



WECON Remote Access System User Manual

Website: <http://www.we-con.com.cn/en>

Technical Support: support@we-con.com.cn

Skype: fcwkkj

Phone: 86-591-87868869

QQ: 1043098682

Technical forum: <http://wecon.freeforums.net/>



1. General

In the traditional concept, it is rather cumbersome and complex to remotely connect HMI via Ethernet. Users not only to consider the security issue, but also to set up complex network parameters. In addition, subject to the stage of the network environment, users have to do everything possible to think of ways through all levels of routers and switches. And an independent IP can only correspond to one HMI in tradition sense of the remote control. The WECON remote access system will solve all of those problems.

The solution of WECON HMI remote access is “Everything is possible with one network, one HMI, one cable,” No matter where in the HMI, users can easily remote access HMI through the network, to achieve exclude exceptions and resolve them in the first time. In local area network or in remote Internet, users could make HMI connect to Ethernet by one cable without setting any parameters. All complex network settings could be set by WECON remote access system.

1.1 System Features

- 1) No need to set any proxy servers, routers, or switches, simply connect one cable for Ethernet
- 2) Grading management of multiple HMI, easy maintenance and operation;
- 3) A variety of access mode, easy to use;
- 4) Multiple users could access one HMI at the same time;
- 5) A secure connection;

1.2 System components

- 1) WECON PI Series HMI (PI3000 can't support remote access);
- 2) WECON Smart APP or WECON Cloud platform

2. WECON Smart APP

This chapter introduces the use of WECON Smart APP, including user registration, user login, adding devices, purchasing products, adding devices and other operations.

2.1 login screen interface

So far, WECON Smart APP only provides English interface. The login screen as Figure 2-1 shows, users can enter user name or email address for login.

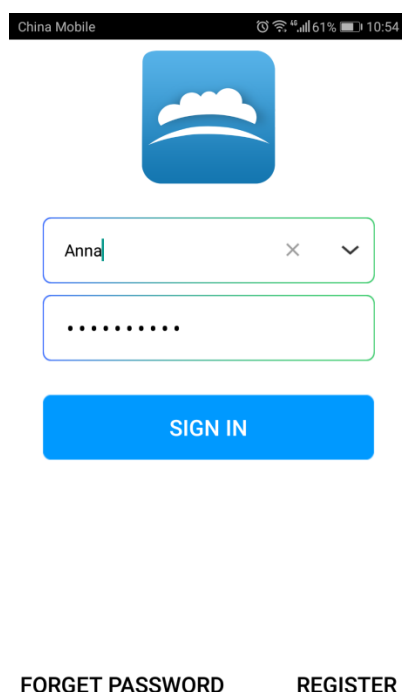


Figure 2-1

2.1.1 User Registration

Please click “REGISTER” for sign up an account; the register screens as below shows.

Operating Procedure of User registration

- 1) Enter email for registration;
- 2) Check email box for “verify code”;
- 3) Enter “verify code” to enter password setting screen;

4) Enter password to complete registration;

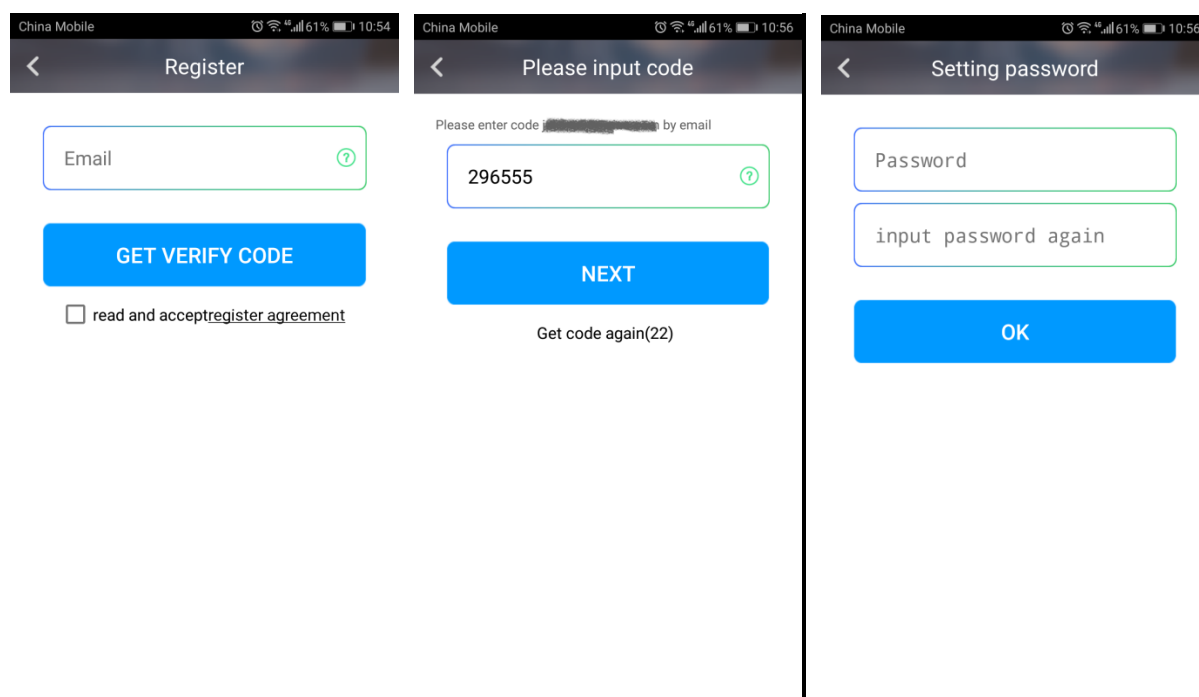


Figure 2-2

2.1.2 Forget password

Please click “FORGET PASSWORD” to change the password;

Operating Procedure of forget password

- 1) Enter email for registration;
- 2) Check email box for “verify code”;
- 3) Enter “verify code” to enter password setting screen;
- 4) Enter new password to complete password change;

2.2 Application interface

2.2.1 Device list

The main screen of application is device list, users can edit Device folder, also can view devices in every folder, and users could edit all folder and devices by click “gear” icon.

2.2.2 Add device

There are three ways to add the HMI device in the application when click “+” icon in device list.

- **New device by manual:** input machine ID by manual, the machine ID of each HMI is unique.
- **QR code:** users could scan QR code. The QR code of each HMI is unique.
- **Searching:** If the Smartphone and HMI were in same LAN, users could search HMI device directly.

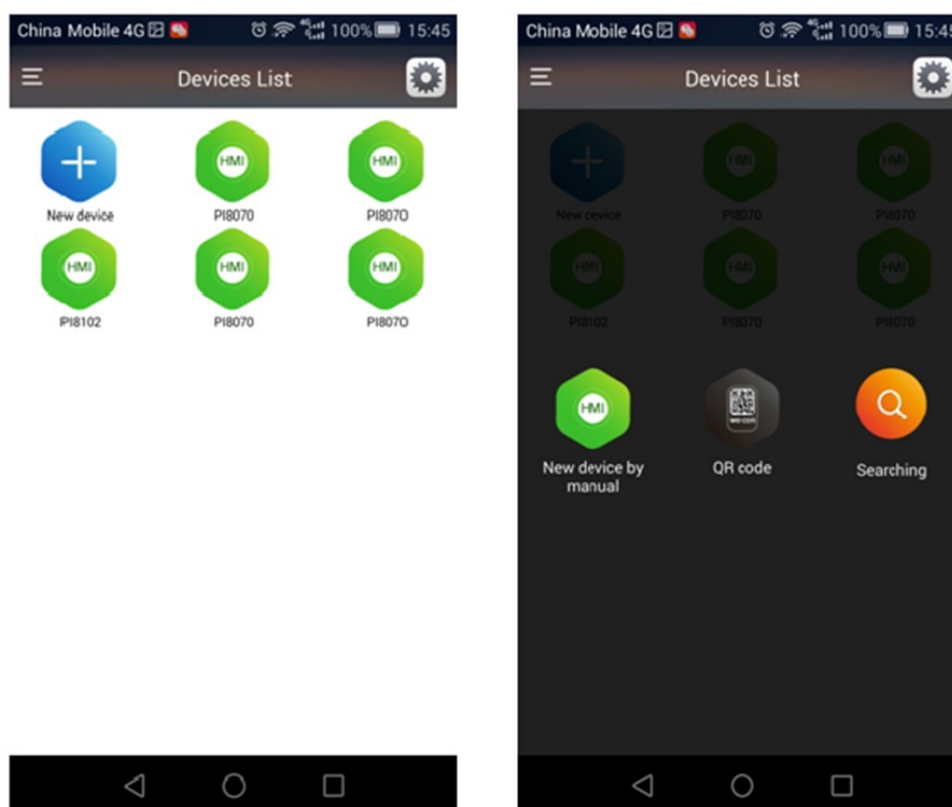


Figure 2-3

WECON remote control is a paid function; users can purchase this function according to their own needs.

1) Normal HMI model

When purchase normal HMI model, such as PI8070, it requires purchase “Cloud Monitor package” for remote access function. WECON provides 5 kinds of packages to users; the detailed please refer to [2.3.2 Product](#).

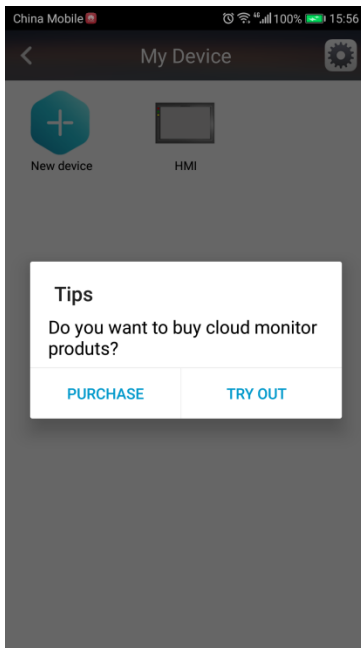


Figure 2-4

Also WECON Smart APP provides 30-minute trial for one device, so users can try this function before purchase it.

When users add normal HMI model without “Cloud Monitor” package, WECON Smart APP will display below information, as Figure 2-4 shows.

2) -R HMI model

This is special model which contains Remote access function fee. Users can directly add –R HMI model (such as PI8070-R) into Device list without restrictions.

2.3 Customers Center

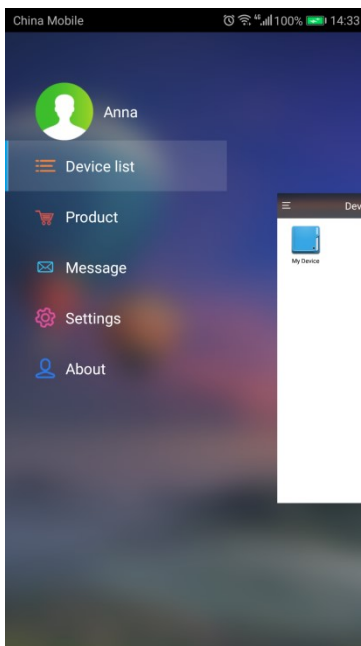


Figure 2-5

Users could click the left top corner into Customers Center; there are 5 items, the interface as Figure 2-5 shows.

2.3.1 Account Management

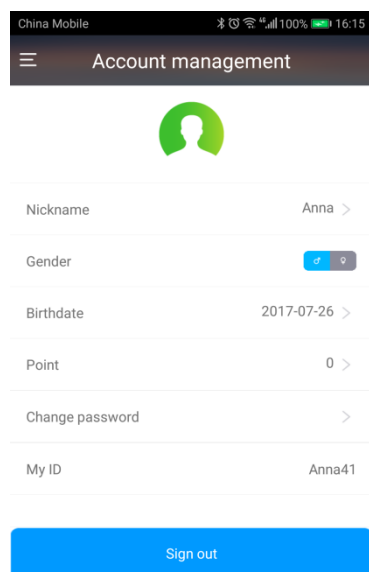


Figure 2-6

Users could modify the account information including nickname, gender, birthday, change password, and users could check account points in this interface, the interfaces as Figure 2-6 shows.

2.3.2 Product

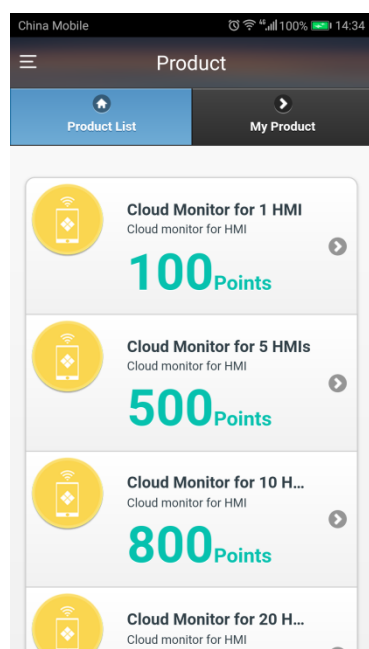


Figure 2-7

So far there are five kinds of package:

- Cloud Monitor for 1 HMI
- Cloud Monitor for 5 HMIs
- Cloud Monitor for 10 HMIs
- Cloud Monitor for 20 HMIs
- Cloud monitor for 50 HMIs

Users can purchase package according to real needs.

2.3.3 Message

It will show some message from WECON Company, such as important update and so on.

2.3.4 Setting

It used for remotely setting HMI, but so far most functions are in developing, in the future, users could update HMI firmware and projects by Setting.

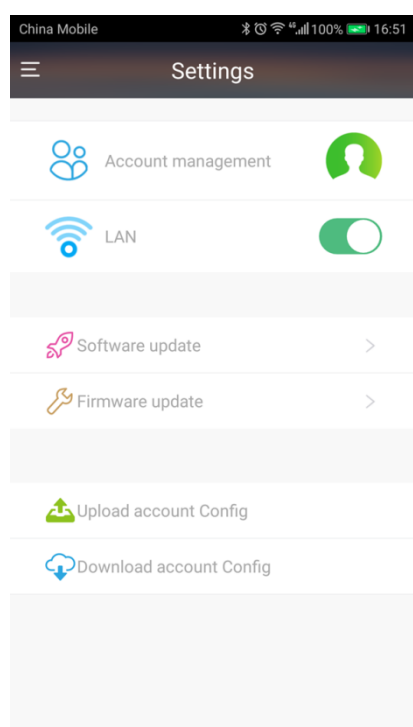


Figure 2-8

There is a LAN control button in the setting interface. When the LAN is opened, if the network of the user's mobile phone and the network of the screen are the same LAN and the same network segment, the network segment search can be added and the screen can be quickly accessed. When closing the LAN, if the user visits and the same screen of the phone network can also visit, but the speed will be slower. So using this feature depends on the user's environment.

2.3.5 About

It is used for showing APP version information.

3. WECON Cloud platform

This chapter introduces the use of WECON Cloud platform. WECON Cloud platform is not only for end-user, but also for agency.

Platform link: <http://www.weconcloud.com/>

3.1 Website requirement

- 1) The browser version must not be lower than IE8.0;
- 2) Screen resolution must be not less than 1280 * 600;

3.2 Login screen interface

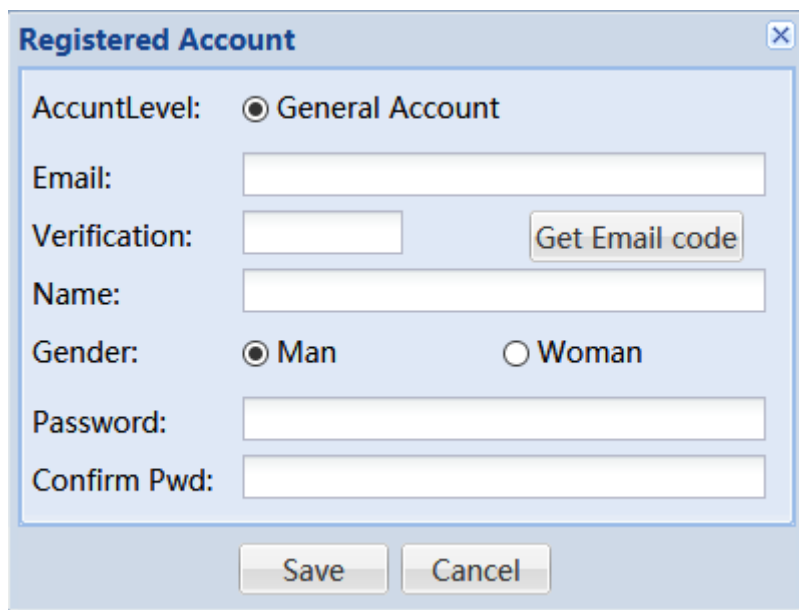
The login screen interface as Figure 3-1 shows, the operating function is similar with WECON Smart APP.



Figure 3-1

3.2.1 User Registration

Users can register account in WECON Cloud platform, the registered screen as Figure 3-2 shows.



The 'Registered Account' dialog box contains the following fields and controls:

- AccountLevel:** A radio button labeled 'General Account' is selected.
- Email:** A text input field.
- Verification:** A text input field with a 'Get Email code' button to its right.
- Name:** A text input field.
- Gender:** Two radio buttons, 'Man' (selected) and 'Woman'.
- Password:** A text input field.
- Confirm Pwd:** A text input field.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom.

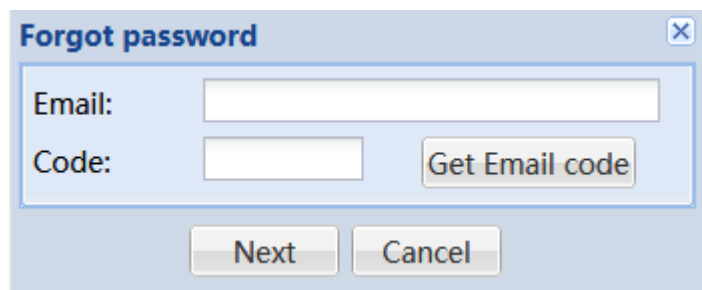
Figure 3-2

Operating Procedure of User registration

- 1) Click "Register" button to open the "Registered account" screen;
- 2) Enter required information in screen;
- 3) Click "Save" to complete registration;

3.2.2 Forget password

WECON Cloud platform also provides "Forget password" function to users. The interface as Figure 3-3 shows.



The 'Forgot password' dialog box contains the following fields and controls:

- Email:** A text input field.
- Code:** A text input field with a 'Get Email code' button to its right.
- Buttons:** 'Next' and 'Cancel' buttons at the bottom.

Figure 3-3

Operating Procedure of forget password

- 1) Click "Forgot PSW" button to open the "Forgot password" screen;
- 2) Enter Email address to get Code;
- 3) Into password change screen, and set new password;

3.3 Operating interface

The WECON Cloud operating interface for end-user as below Figure 3-4 shows.

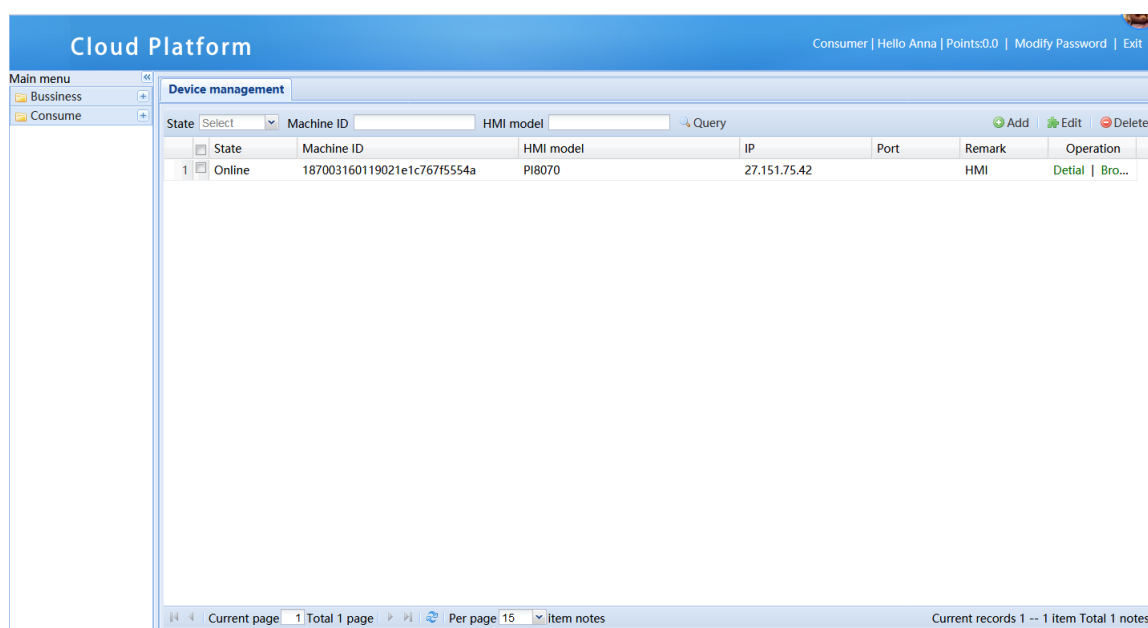


Figure 3-4

3.3.1 Interface introduction

1) Account information

On the top right of screen, it shows account information as Figure 3-5 and Figure 3-6 show;

Consumer | Hello Anna | Points:0.0 | Modify Password | Exit

Figure 3-5

Agency | Hello ewrew | Points:100.0 | Modify Password | Exit

Figure 3-6

2) Main menu

On the left of screen, it shows Main menu of WECON Cloud as Figure 3-7 shows, the left one is for Consumer, and the right one is for Agency.

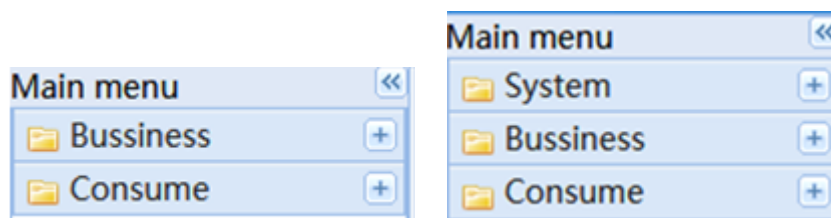


Figure 3-7

3) Main screen

The main screen will show Account management information, device management information as so on.

3.3.2 Account information

- **Customer attributes:** Consumer or Agency;
- **User name:** Hello User name;
- **Points:** point number, it is for purchase cloud monitor package;
- **Modify Password:** it is for changing password;
- **Exit:** Exit the current user;

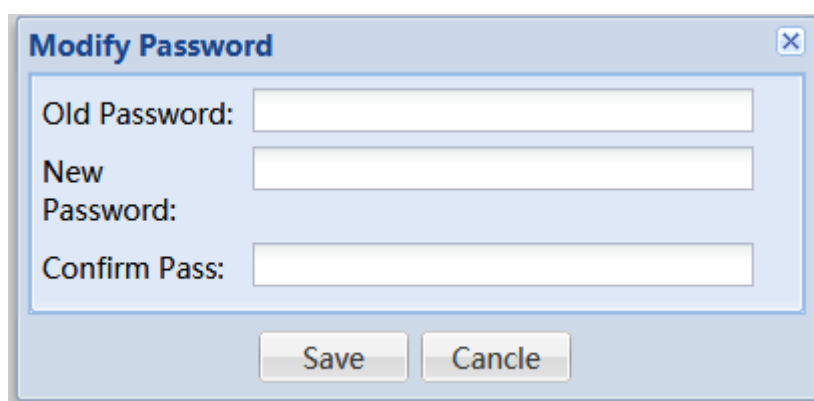


Figure 3-8

Operating Procedure of forget password

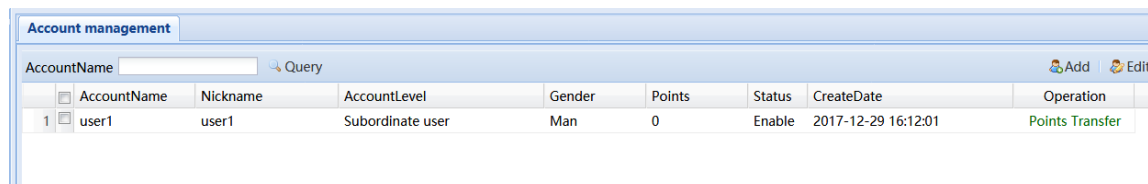
- 1) Click "Modify Password" to open the setting screen as Figure 3-8 shows;
- 2) Enter old password and new password;

- 3) Click "Save" button to complete modification;

3.3.3 Main menu

1) System

It contains Account management function, as Figure 3-9 shows. Agency can add its own consumers in this setting screen.



	AccountName	Nickname	AccountLevel	Gender	Points	Status	CreateDate	Operation
1	user1	user1	Subordinate user	Man	0	Enable	2017-12-29 16:12:01	Points Transfer

Figure 3-9

Operating Procedure of Add consumers

- 1) Click "Add" button on the top right of main screen to pop-up "Add account" screen;
- 2) Enter user information;
- 3) Set password;
- 4) Click "Save" to complete operation;

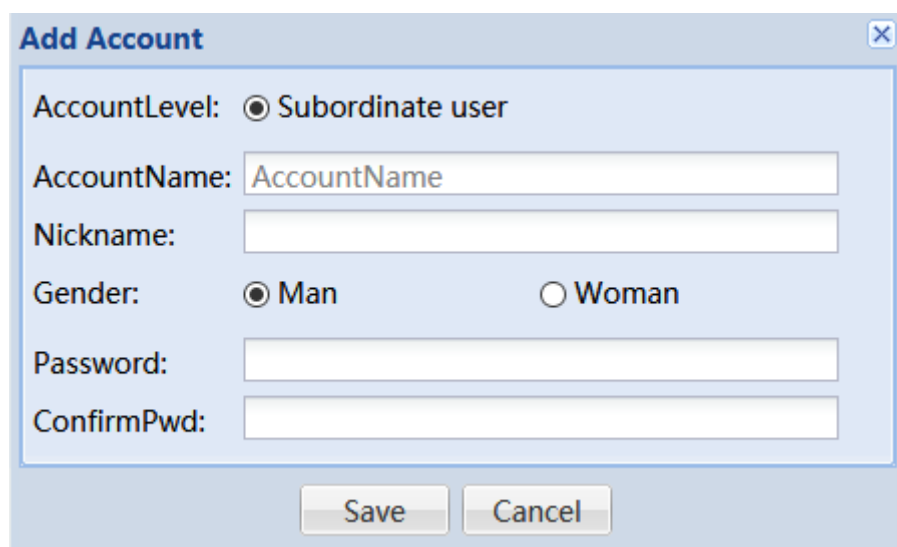


Figure 3-10

Agency also can modify its own consumers, the edit screen as Figure 3-11 shows.

Operating Procedure of Modify account

- 1) Select user;

- 2) Click "Edit" button on the top right of main screen to pop-up "Modify account" screen;
- 3) Change Nickname and Gender;
- 4) Click "Save" to complete operation;

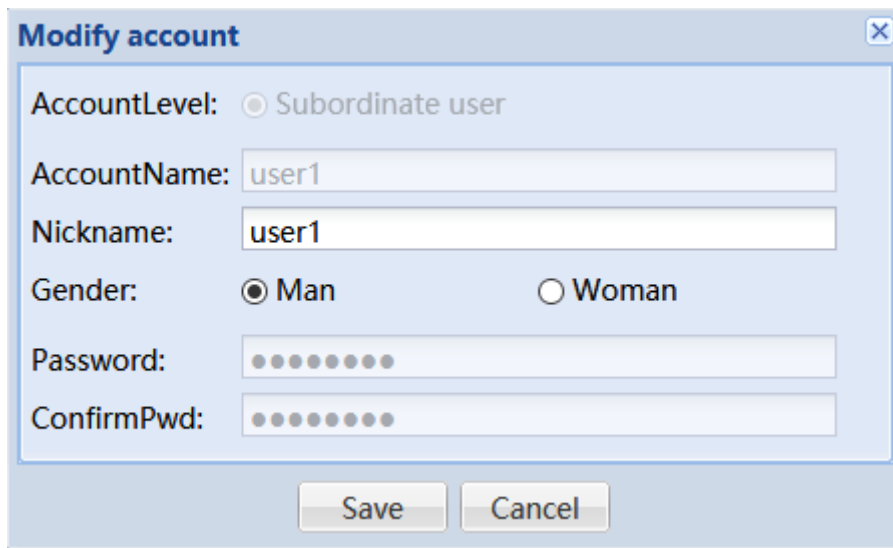


Figure 3-11

Operating Procedure of points transfer

- 1) Select user;
- 2) Click "points transfer" button on the right to pop-up transfer windows as Figure 3-12 shows;
- 3) Set the point number;
- 4) Click "Save" to complete operation;

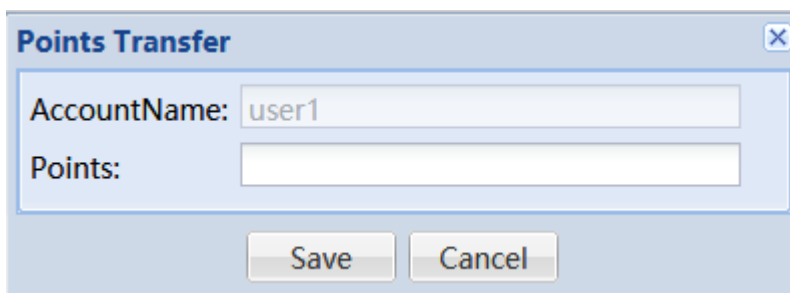


Figure 3-12

2) Business

It contains device management function, the device list as Figure 3-13 shows. Consumers can add, edit, delete and monitor device in this screen.

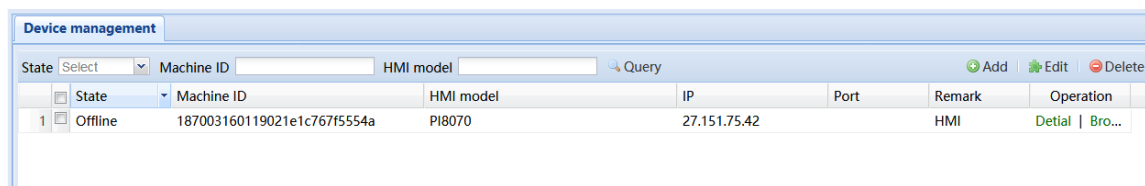


Figure 3-13

Operating Procedure of add device

- 1) Click "Add" to pop-up window as Figure 3-14 shows;
- 2) Enter Machine ID and password;
- 3) Click "Save" to complete operation;

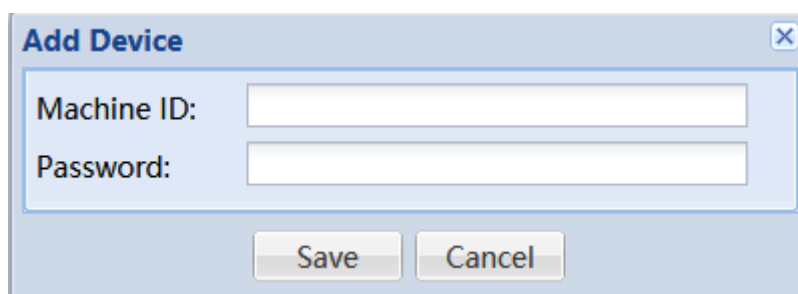


Figure 3-14

Operating Procedure of edit device

- 1) Select device;
- 2) Click "Edit" to pop-up window;
- 3) Enter password;
- 4) Click "Save" to complete operation;

Operating Procedure of delete device

- 1) Select device;
- 2) Click "delete", it will pop-up tips windows as Figure 3-15 shows ;
- 3) Click "Sure" to complete operation;

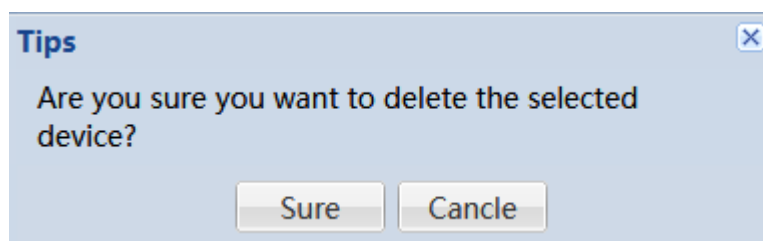


Figure 3-15

Operating Procedure of delete device

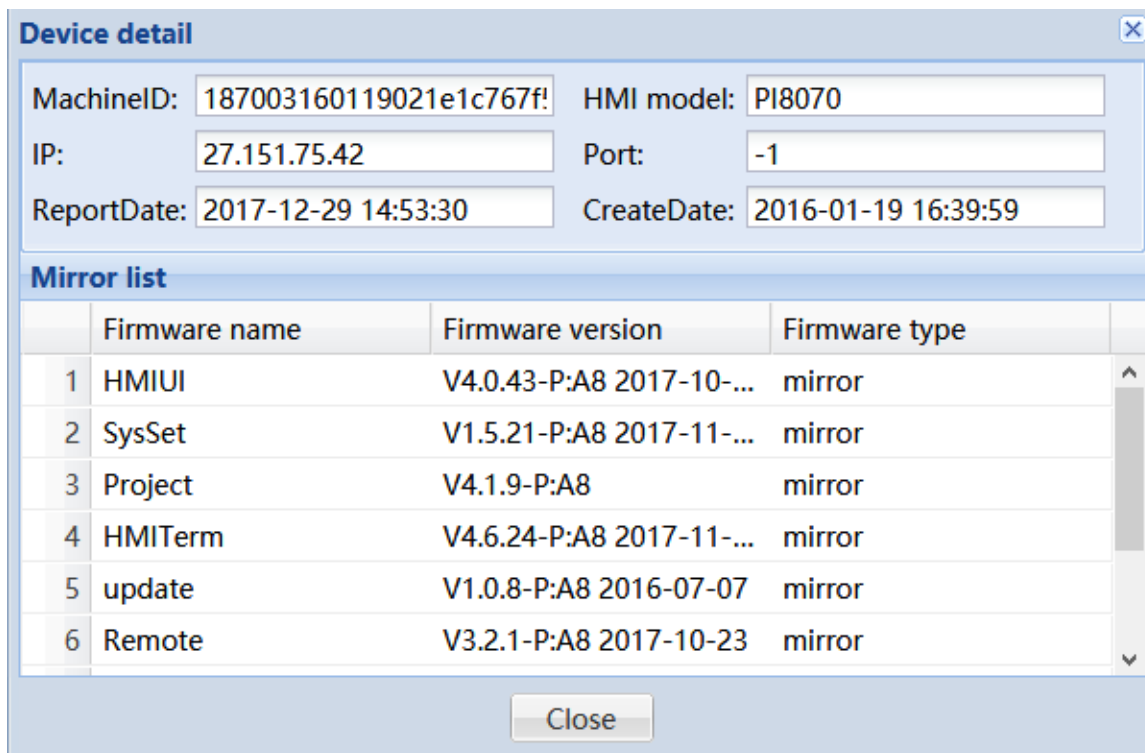
- 1) Select device;
- 2) Click “delete”, it will pop-up tips windows as Figure 3-15 shows ;
- 3) Click “Sure” to complete operation;

3) Device list

In the device list windows, it shows detailed information of every HMI device. Such as “State”, “Machine ID”, “HMI model”, “IP” and “Remark”. Also “operation” is available in device list.

● Detailed

When users click “Detailed”, WECON Cloud shows the HMI information as Figure 3-16 shows. It includes Machine ID, model, IP, port, data and HMI firmware version.



Device detail

MachineID: 187003160119021e1c767f! HMI model: PI8070

IP: 27.151.75.42 Port: -1

ReportDate: 2017-12-29 14:53:30 CreateDate: 2016-01-19 16:39:59

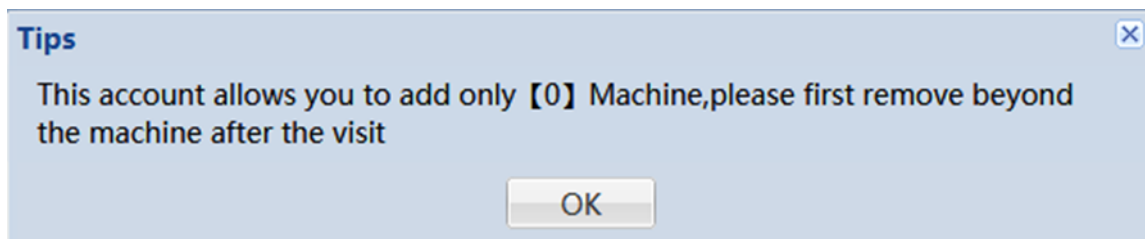
Mirror list

	Firmware name	Firmware version	Firmware type
1	HMIUI	V4.0.43-P:A8 2017-10-...	mirror
2	SysSet	V1.5.21-P:A8 2017-11-...	mirror
3	Project	V4.1.9-P:A8	mirror
4	HMITerm	V4.6.24-P:A8 2017-11-...	mirror
5	update	V1.0.8-P:A8 2016-07-07	mirror
6	Remote	V3.2.1-P:A8 2017-10-23	mirror

Close

Figure 3-16

● Brower



Tips

This account allows you to add only **【0】** Machine, please first remove beyond the machine after the visit

OK

Figure 3-17

When click “Browser”, if this account has purchased WECON Cloud monitor package, it will show HMI screen, otherwise, it shows tips information as Figure 3-17 shows.

Note: The Browser function in WECON Cloud platform has no trial features. But if users purchase “-R” product, the remote monitor function is available.

4. Q&A

1) Q: Which model could support remote access function?

A: So far, only PI8000 and advanced could support it.

2) Q: What the methods to remote access function?

A: There are three methods to remote access function, browser and WECON Smart App.

3) Q: Shall costumers set parameters in router for remote access?

A: No, there is no need to do any settings.

4) Q: Is there any requirement about browser for remote access?

A: It requires browser could support HTML5.

5) Q: How many customers could remote access HMI at the same time?

A: It supports max. 3 customers access HMI at the same time.

6) Q: Shall customers buy a independent IP for Internet access?

A: No, there is no need to buy IP for Internet access, customers just connect PI 8000 Series HMI to internet, and all will work. And add the machine ID of HMI; customers could view the HMI screen.

7) Q: Shall customers buy Internet box for remote access?

A: No, there is no need to Internet box.

8) Q: What is the difference between the-R model and the normal model?

A: The-R model can be accessed directly and unrestricted. Normal models need to buy cloud monitoring products before access. The number of monitoring normal model is limited according to the customer's purchase of cloud monitor packages.