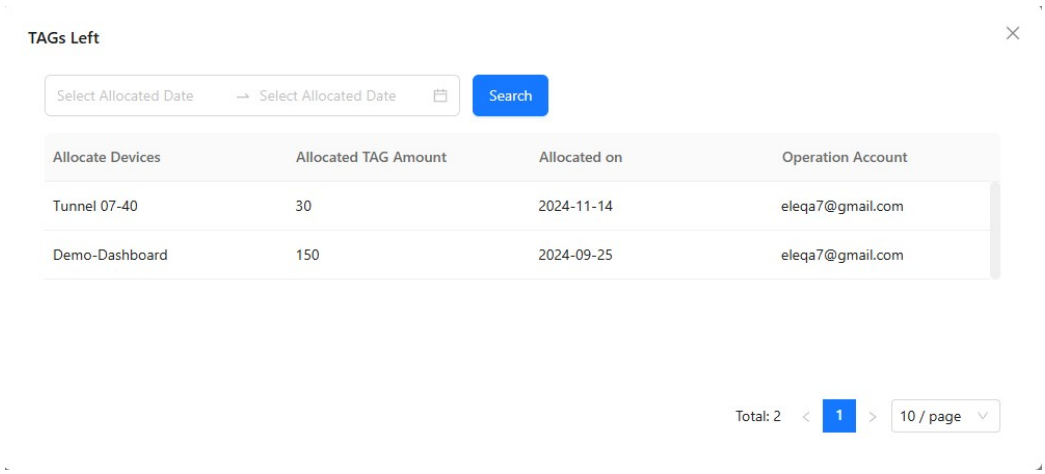
</td><td></td></tr>
</table>

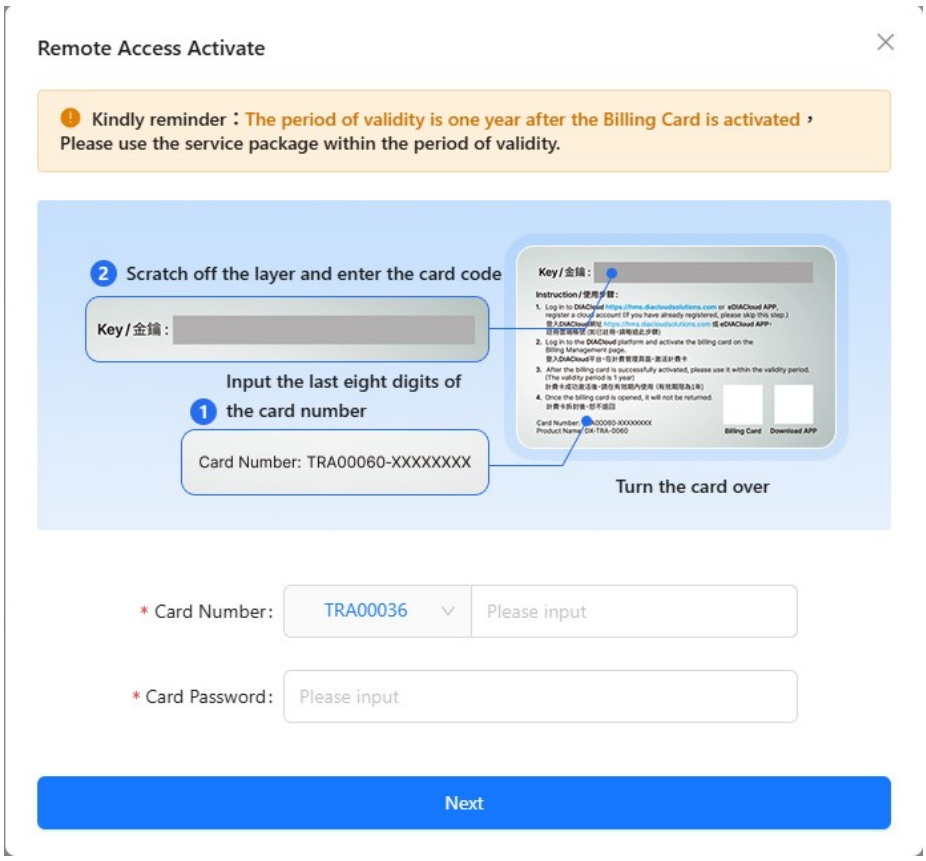
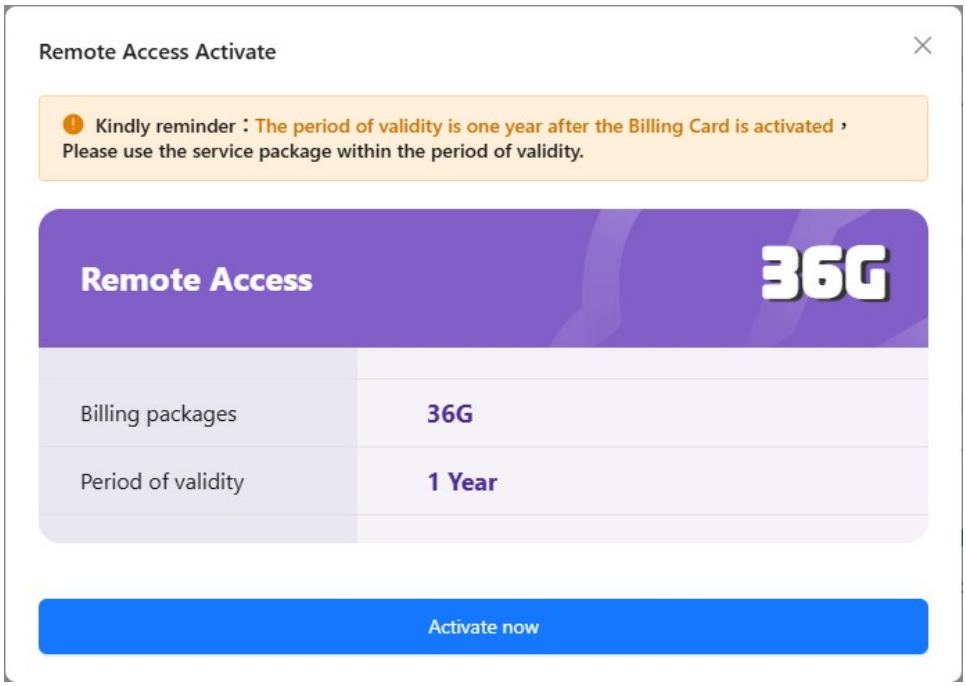
Description	Default
	

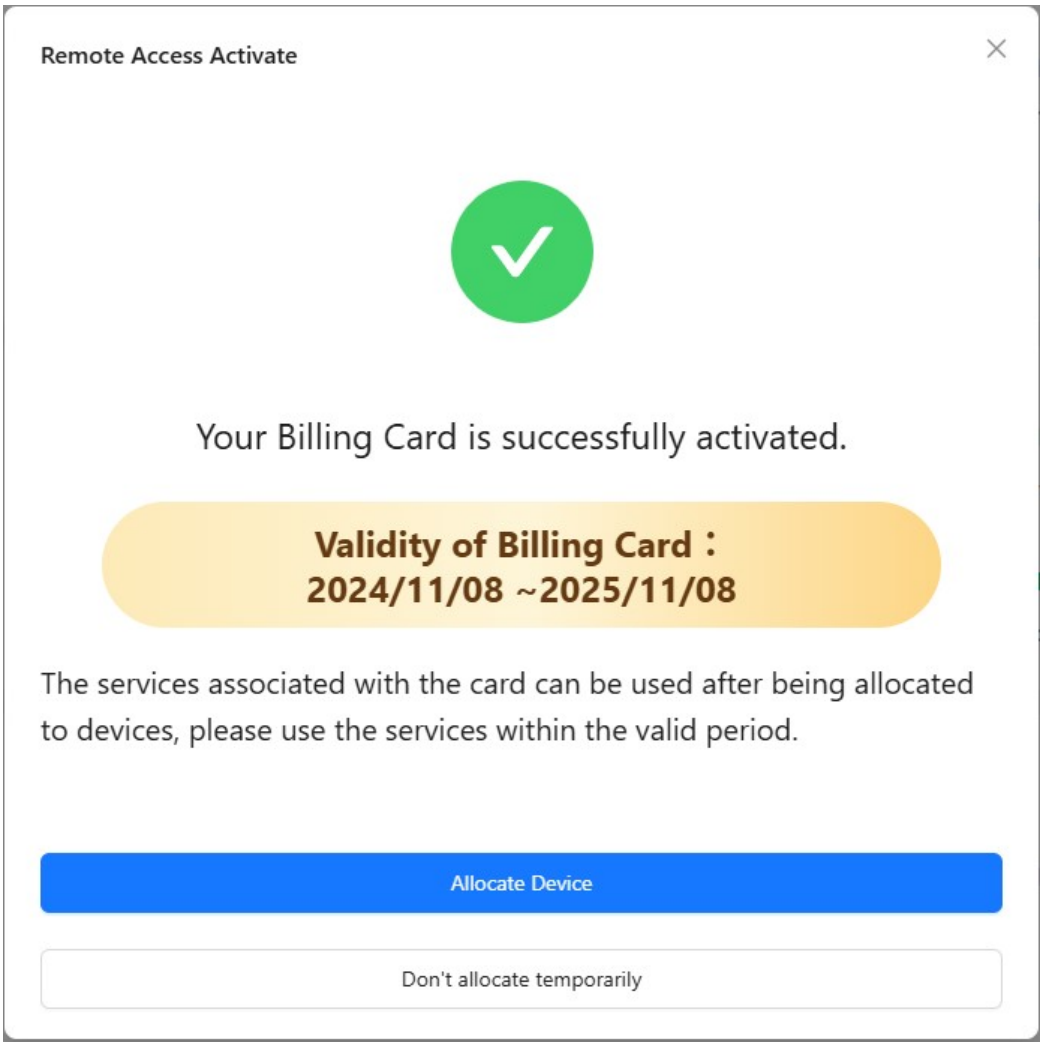
Description	Default
 Notification After the activation of the card, the card package will be effective immediately, please use the card package within the validity period. ● TAG: The total number of unexpired TAGs and the number of unexpired TAGs used.	

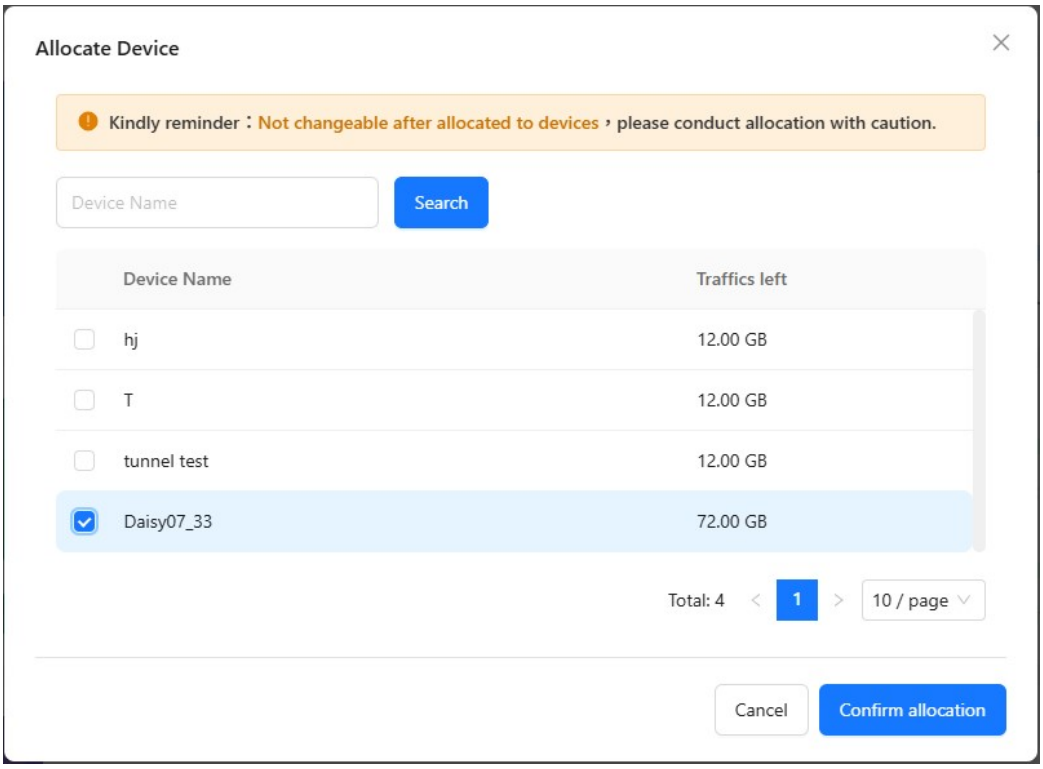
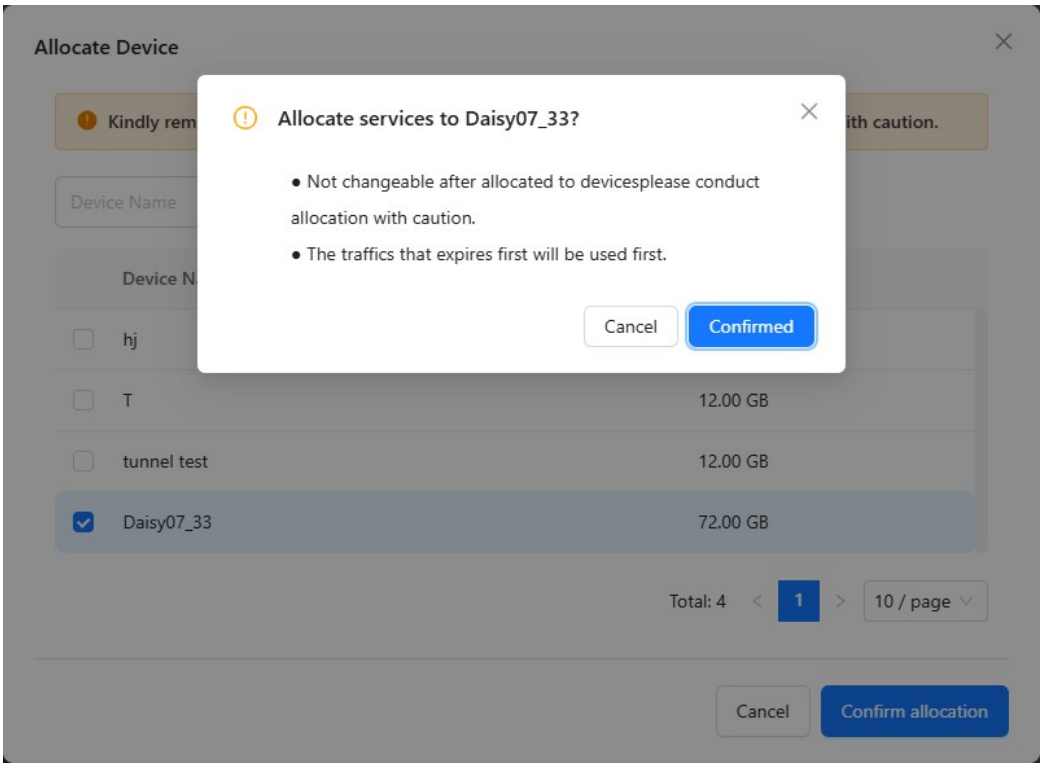
Description	Default
Notification TAG needs to be used with the device, and once assigned to the device, it is bound to the device and cannot be changed. For example, user A assigns 30 tags to device A. When user A unbinds device A and binds device A to user B, the unexpired tags among the 30 tags will follow device A to user B for continued use. How to use device TAG after TAG is assigned to device: DIAScreen uploads TAGs for the template, when the number of device TAGs is ≥ the number of TAGs of the device's bound template, all TAGs of the template will be effective for the device (effective TAGs, support functions such as collecting/downloading data); when the number of device TAGs is < the number of TAGs of the device's bound template, some of the template TAGs will not be effective for the device, for example, if the template TAGs are 12, and the device that joins the template only has 10 TAGs, then the 2 earliest TAGs uploaded from the template will not be effective for that device. For example, there are 12 template TAGs, and the device that joins the template has only 10 TAGs, then the earliest 2 TAGs uploaded by the template cannot take effect for the device.  ● Template: The total number of unexpired TAGs and the number of unexpired TAGs used. ● Allocate TAGs: Divided into three levels, Basic, Normal, Advanced. Equipment level from low to high: Basic>Normal>Advanced, only upgrades are supported. If the device level is already Normal, only the Advanced level can be selected this time, and the collection frequency of the selected Normal level TAG will also be upgraded to the Advanced level.	

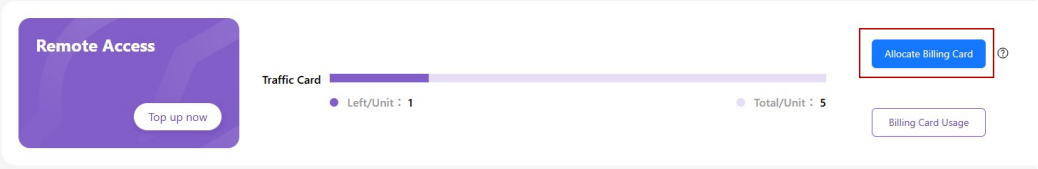
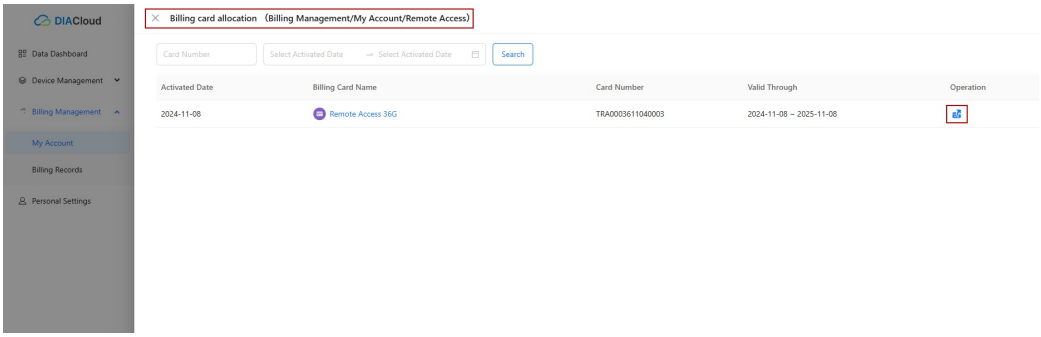
Description	Default
 ● View details: Check allocation records. ➢ Assign device: Click the device name to view device information. ➢ Assign billing card: Click on the billing card name to view billing card information. ➢ Current device TAG: View all TAG allocation records of the device.  ● Billing Card Usage Show all activated billing cards for this account. (active/deactivated cards will be shown here)	

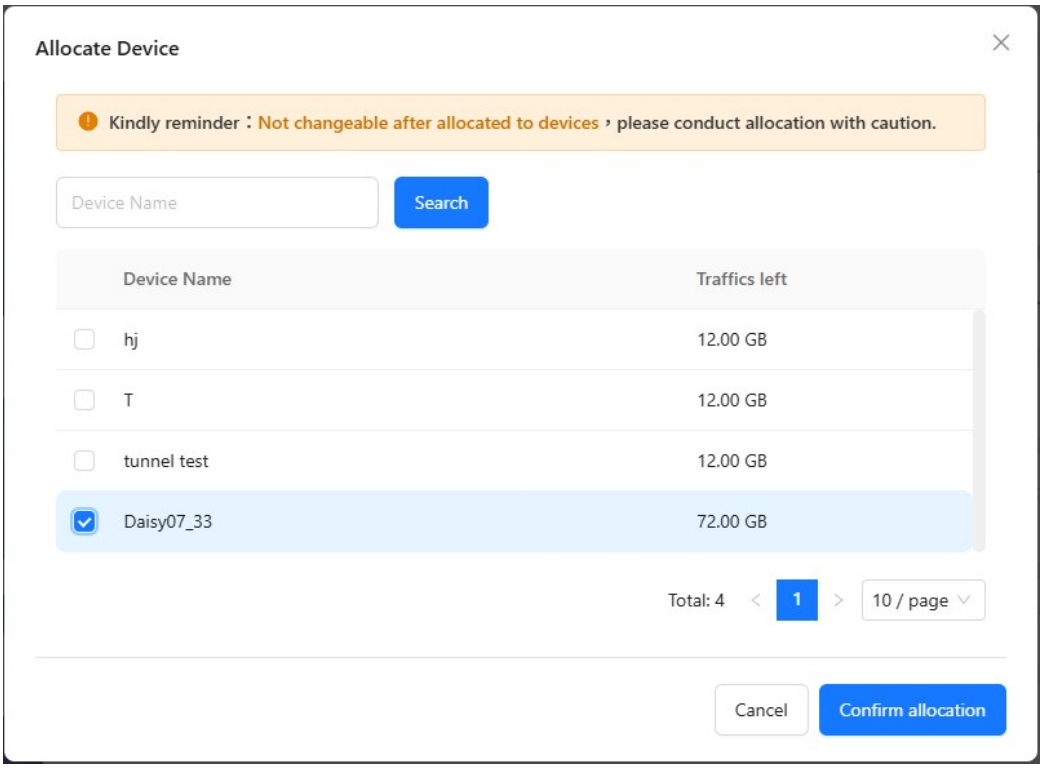
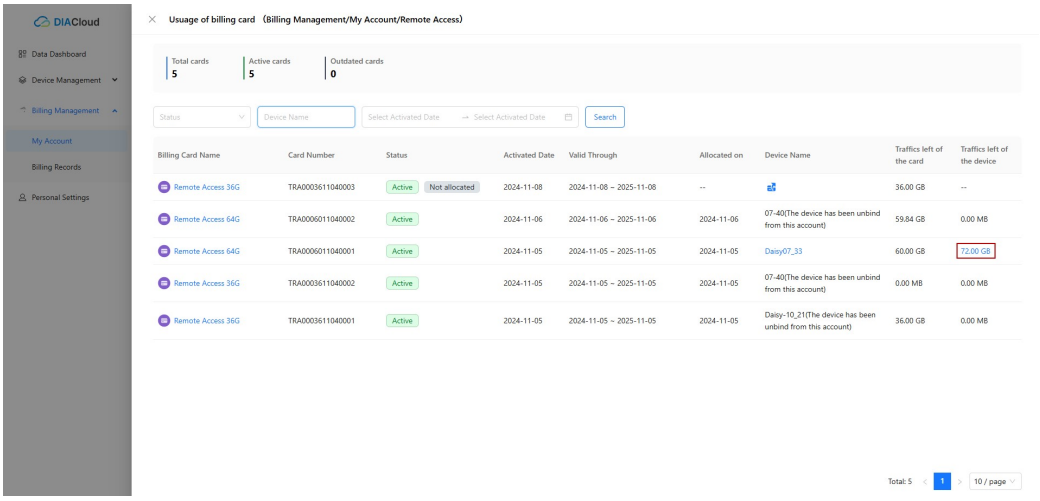
Description	Default
 Click TAG Left to view the TAG assignment records for this billing card: 	
Remote Access Billing Card	
Licenses and Dongles come with 12G of free traffic. When the free traffic is not enough or expires, users can purchase a Remote Access billing card and activate it. ● Remote Access Billing Card - Billing Card top-up:	0

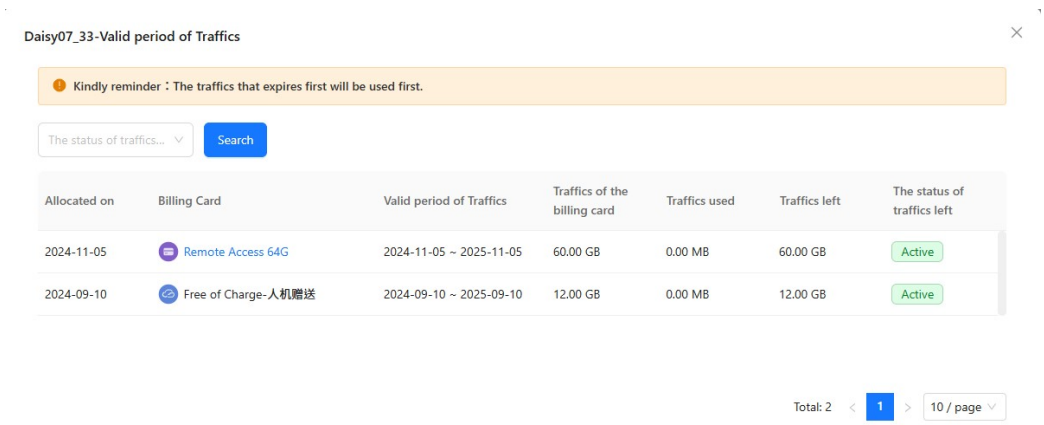
Description	Default
 	

Description	Default
	

Description	Default
  As shown in the picture above 1、Remote Access billing card activation process: Click “Top up Now” button, enter the correct	

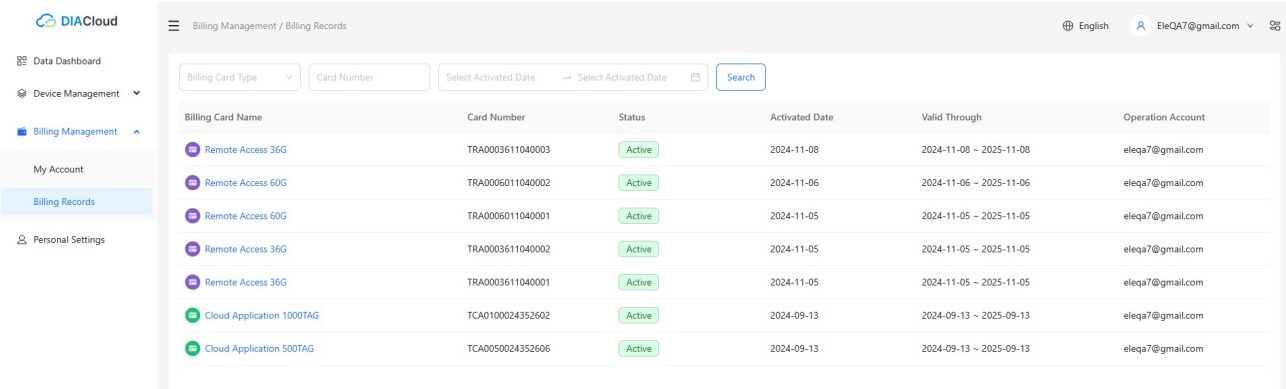
Description	Default
card number and card secret of the billing card -> Click “Next” button to confirm the content of the billing card -> Click “Activate Now” button, the billing card will be activated successfully. 2、Allocate Device: The billing card activated successfully can be allocate to devices immediately. Once Remote Access is bound to a device, it does not support to unbind it and bind it to other devices. Notification After the activation of the card, the card package will be effective immediately, please use the card package within the validity period. ● Remote access billing card – Allocate Billing card:   	

Description	Default
 ● Billing Card Usage As shown in the figure, all activated Remote Access billing cards for this account are displayed (active/deactivated cards will be shown here):  Click Traffics left of the device to to view the device's traffic history.	

Description	Default
	

1.2.5.2 Billing Records

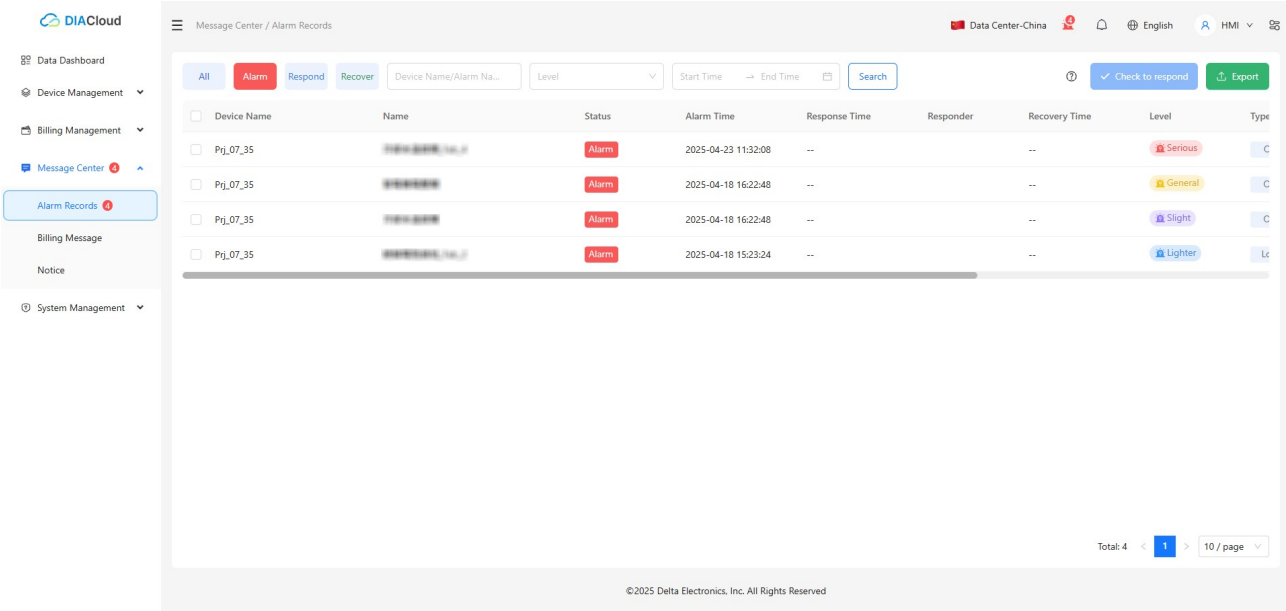
You can find billing records and other card information in the **Billing Records** tab.



1.2.6 Message Center

1.2.6.1 Alarm Records

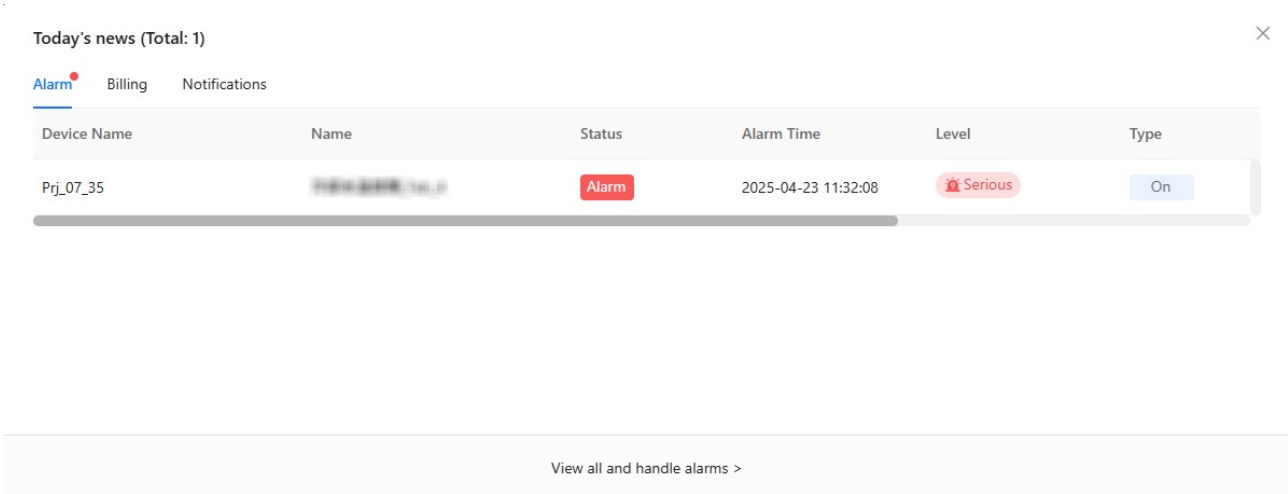
Alarm records displays all the alarm messages of the current device, users can batch/full acknowledge and recovery alarms from this page. Users can also query alarm time, device name/alarm name, and level. Alarm records can also be exported in .xlsx file format.



1.2.6.2 Billing Message

1.2.6.2.1 Message pop-up windows

Users log in to the DIACloud platform and are populated with device alarm that occurred today, push billing messages, and system notifications that were pushed today.



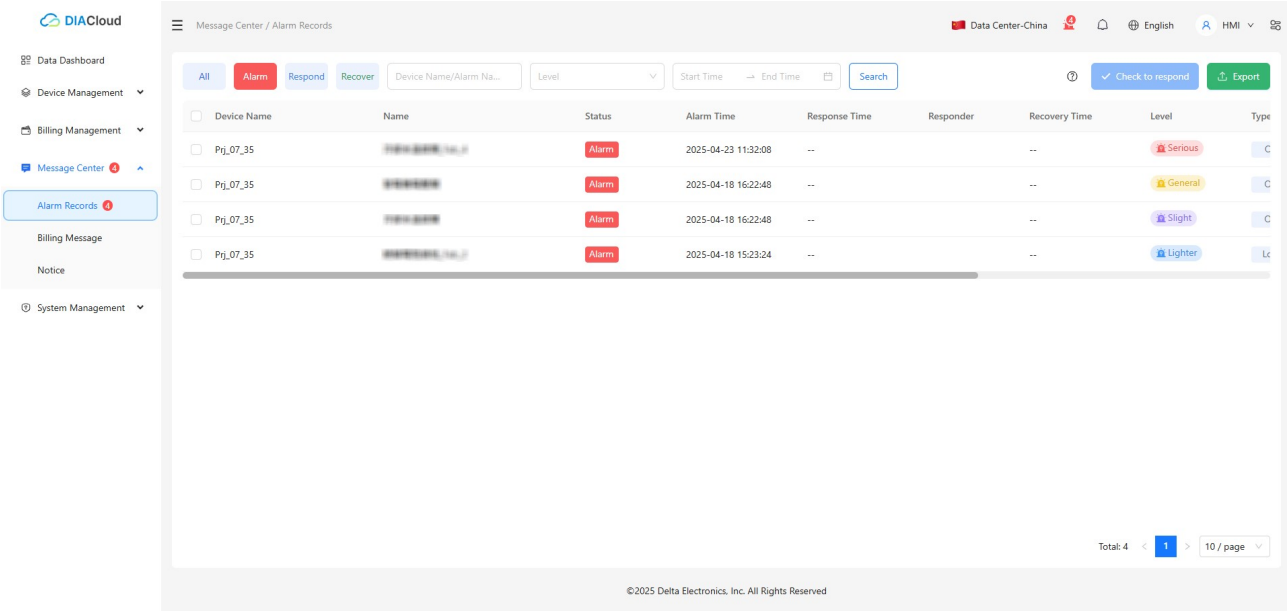
[All Read]: Mark all unread messages today as read.

[View All]: Jump to the list of billing messages to view all information.

Click the icon to read a single message.

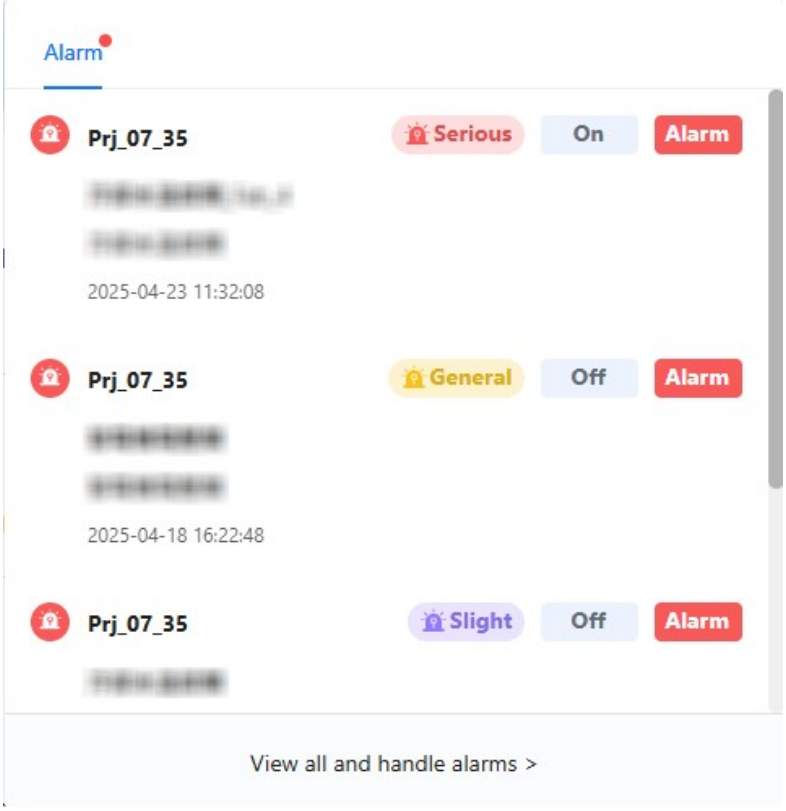
Alarm tab:

Today's alarms are displayed. Users can also click View All and Handle Alarms at the bottom of the page, and the page will jump to the alarm records after you click on it.



1.2.6.2.2 Alarm Notifications

Mouse over the alarm notification icon in the upper-right corner to show all outstanding alarms.



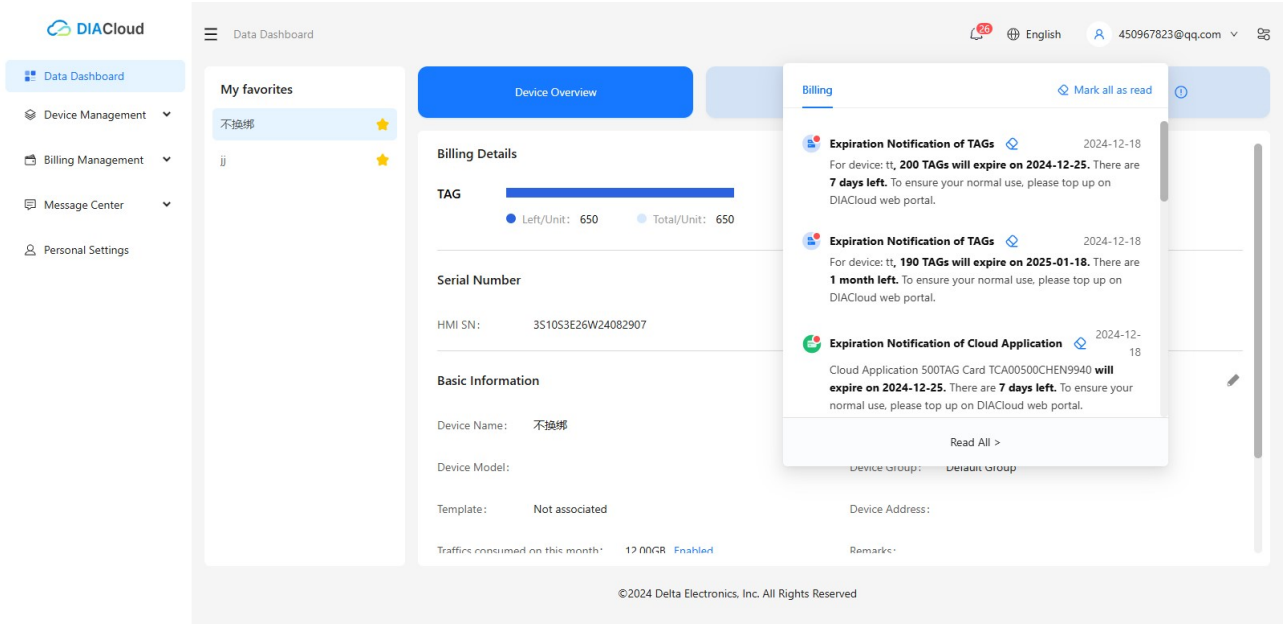
1.2.6.2.3 Notification

Mouse over the notification icon in the upper right corner to display all unread messages.

[Read All]: Marks all unread billing messages under this account as read.

[View All]: Jump to the list of billing messages to view all the information.

Tap the message type icon to read a single message.



1.2.6.2.4 Message List

Add menu [Message Center - Billing Messages] to show all unread messages.

Users can enter the billing message interface, view all unread messages by default, and switch to [All] to view all billing messages of this account.

Users can filter messages by message type (multiple choices), device name, card number, and time.

Read All]: Marks all unread billing messages under this account as read.

The message list can be categorized into the following message types:

1. Remote Access expiration reminder

(1) When Remote Access expires, a reminder will be sent to the recharged account.

(2) Reminder rules: Send one reminder each one month / 7 days / 1 day / the same day in advance.

2. Cloud Application card expiration reminder

(1) When Cloud Application expires, send a reminder to the recharge account.

(2) Reminder rule: Send a reminder once a month / 7 days / 1 day / the same day.

3. Equipment TAG expiration reminder

(1) When the device TAG expires, a reminder will be sent to the currently bound account of the device.

(2) Reminder rule: Send a reminder once a month / 7 days / 1 day / the same day.

4. Reminders for insufficient device traffic

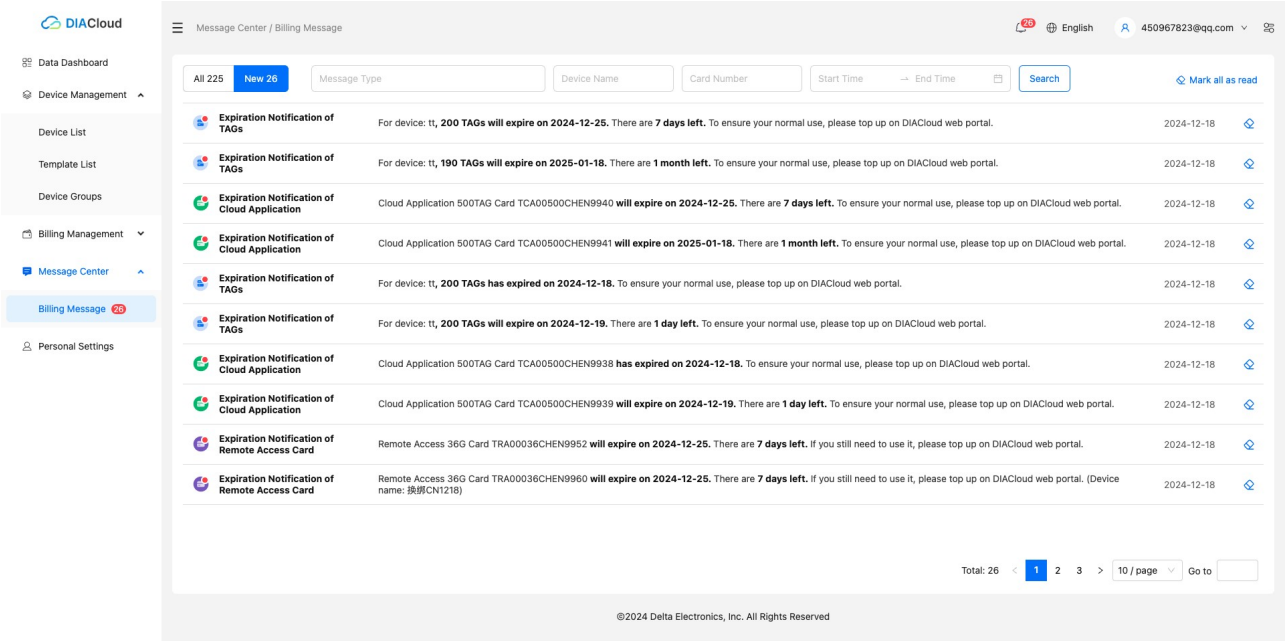
(1) Reminder will be sent to the current bonded account of the device when the device traffic is insufficient.

(2) Reminder rule: Reminder will be sent once when there is 100M / 50M / 0M left.

5. Account Tag Insufficiency Reminder

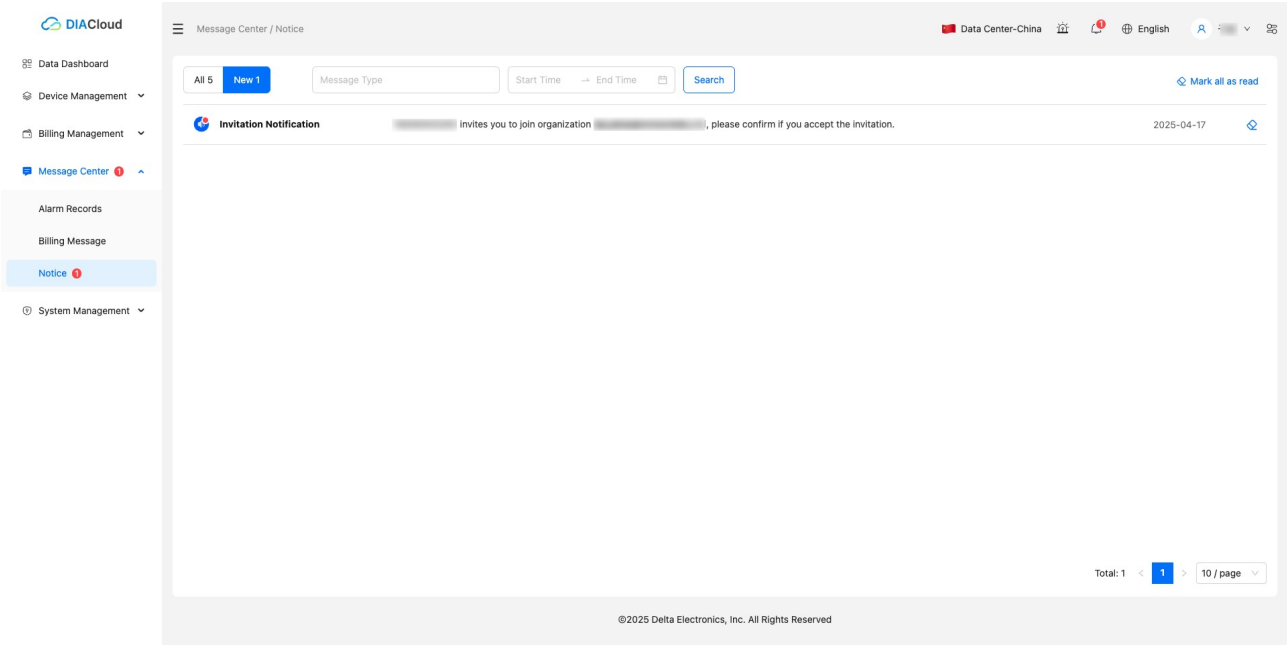
(1) When the account tag is insufficient, send an expiration reminder to the rechargeable account.

(2) Reminder rule: send a reminder once for each of the remaining 100, 50, and 0 quantites.



1.2.6.2.5 Notice

- Support all read system announcement.
- Notification of accepting someone's invitation to join the team.
- View notification of your own removal from the team.

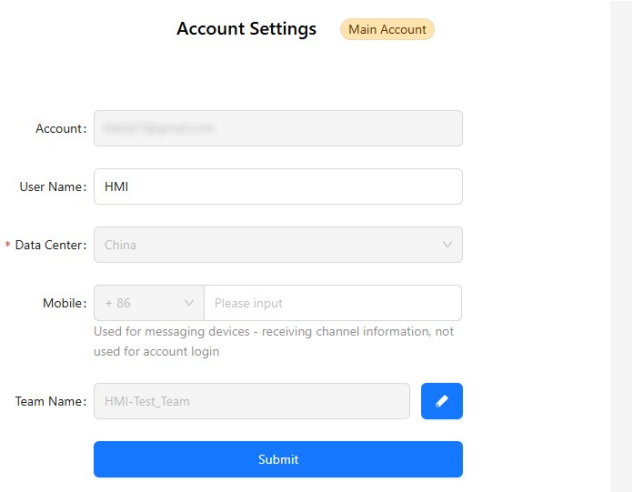


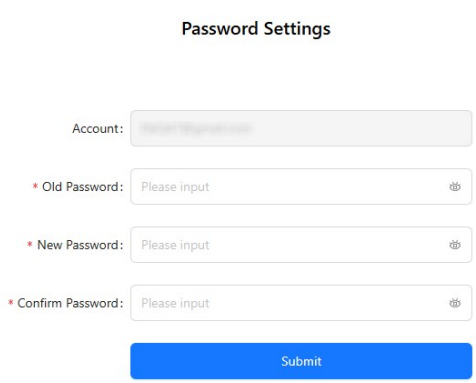
1.2.7 System Management

Configure the user's personal settings, user management, role management, and security zones.

1.2.7.1 Personal Settings

User can change the user name, team name, and reset password.





Description	Default
Account	
Display DIACloud login account	Login account
User Name	

Description	Default
Set the username	N/A
Data Center	
The data center that the account is connected to.	China
Mobile	
The mobile phone number used while registering this account is currently limited to the international area code +86	+86
Team Name	
Team name entered during account registration.	N/A

Description	Default
Account	
Display DIACloud login account	Login account
Old Password	
Enter the password for last login	N/A
New Password	
Enter new password	N/A
Confirm password	
Enter the same password as your new password	N/A

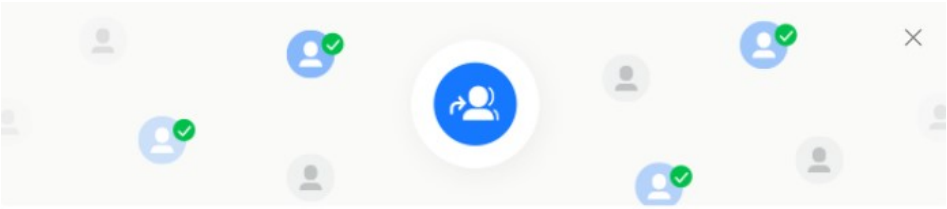
1.2.7.2 User Management

The main account can invite sub-accounts, assign sub-account privileges and data privileges, or move sub-accounts out of the team

When inviting users, please make sure that both of the following actions have been completed.

✓ The user you want to invite is in the same team name and the same data center

✓ The role name has been created for the main account.



Invitation Notification

eleqa7@gmail.com invites you to join organization **HMI-Test_Team**

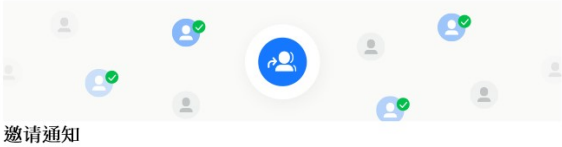
- If there are existing devices, templates, top-up points in your account, it's suggested to join the organization with a new account.
- If there are history data in the account, the data should be cleared manually (unbind devices, remove templates) before join a new organization. The data removed is not recoverable.
- The top-up cards and top-up records won't be cleared, but the existing top-up cards won't be migrated to the new organization and there is no visible recharge record and no recharge records can be seen.
- If the data is cleared, the TAGs and traffic quota already allocated will remain valid.
- After join the organization, the privilege of the account will be set by the main account.
- If needed, the invitation need to be re-initiated after it's declined.

Decline the invitation | Accept and login again

Invitation Notice

DIACloud@diacloudsolutions.com
To
External
This sender DIACloud@diacloudsolutions.com is from outside your organization.
If there are problems with how this message is displayed, click here to view it in a web browser.

Reply | Reply All | Forward
Wed 4/16/2025 11:11 AM



邀请通知

eleqa7@gmail.com 邀请您加入团队 **HMI-Test_Team**

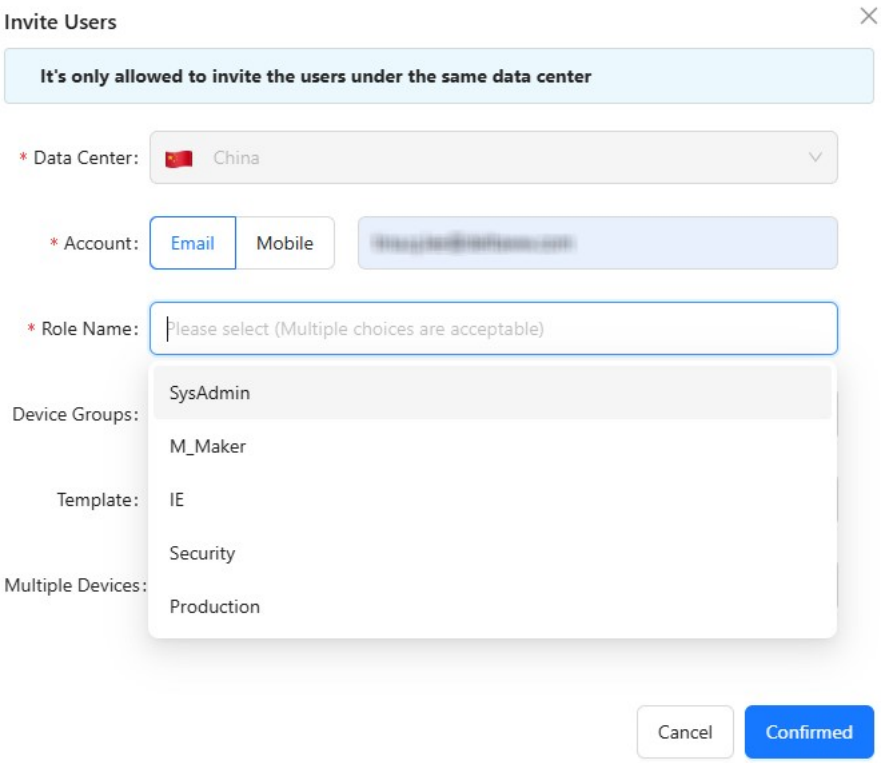
若您账号上存在设备、模板、计费卡等信息，建议您注册新的账号加入团队
账号下如有数据，需手动清空数据（解绑设备、删除模板）后方可加入团队，且数据不可恢复
计费卡以及充值记录不会被清除，但个人充值卡无法带入到团队账号下并看不见充值记录
清空数据之后，不影响已分配出去的TAG和流量
成功加入团队后，账号权限将由主账号分配
拒绝邀请后，如需再次加入该团队，可请邀请人重新发起邀请

Invitation Notification

eleqa7@gmail.com invites you to join organization **HMI-Test_Team**

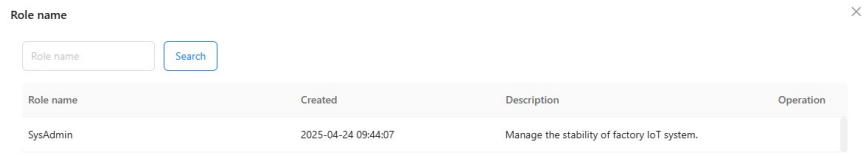
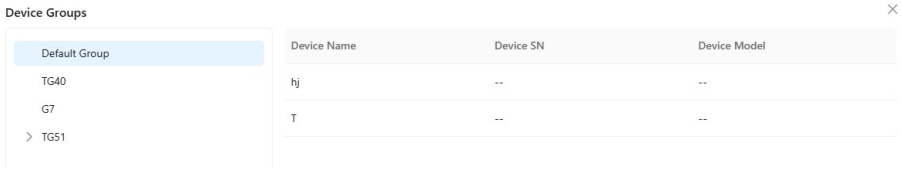
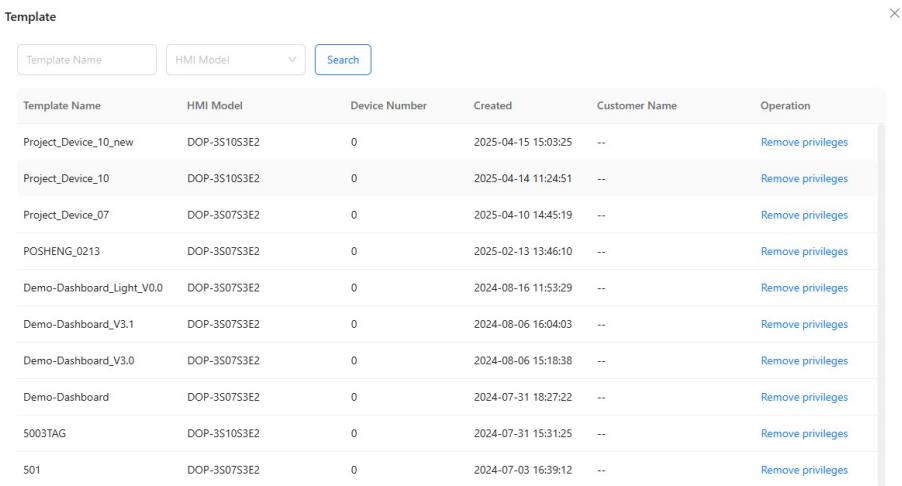
If there are existing devices, templates, top-up points in your account, it's suggested to join the organization with a new account
If there are history data in the account, the data should be cleared manually (unbind devices, remove templates) before join a new organization. The data removed is not recoverable.
The top-up cards and top-up records won't be cleared, but the existing top-up cards won't be migrated to the new organization and there is no visible recharge record.
If the data is cleared, the TAGs and traffic quota already allocated will remain valid.
After join the organization, the privilege of the account will be set by the main account.
If needed, the invitation need to be re-initiated after it's declined.

When inviting users, the account can be either a mailbox or a cell phone number. The system will automatically determine if the user has been added to the same team. If the user is in the same team, when clicking on the character name, the character name created by the main account will be displayed.

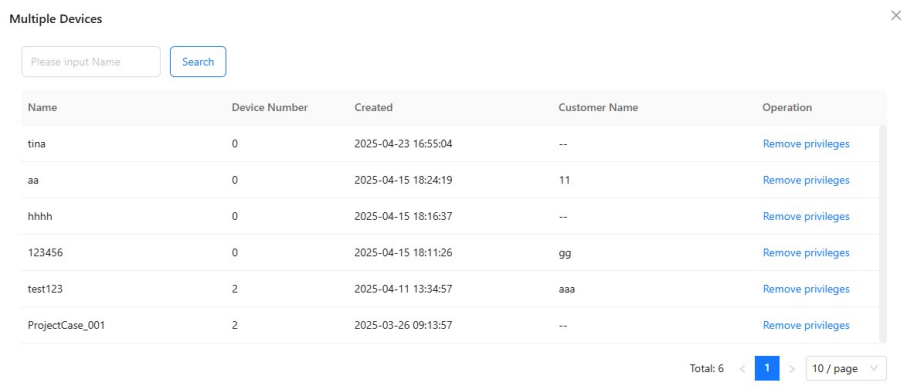


Manage the assignment of roles and data privileges to invited users.

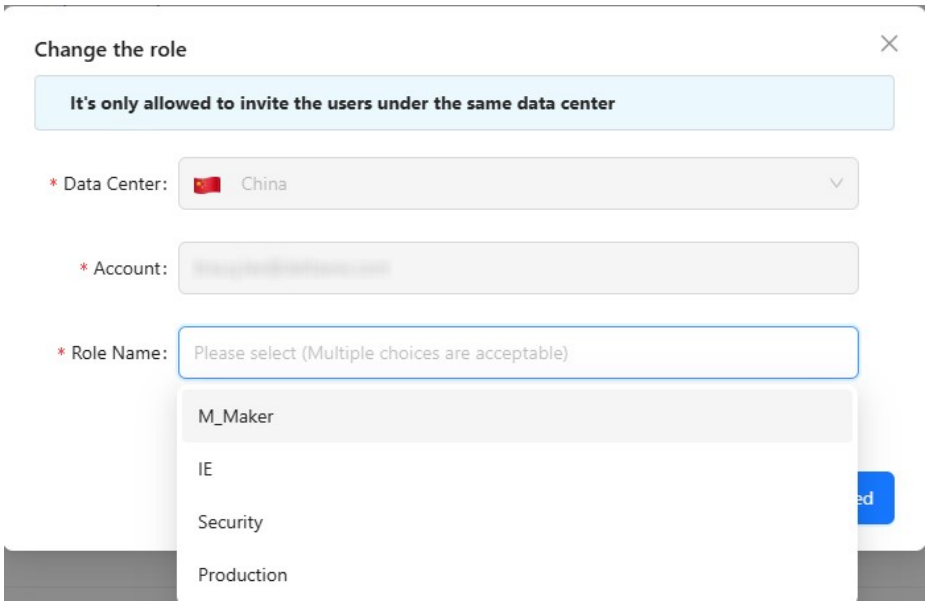
Description	Default
No.	
Serial number.	1
Account	
Display main account as default. When a user is invited, the invited user's account will also be displayed.	Login account
Username	
Set the username of the account.	N/A
The time the invitation was accepted	
Shows how long it takes for a user to click Accept after being invited.	N/A
Role Name	
There is a pre-existing system administrator role that belongs to the main account. If the invited user has other roles, you can click Enter to view the role details.	Administrator

Description	Default
	
Device Groups	
Default is all. If the invited users have other device groups, they can click to view the details of the device groups. 	All
Template	
Default is all. Invited users who have other templates can click to view the template details. Users can also unauthorize the operation of the template under this template details page. Or enter the template name and select the HMI model to query the corresponding template information. 	All
Multiple Devices	
Default is all.	All

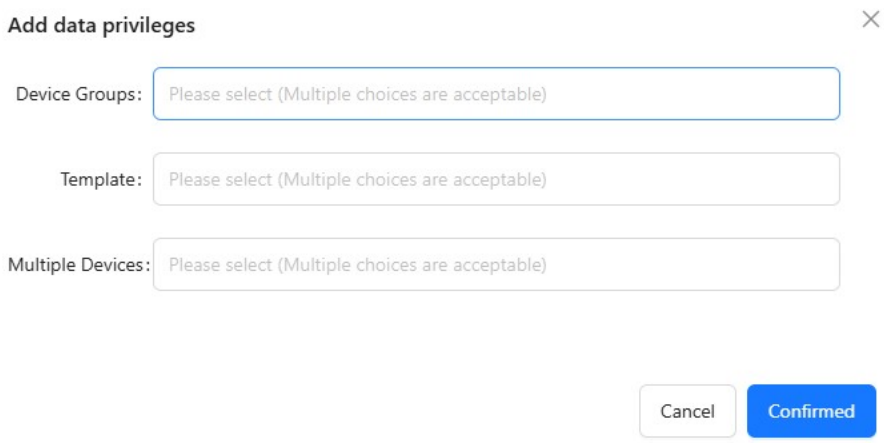
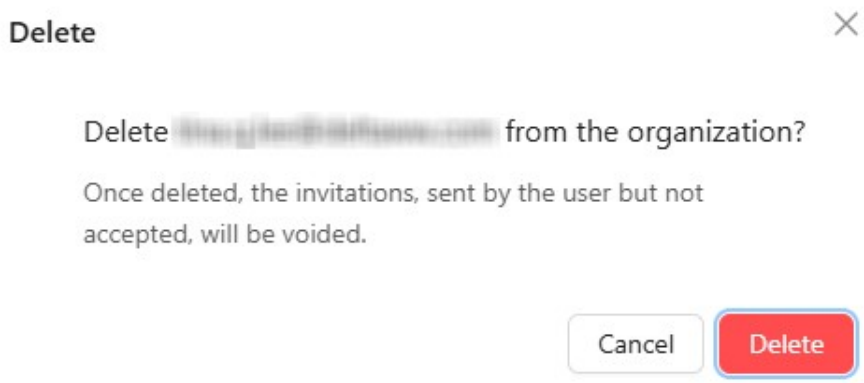
Description	Default
If the invited user has other multiple devices, users can click to view the details of the items. Users can also unauthorize the operation of the multiple devices under this multiple devices' details page. Or also can enter the name of multiple devices item to query the information of the corresponding multiple devices item.	



Operation	
● Change the role ➢ Change the role of user.	N/A

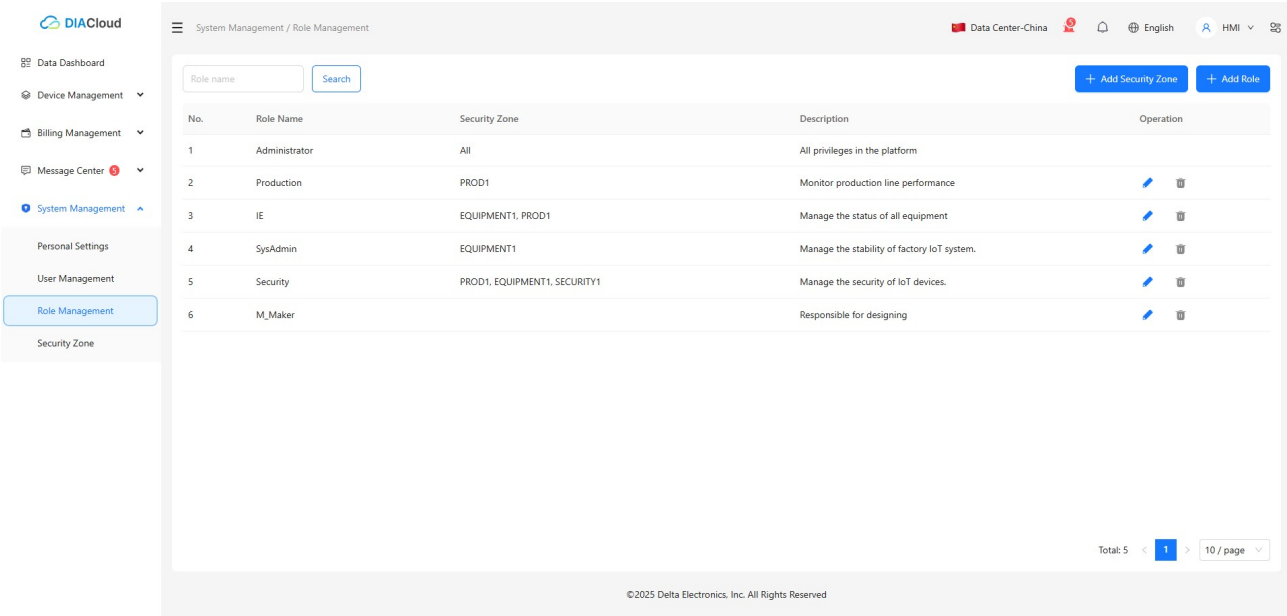


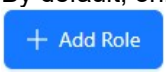
● Data privileges ➢ Added user data privileges for device grouping, templates, and	

Description	Default
multiple devices items.  ● Delete ➢ Deletes the user. After clicking the button, it will check whether to delete the user again.  	

1.2.7.3 Role Management

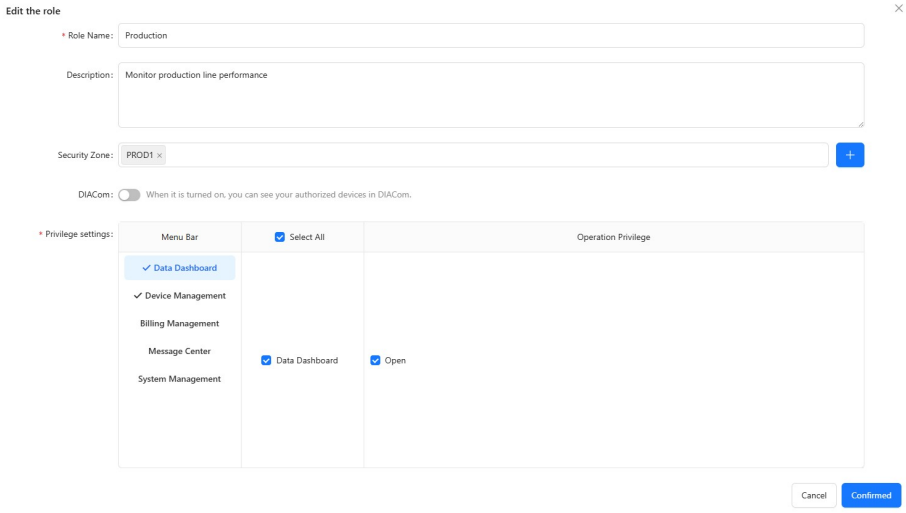
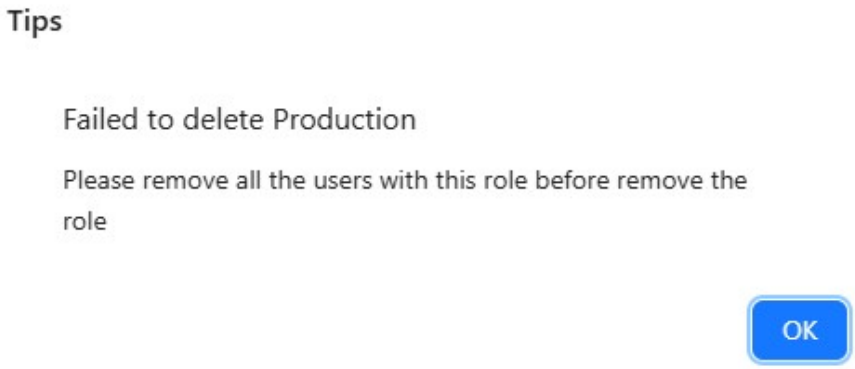
Users can add, edit, and delete roles here, and assign platform operation privileges to roles as well as add new security zones and bind security zones to roles.

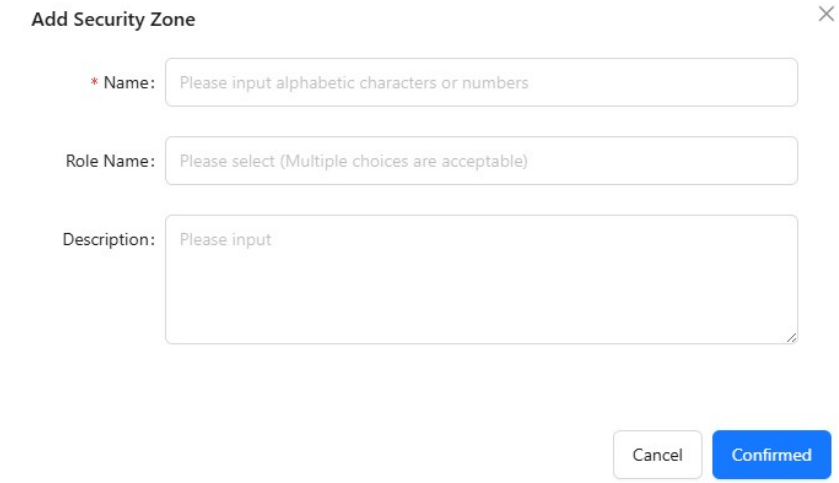
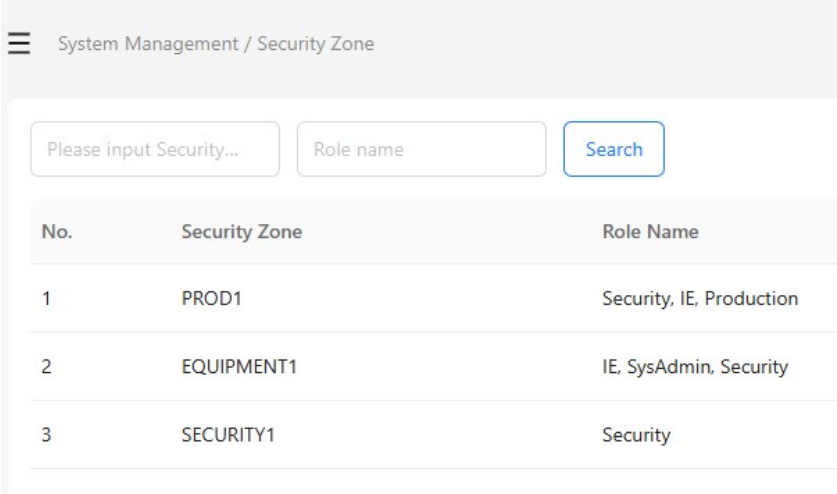


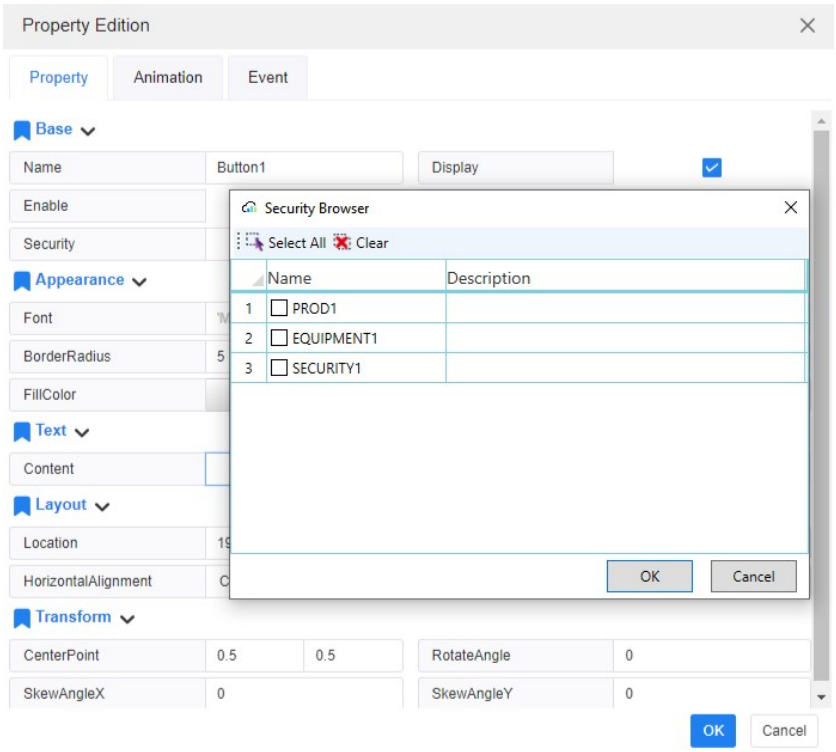
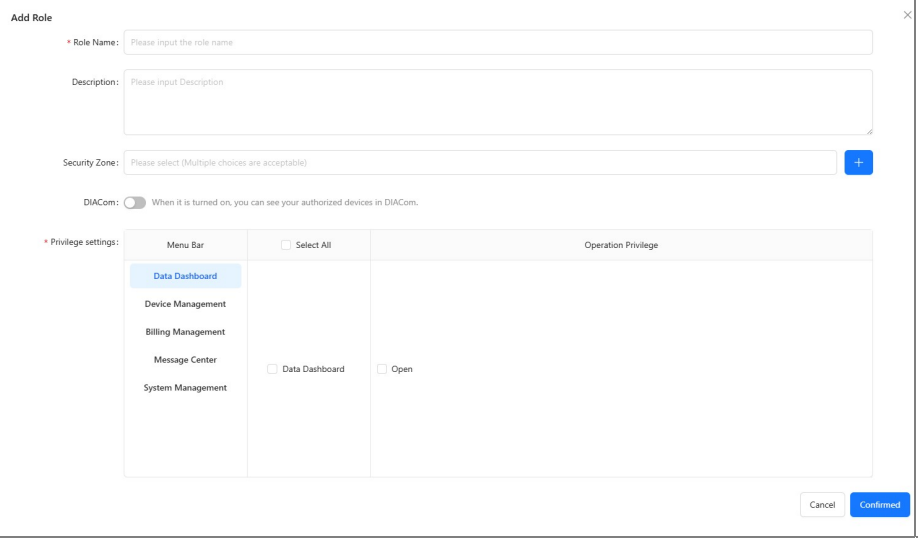
By default, only the system administrator, as the user of the main account, can create the roles 

needed in the team, then invite users and assign roles to the corresponding permissions.

Description	Default
No.	
Serial number.	1
Role Name	
A system administrator role exists by default and belongs to the main account. Displays all role names under the main account.	Administrator
Security Zone	
Default is all. Displays all established security zones.	All
Description	
The default is to have all permissions for the platform. Displays the description created when you create a new role.	All privileges in the platform
Operation	
● Edit	N/A

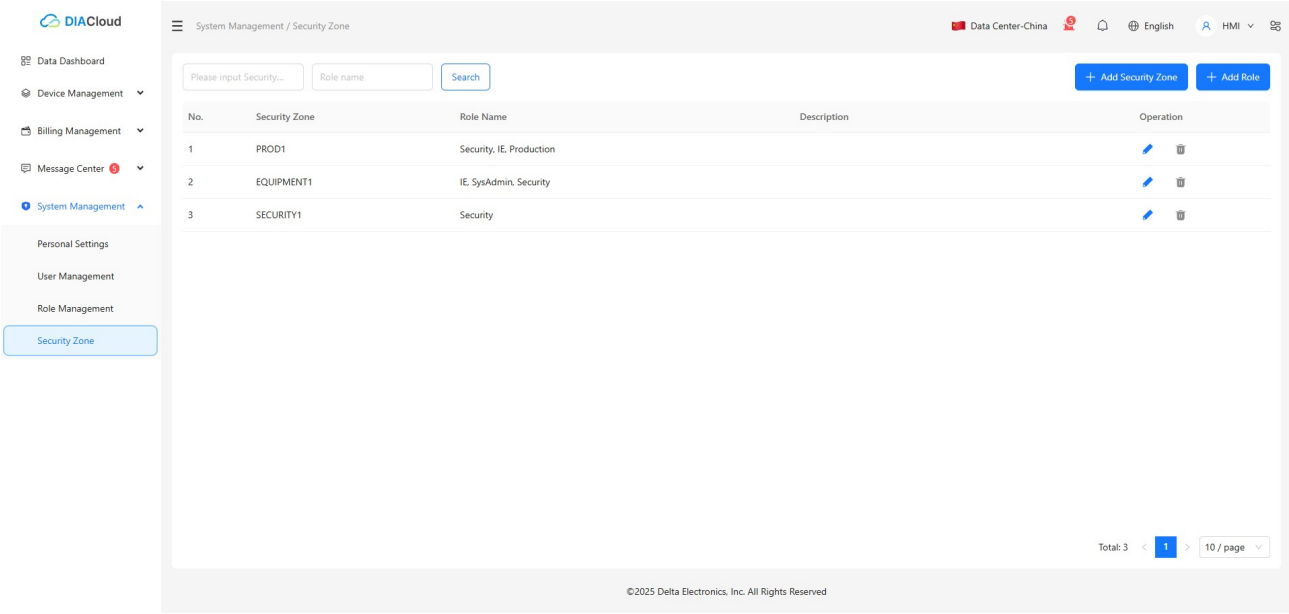
Description	Default
➢ Change the user's role permissions and security zones.  ● Delete ➢ Delete the role. ➢ When users delete a role, please remove the users under the role first. If there are users under the role but you want to execute the deletion, the following information notification will be displayed.  	
+ Add Security Zone	
Create the name of the security zone with the roles of the accessible components and a description of the associated description.	N/A

Description	Default
 This function is used with DIAWebDesigner. After creating security zones and roles on the platform, users can bind a template with DIAWebDeisgner and distribute the security zones and roles created on the platform to DIAWebDeisgner.  Then create a component in DIAWebDeisgner and set its security to restrict access to the component by the roles.	

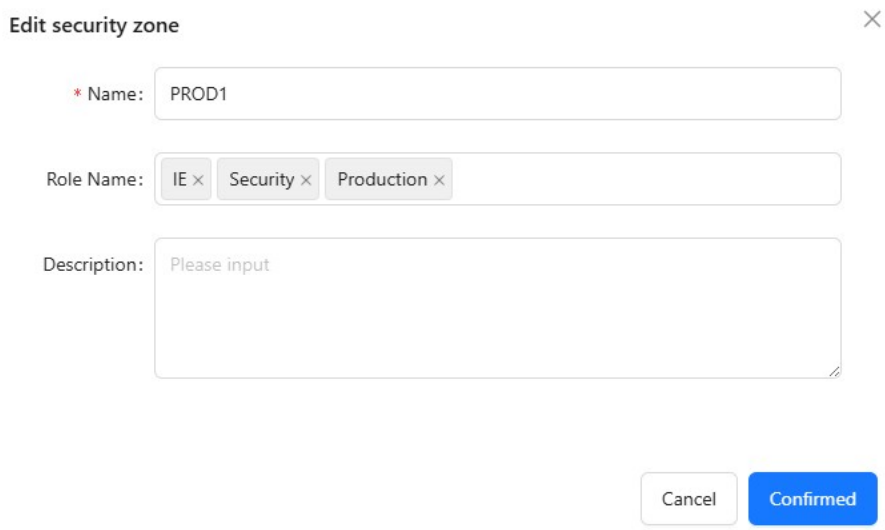
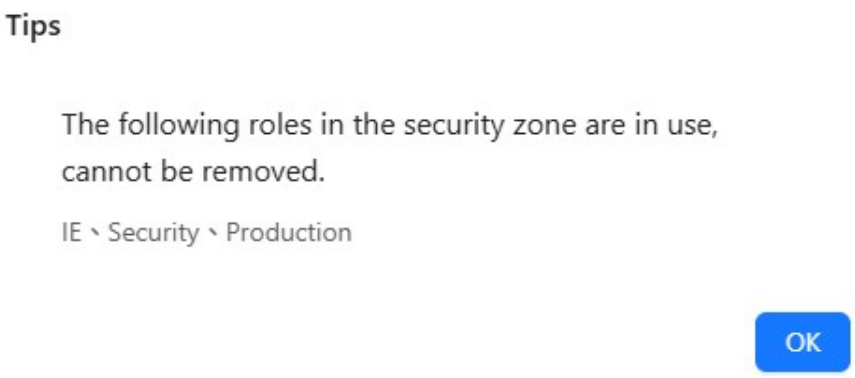
Description	Default
 Note: For details, please refer to Chapter 6 Security in the DIAWebDesigner manual.	
+ Add Role	
Create a new role name, and set the privileges for the features their role can access on the platform, as well as the corresponding security zones.  	N/A

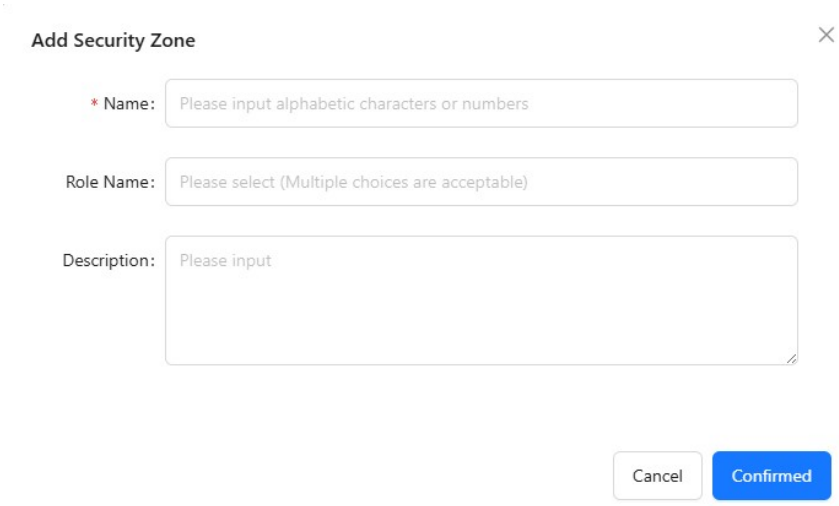
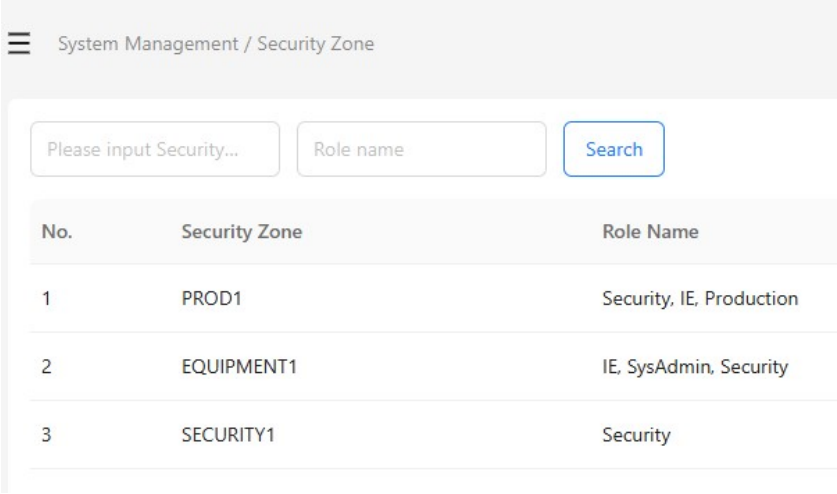
1.2.7.4 Security Zone

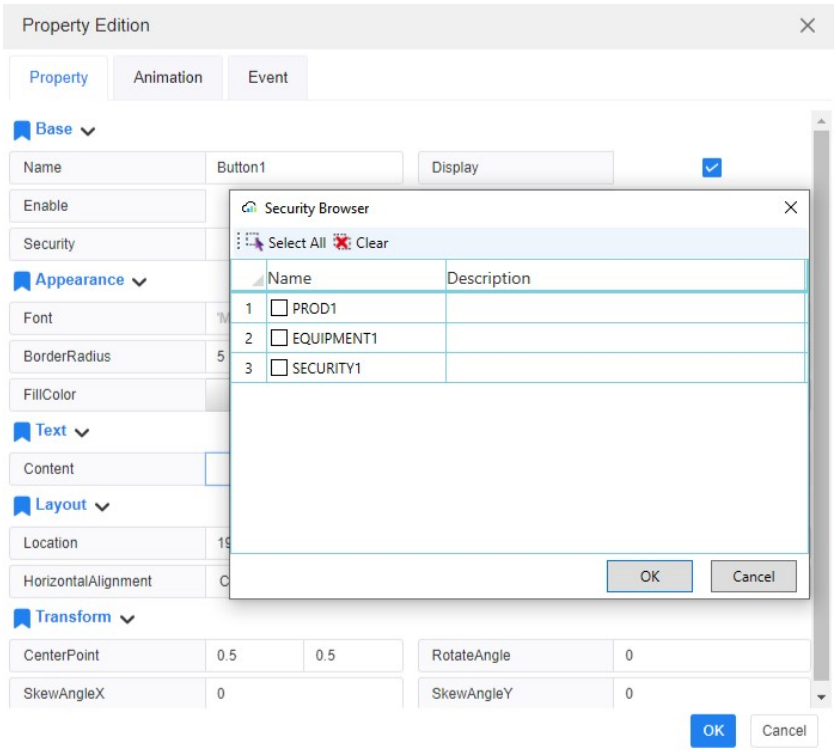
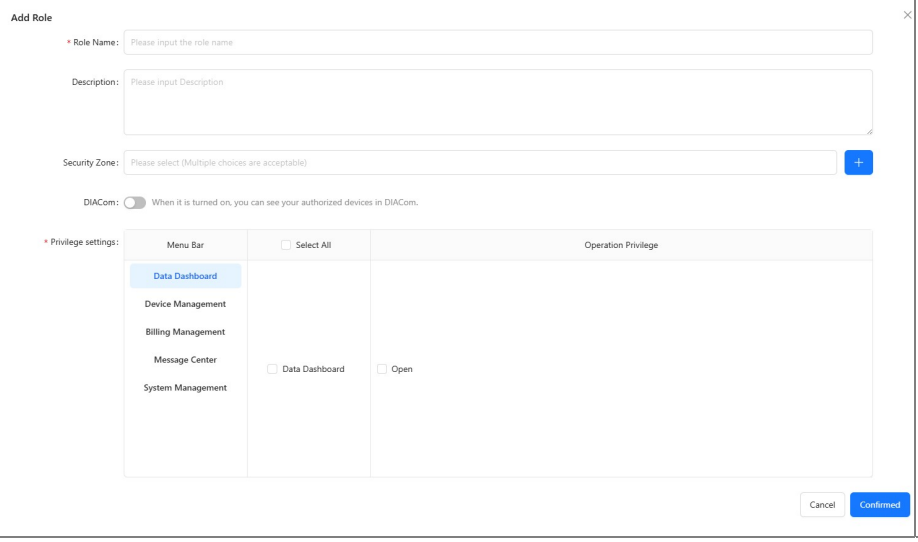
Users can add, edit, delete security zones and bind security zones to roles.



Description	Default
No.	
Serial number.	1
Security Zone	
Displays all established security zones.	N/A
Role Name	
Displays all role names under the main account.	N/A
Description	
Displays the description created when you create a new security zone.	N/A
Operation	
● Edit ➢ Change the name of security zones and role.	N/A

Description	Default
 ● Delete ➢ Delete the security zone. ➢ When users delete a security zone, please remove the users under the security zone first. If there are users under the security zone but you want to execute the deletion, the following information notification will be displayed. 	
+ Add Security Zone	
Create the name of the security zone with the roles of the accessible components and a description of the associated description.	N/A

Description	Default
 This function is used with DIAWebDesigner. After creating security zones and roles on the platform, users can bind a template with DIAWebDeisgner and distribute the security zones and roles created on the platform to DIAWebDeisgner.  Then create a component in DIAWebDeisgner and set its security to restrict access to the component by the roles.	

Description	Default
 Note: For details, please refer to Chapter 6 Security in the DIAWebDesigner manual.	
+ Add Role	
Create a new role name, and set the privileges for the features their role can access on the platform, as well as the corresponding security zones. 	N/A

2

Chapter 2 eDIACloud APP

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2.1 eDIACloud App Introduction

After the user logs in to the DIACloud account, eDIACloud not only can synchronize all device information of DIACloud, including device information, HMI screen, tag and other data, but also can bind the device to DIACloud through eDIACloud.

User only needs to download and install the APP (https://hms.diacloudsolutions.com) on their mobile devices to experience the flexible and convenient features and instant message reception, which can effectively improve remote monitoring, shorten troubleshooting time, and reduce labor maintenance costs.

2.1.1 Installation Environment/Software Installation

The mobile device software can be downloaded and installed by searching for “DIACloud” in Android Google Play and iPhone App Store.

Users can also scan the QRCODE and select your mobile device as iOS or Android and download the APP directly.

The Android and iPhone OS version supported by the APP are as demonstrated below:

- **Supported OS version**

Mobile	OS version
Android	Android 8.0 or above
iPhone	iOS11 or above

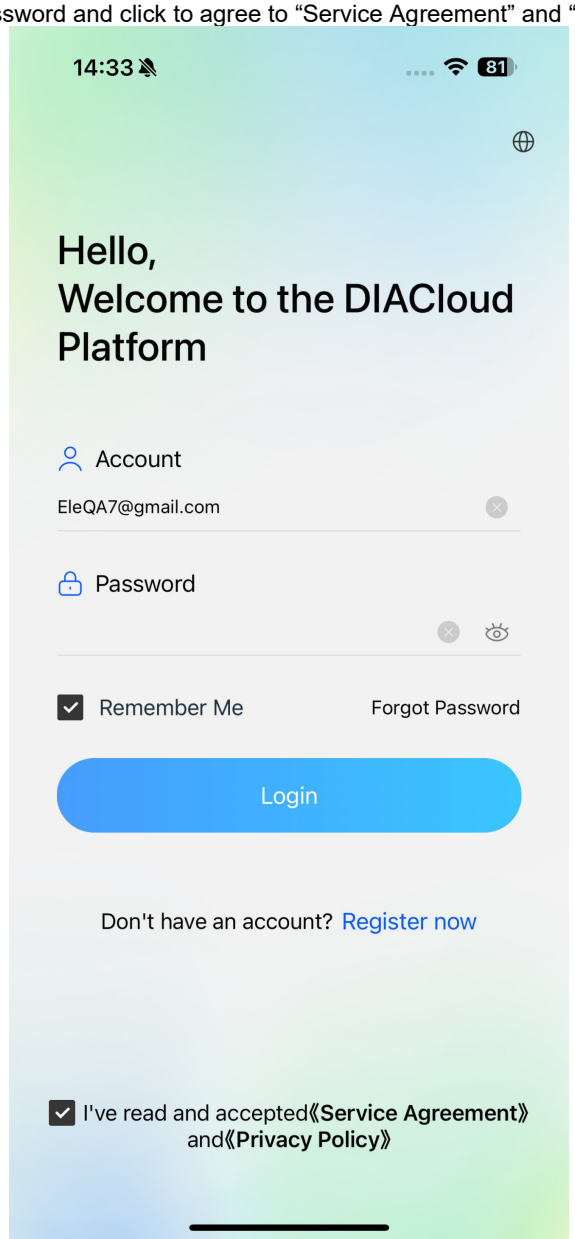
- **Download methods**

Region	Download platform
China	Google Play or APP Store
EMEA / India	Google Play or APP Store

2.2 Login Page

2.2.1 Login

1. After downloading and installing the APP, click the APP icon and open eDIACloud.
2. Enter DIACloud username, password and click to agree to “Service Agreement” and “Privacy Policy” to log in.



Description	Default
Account	
Enter DIACloud account	N/A
Password	
Enter DIACloud password	N/A
Remember Password	

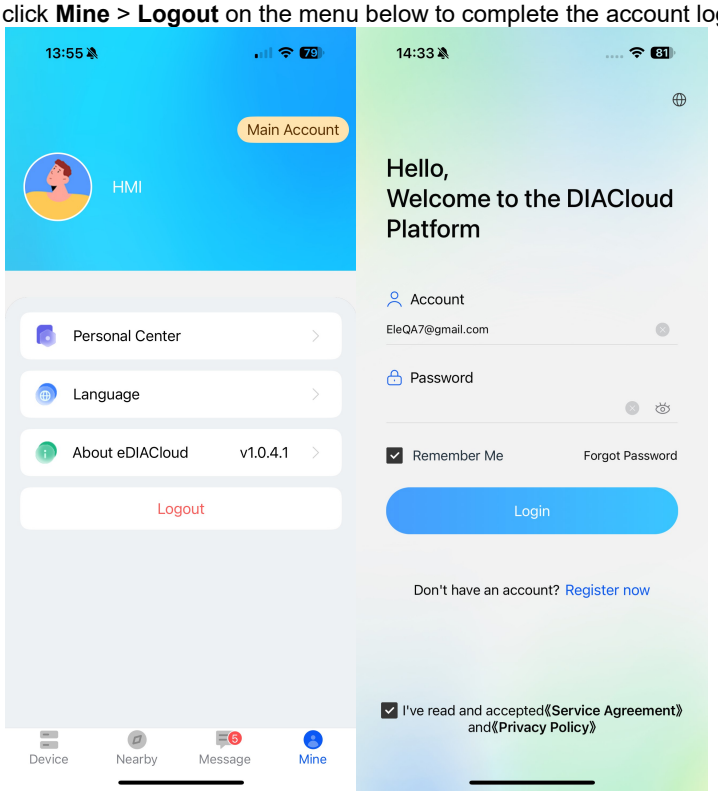
Description	Default
● Not checked: Account password will not be recorded. ● Checked: The account password will be recorded even if the user logs out.	Not checked
I've read and accepted.	
Before logging in, you must check and agree to the **I've read and accepted Service Agreement and Privacy Policy** before you can log in to the APP**.**	Not checked

Notification

After logging out of your account, you will not be able to receive push notification.

2.2.2 Logout

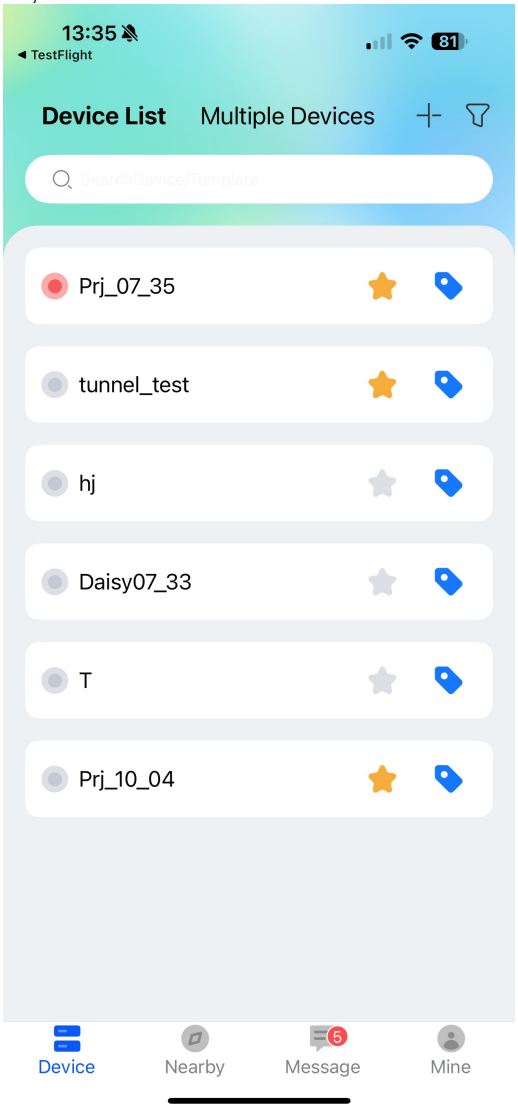
After logging into the APP, click **Mine** > **Logout** on the menu below to complete the account logout.



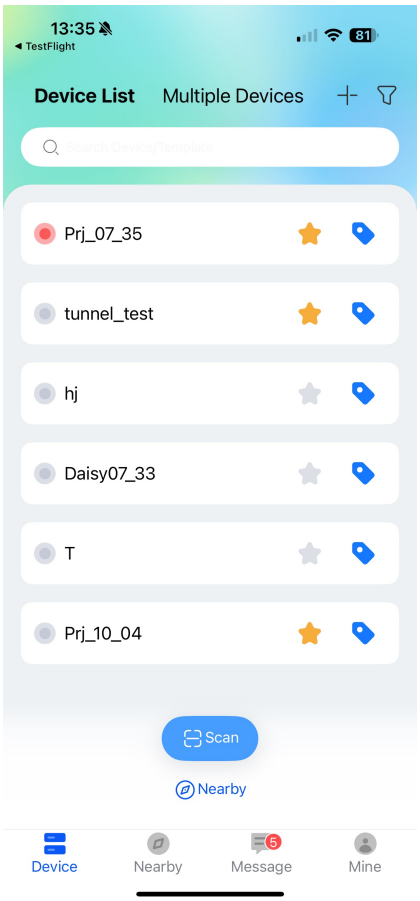
2.3 Function Operation

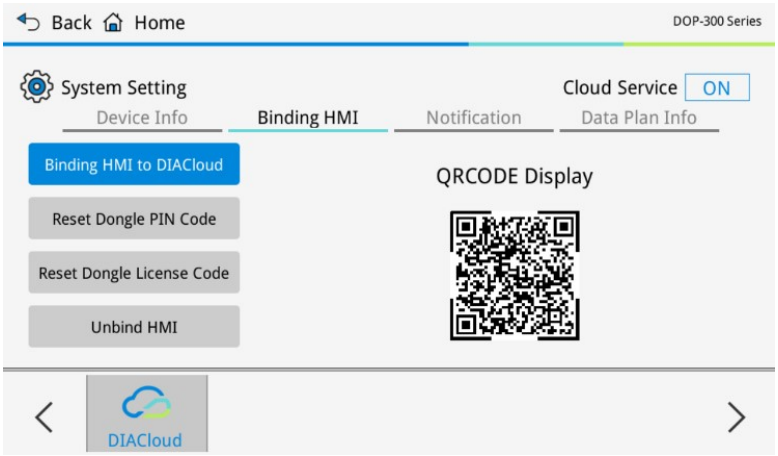
2.3.1 Homepage

Display the device list, multiple devices, search devices and new devices that is bound to DIACloud users.



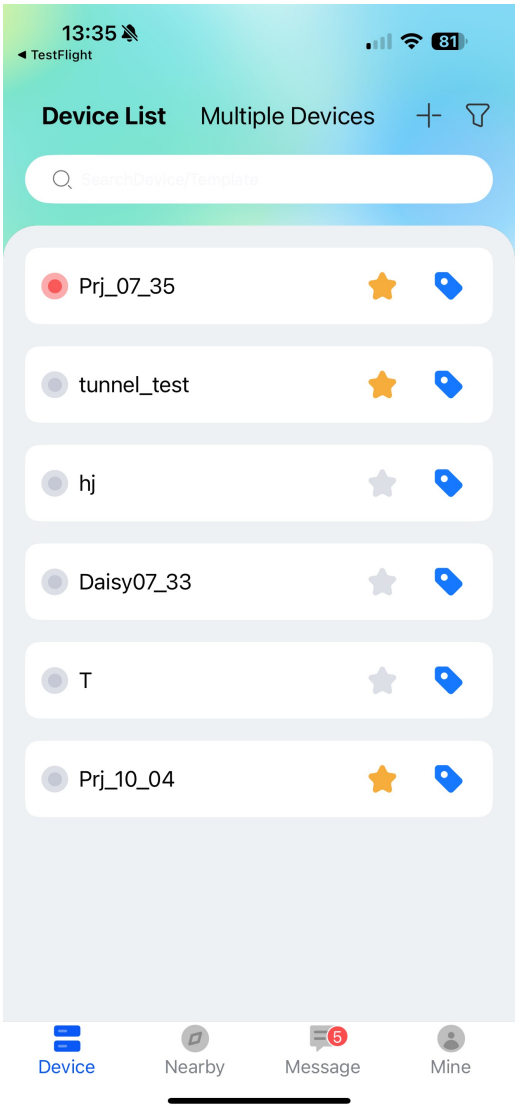
Click on the upper right icon to bind DIACloud to the device by scanning the device QRCode or Bluetooth device.



Description	Default
Scan	
Scan the QRCode of the HMI to bind.  	N/A
Nearby	
Search nearby devices via Bluetooth and bind them.	N/A

2.3.2 Device List

Display the list of devices currently bound to DIACloud, including connection status, device information, screens and dashboards.

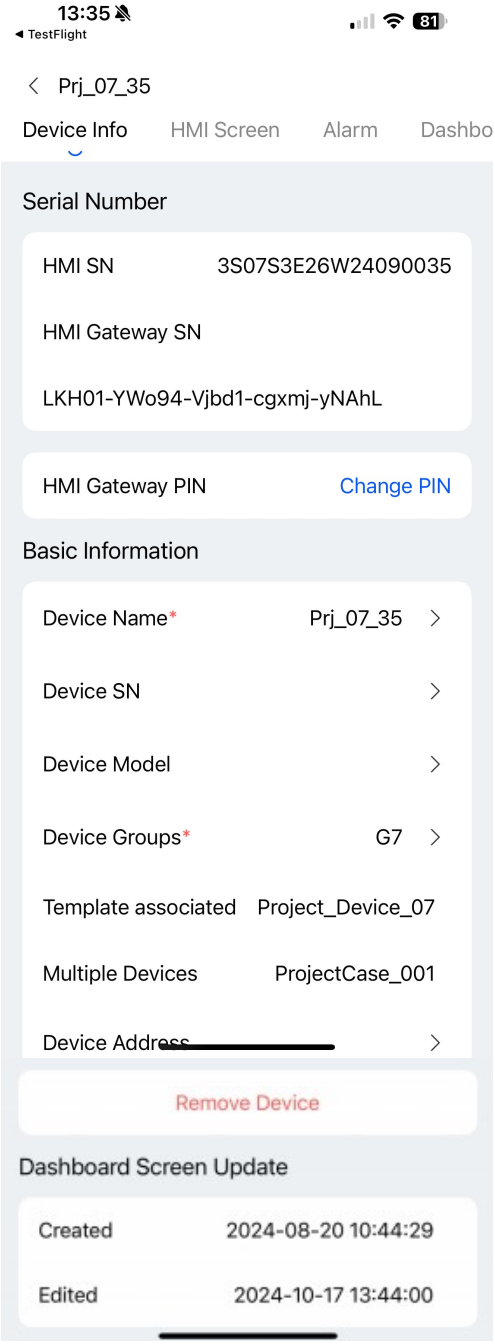


Description	Default
Device Status	
: The device status is online. : The device status is offline. : The device is abnormal, there is an alarm record status.	N/A
Device Name	
Display the name of the device bound to DIACloud. : Included in My Favorite list. : Not included in My Favorite list.	N/A

Description	Default
: Added device label. If the device does not have a device label set, user can define their own device label, which can be used when searching for devices.	

2

- **Device Information**

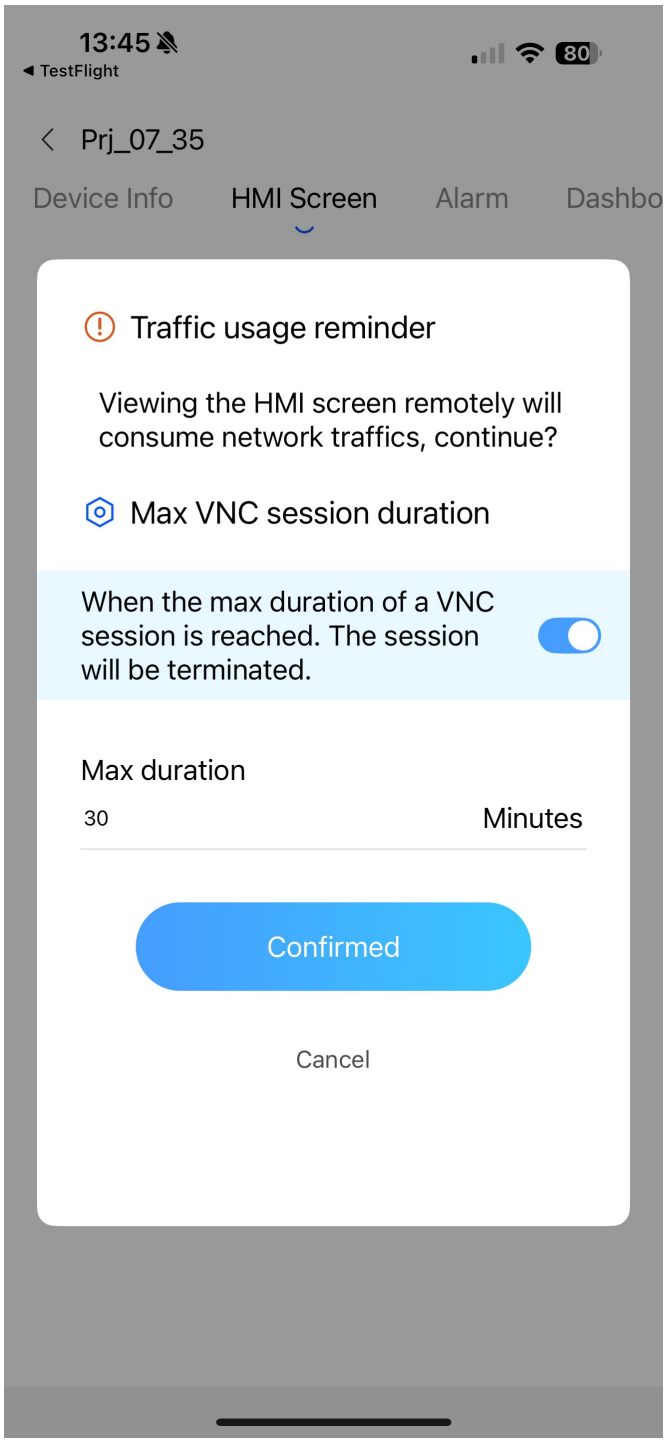


Description	Default
Serial Number	
● HMI SN: Display the device serial number. ● HMI Gateway SN: Display the device gateway serial number.	N/A
HMI Gateway PIN	
It is mainly used to modify the PIN code on the sticker on the back cover of the HMI. When the customer returns the device and the PIN code on the back cover sticker has changed, user can modify the PIN code through this action.	
Basic Information	
Display the information that the device is bound to DIACloud. Click this item to modify and save it directly. ● Device Name: The name of the device bound to DIACloud. ● Device SN: The device serial number that the device is bound to DIACloud. ● Device Model: The model of the device bound to DIACloud. ● Device Groups: The group name of the device bound to DIACloud. ● Template associated: The template name of the device bound to DIACloud. ● Multiple Devices: The name of the multiple devices item that the device is bound to in DIACloud. ● Device Address: Display the detailed address of the device. ● Remarks: Enter the content to be noted.	N/A
Remove Device	
Delete the device.	N/A
Dashboard Screen Update	
● Created: Display the first binding time of the device. ● Edited: Display the first modification time of the device.	N/A

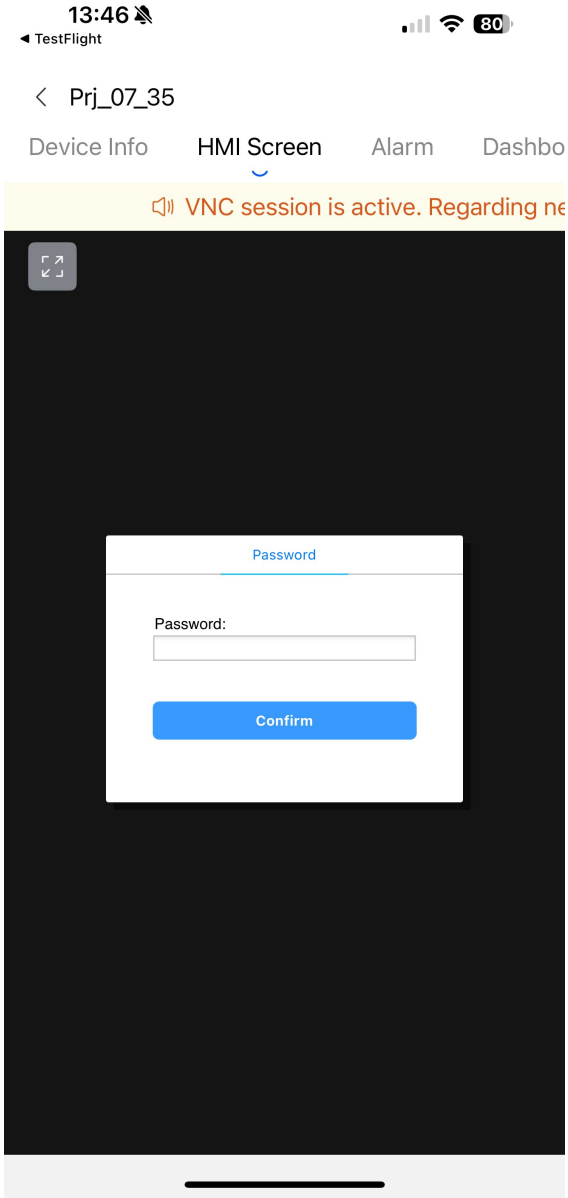
- **HMI Screen**

Through the VNC function, the screen of the actual HMI can be displayed on the handheld device and can be operated directly.

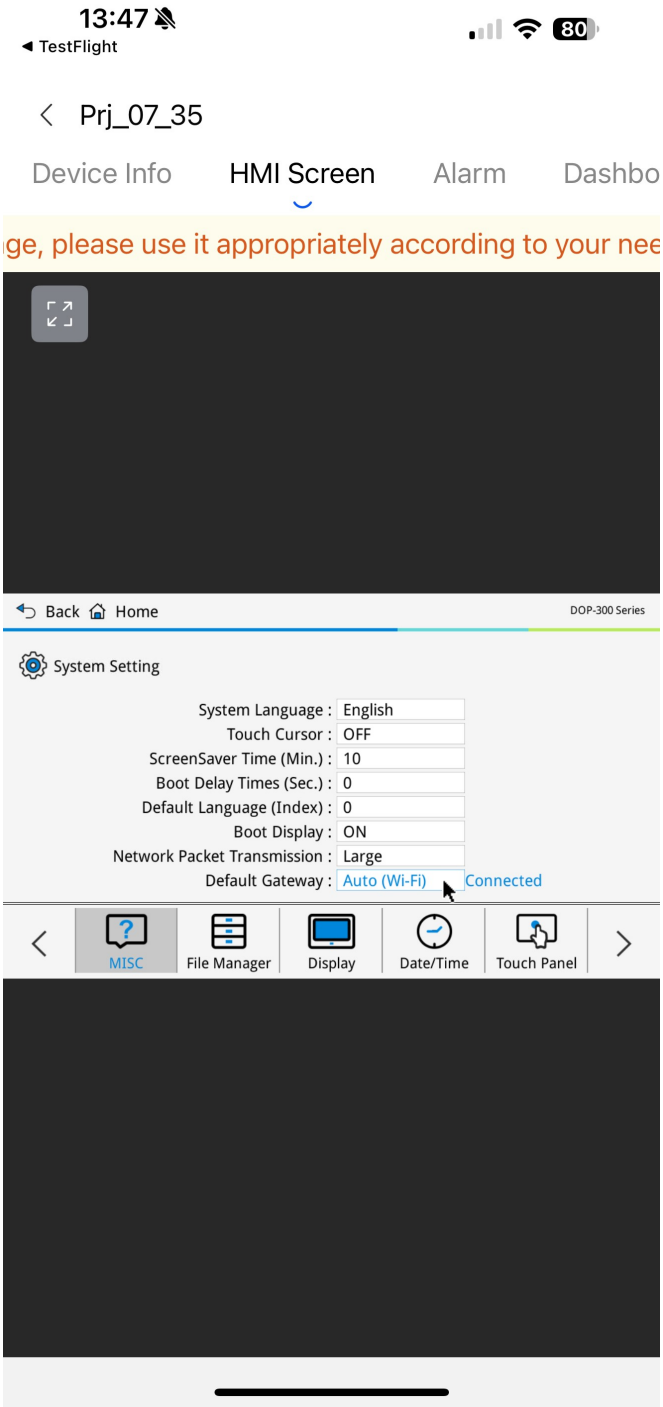
Click on the HMI screen, and the message **"Traffic usage reminder"...** will appear at first.


13:45
TestFlight
80
Prj_07_35
Device Info
HMI Screen
Alarm
Dashbo
Traffic usage reminder
Viewing the HMI screen remotely will consume network traffics, continue?
Max VNC session duration
When the max duration of a VNC session is reached. The session will be terminated.
Max duration
30
Minutes
Confirmed
Cancel

Select whether to turn off VNC automatically and set the time limit, press OK, the password window will appear, then enter the VNC password and click “Confirm”.

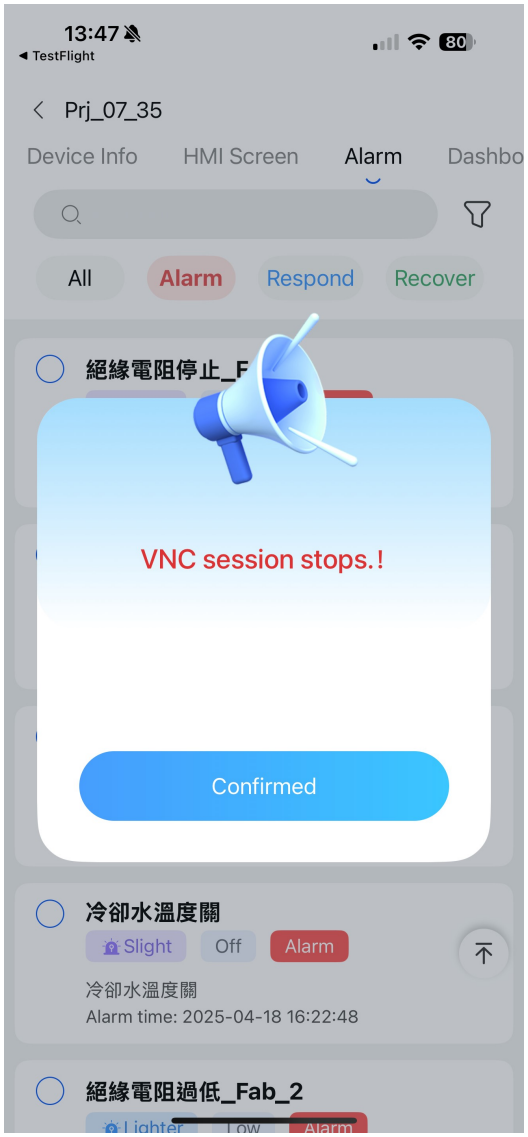


After the connection is successful, the current screen of the device will be displayed on the screen.



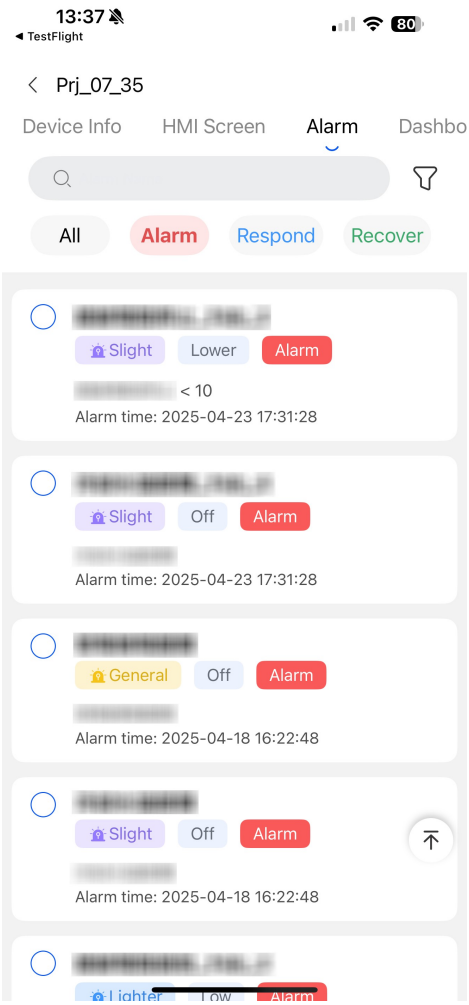
Note: Before using this function, please make sure that the VNC function is turned on on the HMI. For related settings, please refer to DOP related manuals.

After successful connection, the current screen of HMI will be displayed. After leaving VNC, the following message will be displayed to remind the end of VNC usage.



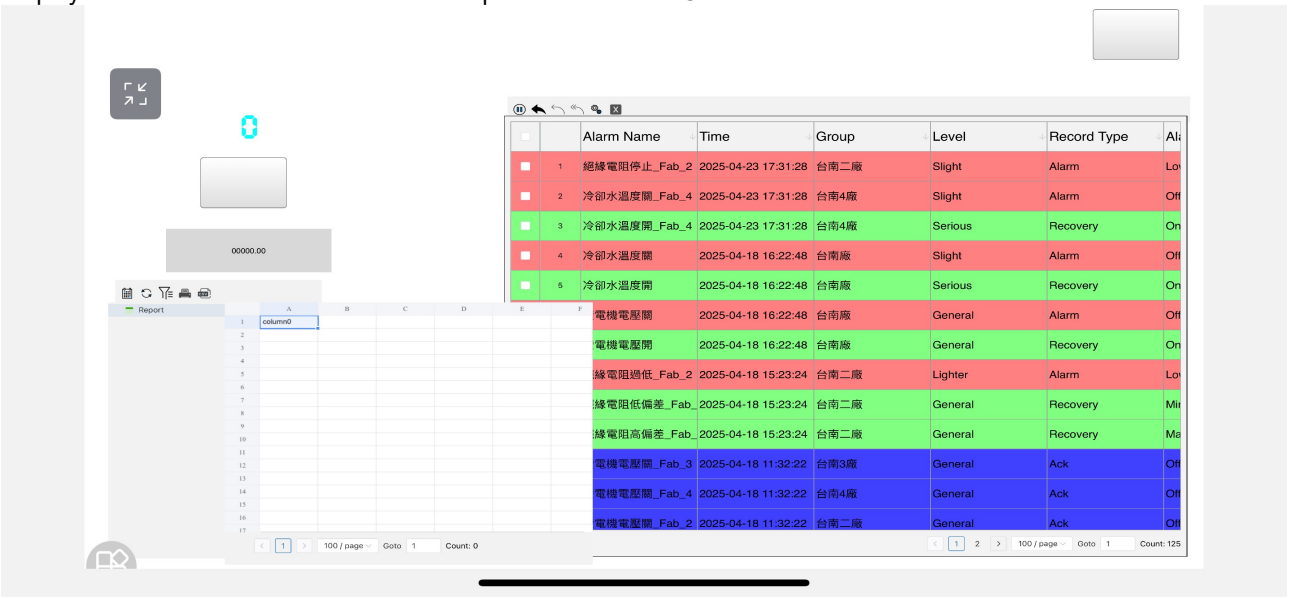
- **Alarm**

Displays the alarm records of the device. The alarm status can be confirmed and resumed in batch.

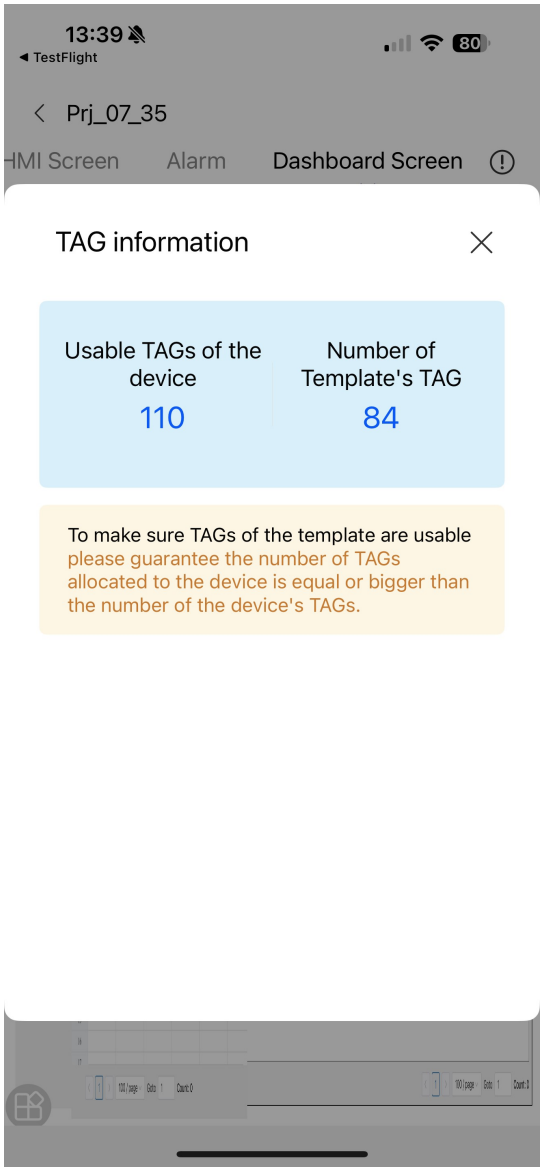


- **Dashboard Screen**

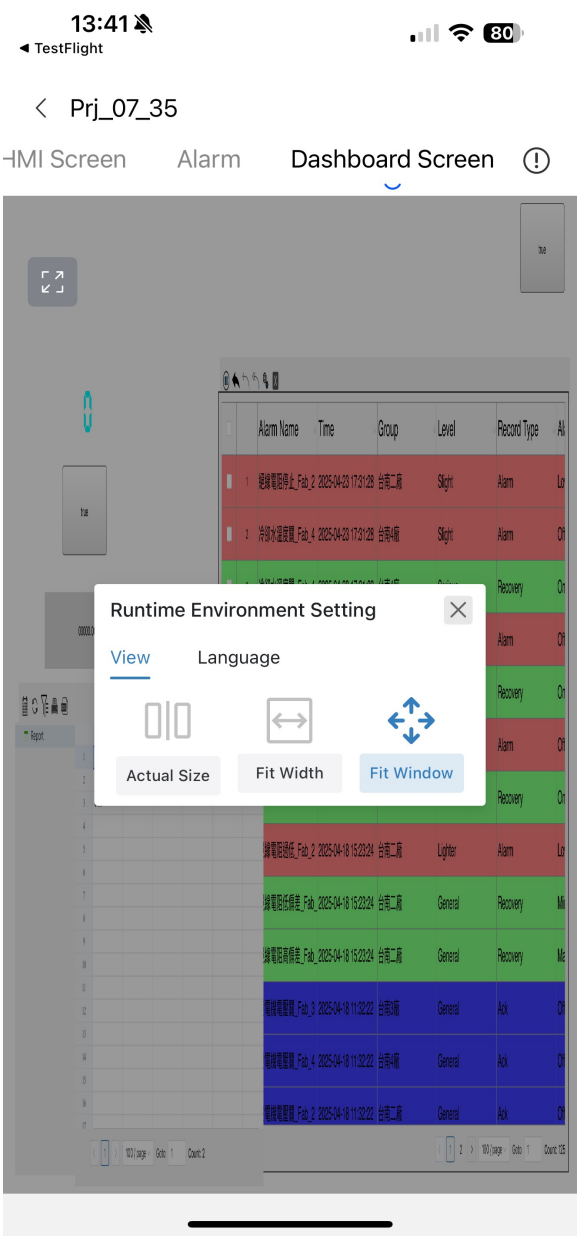
Display the HMI dashboard screen in the template bound to DIACloud.

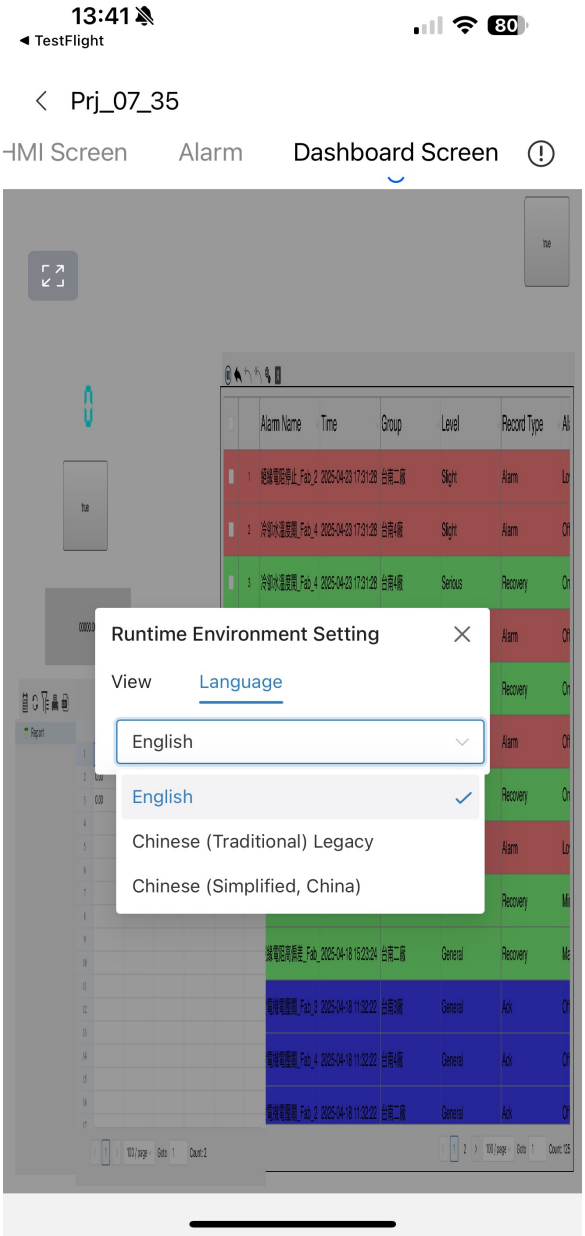


Click to view the number of TAGs used on the current configuration screen.



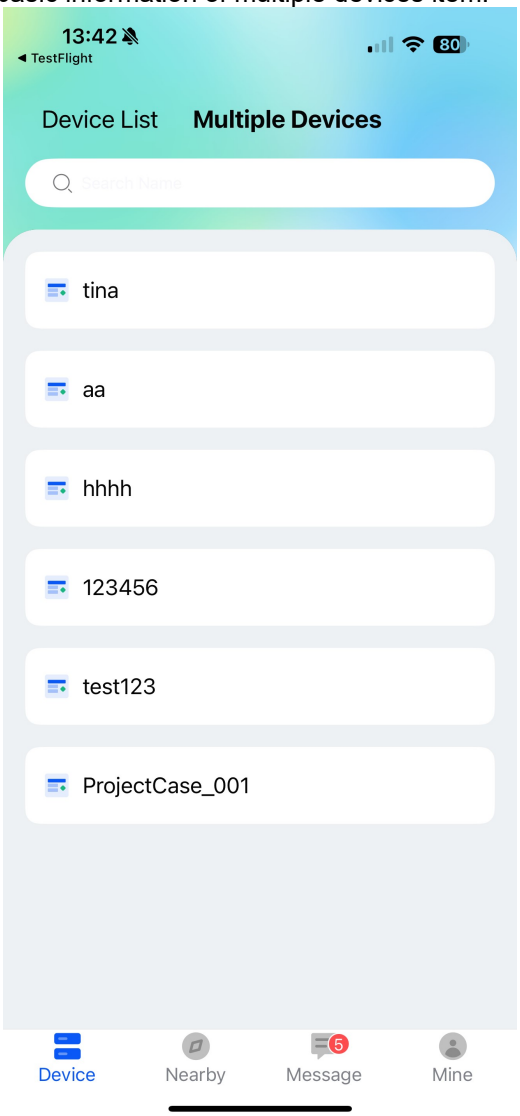
Click the icon in the left corner to configure the appropriate language and aspect ratio based on your usage habits and mobile device screen size.

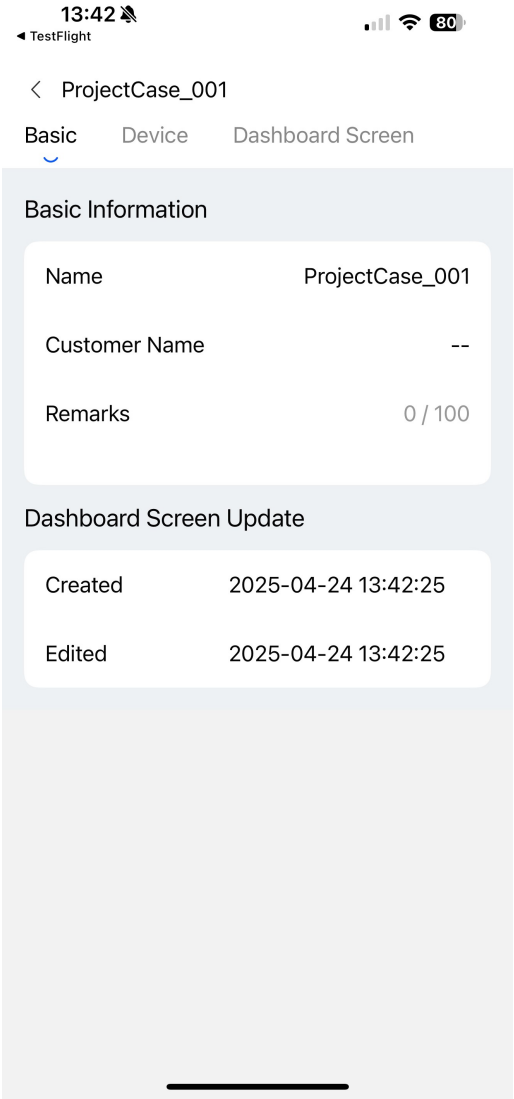

13:41
TestFlight
Prj_07_35
HMI Screen
Alarm
Dashboard Screen
Runtime Environment Setting
View
Language
Actual Size
Fit Width
Fit Window


13:41
TestFlight
Prj_07_35
HMI Screen
Alarm
Dashboard Screen
Runtime Environment Setting
View
Language
English
English
Chinese (Traditional) Legacy
Chinese (Simplified, China)

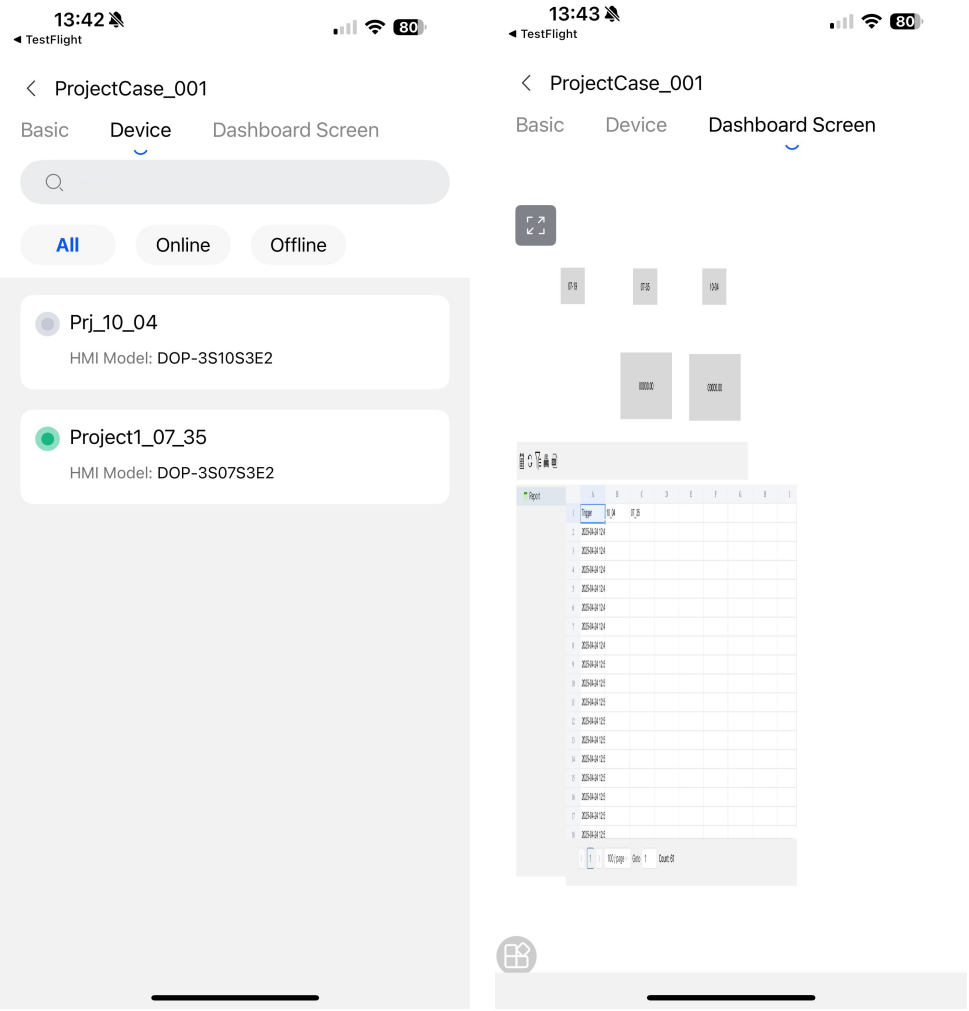
2.3.3 Multiple Devices

View the basic information of multiple devices item.





- View devices with templates on the associated platform and mobile configuration screens uploaded in DIAWebDesigner.



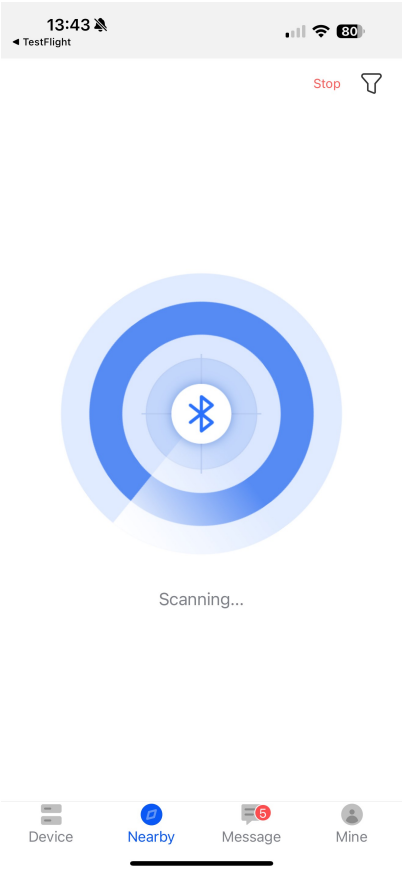
2.3.4 Nearby

This interface scans nearby Wi-Fi devices via Bluetooth.

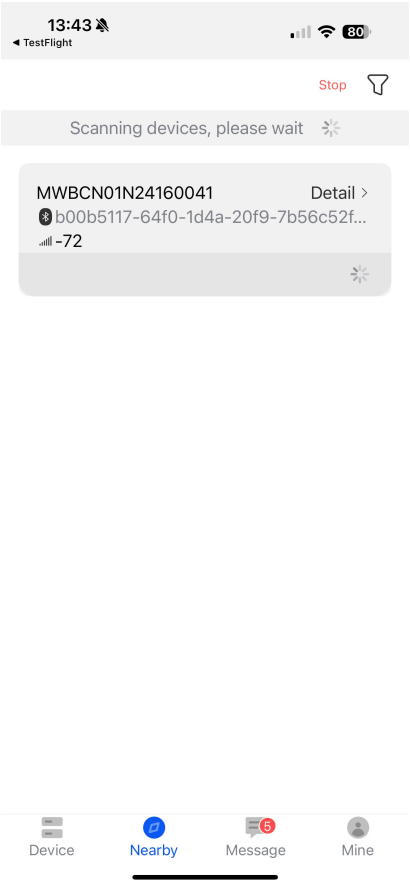
Click "Nearby Devices" to jump to the "Nearby Devices" navigation search page.

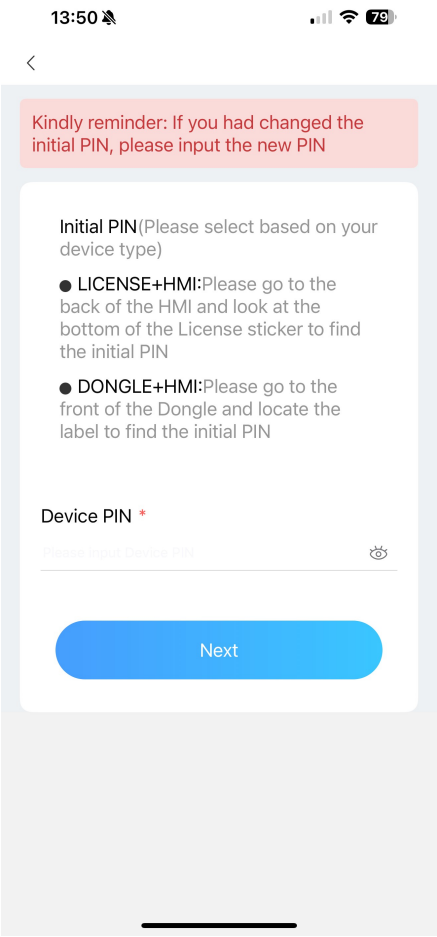
[Nearby devices] Search Wi-Fi Dongle through Bluetooth, read HMI information through Wi-Fi Dongle, select Dongle + HMI or License + HMI to bind to the account, the operation steps are as follows:

- Step 1. Power on the Dongle and configure the network such as Wi-Fi and turn on Bluetooth on the phone.
- Step 2. Find the Dongle via Bluetooth, click "Details", and the page will prompt you to enter the Dongle's PIN.
- Step 3. If the HMI is DOP300S, the page prompts the user to choose one of the two, bind the account with License + HMI or bind the account with Dongle + HMI.
- Step 4. Select any method in Step 3 and jump to the device information filling page in Step 4. Click "OK" and the HMI is successfully bound to the account. (through the method selected in Step 3)



After scanning the device, click Detail and enter the pin to bind device.



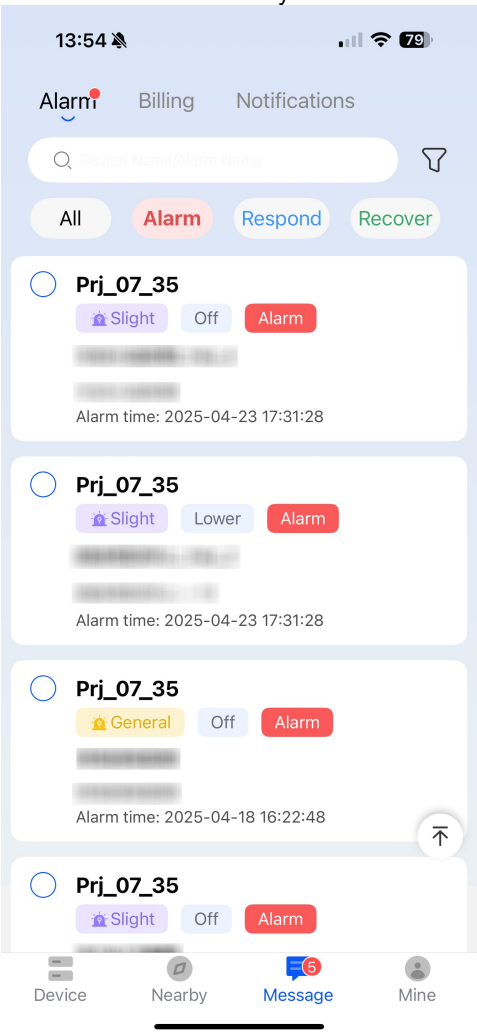

13:50
Kindly reminder: If you had changed the initial PIN, please input the new PIN
Initial PIN(Please select based on your device type)
● LICENSE+HMI:Please go to the back of the HMI and look at the bottom of the License sticker to find the initial PIN
● DONGLE+HMI:Please go to the front of the Dongle and locate the label to find the initial PIN
Device PIN *
Please input Device PIN
Next

DELTA
DELTA ELECTRONICS,INC.
MODEL: DOP-3S07S3E2
INPUT: DC +24V Class2/630mA(max)
3S07S3E26W24470002
No.18, Xinglong Rd., Taoyuan City 330477, Taiwan
MADE IN CHINA
MAC:
MAC:
MAC 3
MAC 4
XM02-403200A
PIN:
aAMxp0
Kika
DC 24V
COM 2 / COM 3

2.3.5 Message

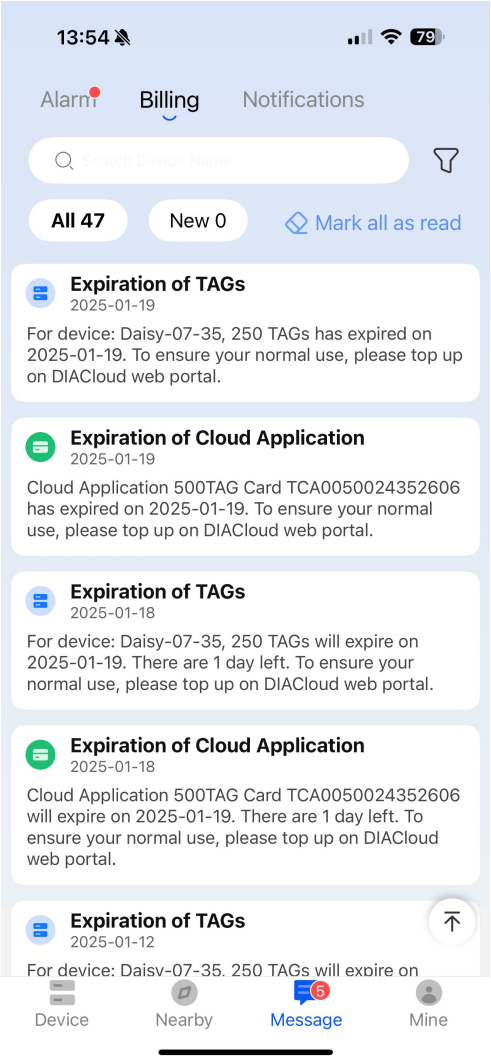
2.3.5.1 Alarm

Displays all alarms and supports batch confirmation and recovery.



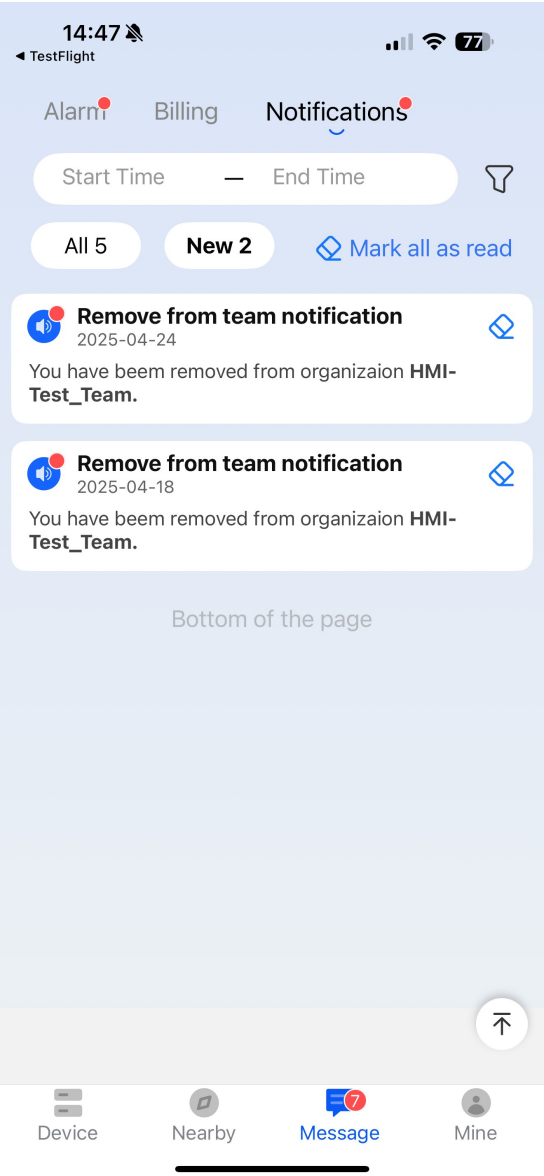
2.3.5.2 Billing

Add menu [Message-Billing] to show all unread messages.
Users can enter the billing message interface, view all unread messages by default, and switch to [All] to view all billing messages of this account.
Users can filter messages by message type (multiple choices), device name, card number, and time.
Tap [Read All]: Mark all unread billing messages under this account as read.



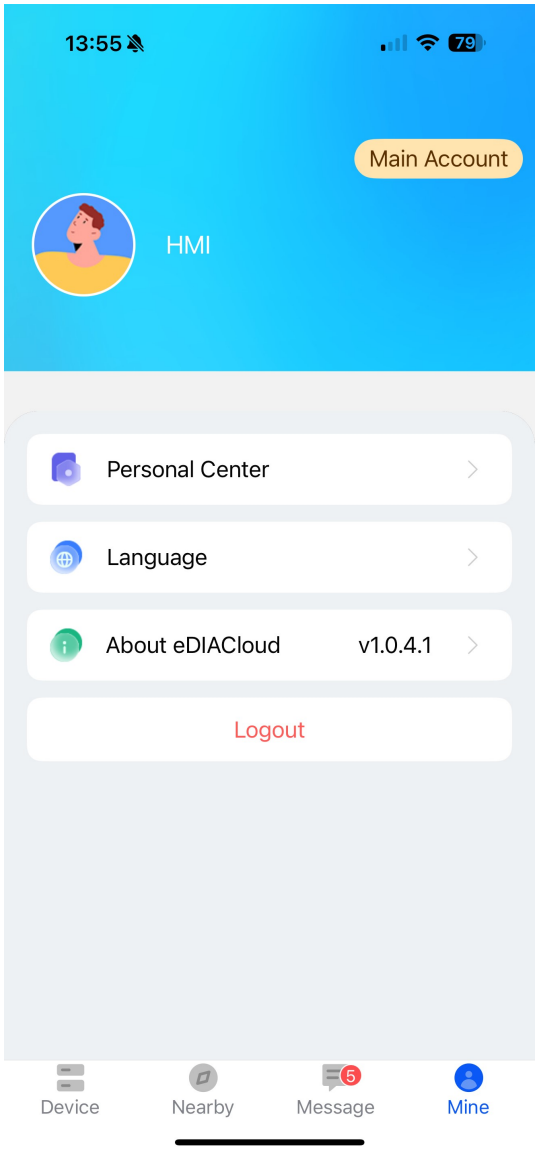
2.3.5.2 Notifications

View all system announcements.
The system announcements include users invited to a team or remove from team.


14:47
TestFlight
Alarm
Billing
Notifications
Start Time
End Time
All 5
New 2
Mark all as read
Remove from team notification
2025-04-24
You have beem removed from organizaion HMI-Test_Team.
Remove from team notification
2025-04-18
You have beem removed from organizaion HMI-Test_Team.
Bottom of the page
Device
Nearby
Message
Mine

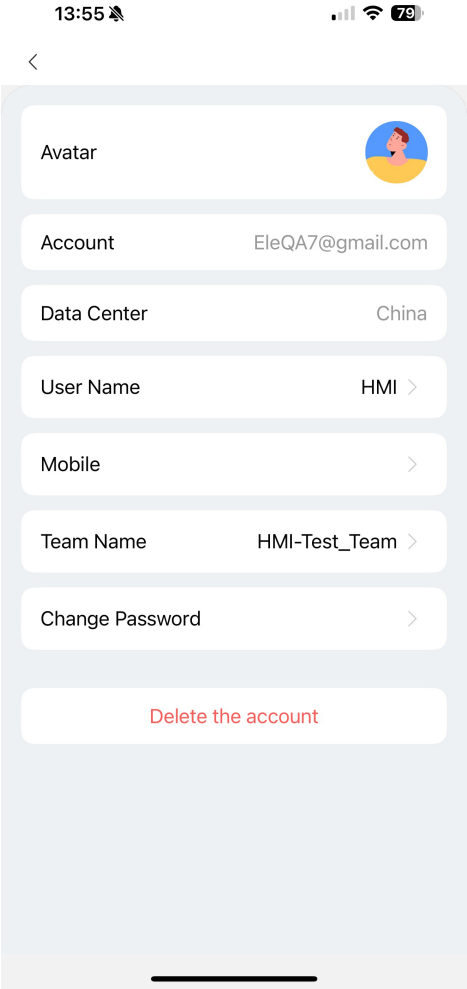
2.3.6 Mine

This page displays the software version, allows you to modify the account password and interface language, and log out of the account.



- **Personal Center**

  This page allows user to modify account information and password.



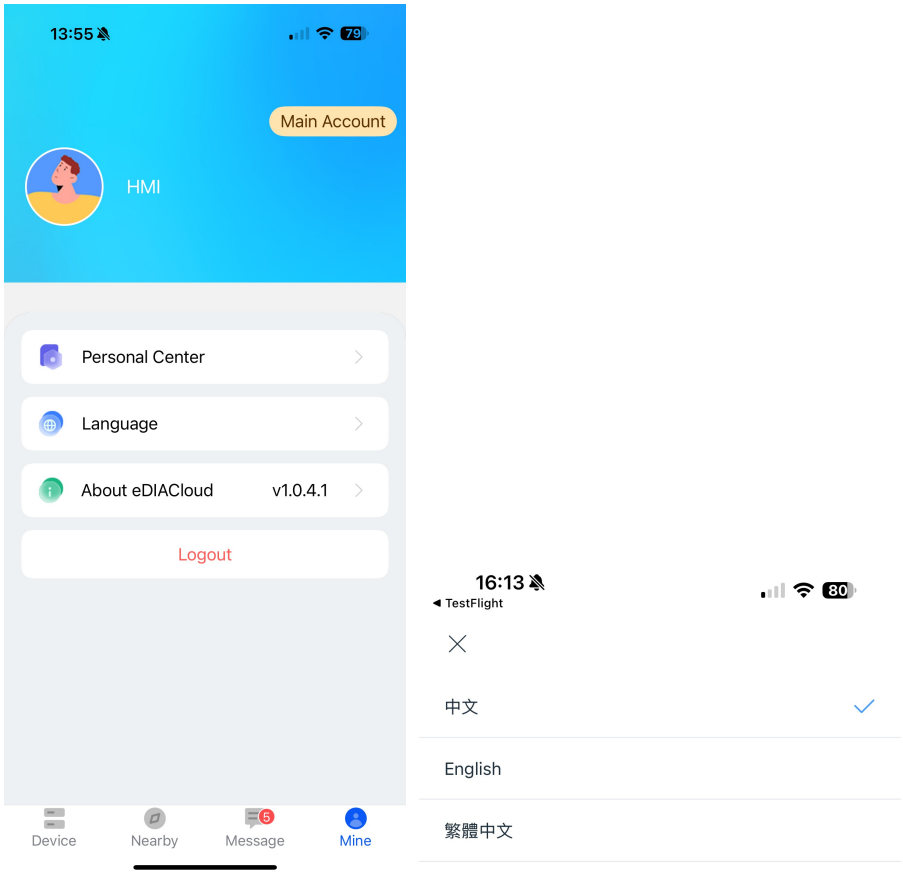
Description	Default
Account	
Display DIACloud login account.	Login account
Username	
Set username after login.	N/A
Data Center	
The data location this account is connected to.	China
Mobile	
The mobile phone number used when registering this account. Currently, it is limited to the international area code +86.	+86
Team Name	
Display the team's name of their logged-in account.	N/A
Change Password	

Description	Default
● Current password: Last login password. ● New password: Enter the new password. ● Confirm password: Enter the new password again.	N/A

2

- **Language**

This page allows the user to set the language of the software interface.



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