Computer Smart Card Logon System

Network Version V3.3

catalogue

brief introduction

The computer smart card login system relies on Windows interactive credential login technology and uses a smart card as the carrier. It does not require entering a username and password, and can log in to the operating system by swiping the card. It is suitable for Win7 and Win10, and Win11 software is recommended to be installed on non system disks such as D drive.

The universal network version of the computer smart card login system is suitable for the needs of a large number of computers that require unified management. It can be managed on any computer within the network.   The supported smart cards include regular IC cards, M1 card compatible IC cards, including employee cards, student cards, access cards, and keychains.

The V3.3 version of the computer smart card login system has added multiple language versions, supporting Simplified Chinese, Traditional Chinese, English, Korean, Vietnamese, Russian, and other languages. It also supports one click copying of the card to other computers, making it more suitable for large enterprises.

Functional Features

1 Adopting a USB driver free NFC reader, it is plug and play.

2 The system is secure and reliable, deployed entirely within the local area network and not connected to any external network.

3 You can customize the login interface image and text.

4 The password input box is automatically hidden. If there is a card reader, the user and password boxes will not be displayed. If there is no card reader, the user and password boxes will be displayed.

5 Supports both card and password authentication for greater security.

6 Centralized management of network data and automatic data collection.

7 Using ordinary M1 type IC cards, supporting employee cards, student cards, access cards, etc., with strong universality.

8 Each system comes standard with 3 smart cards, and the maximum number of smart cards supported is unlimited.

9 Support login configuration for 2 time slots 7 days a week.

10 Swipe card login, no need to enter username and password.

11 Supports Win7, Win10, and all versions of Win11, including 32-bit and 64 bit.

12 Each card can have a separate expiration date.

13 The software records the time of each login and can be queried within the software.

14 Support automatic screen lock or logout and shutdown configuration beyond the specified time period.

15 Support automatic screen lock or logout when the card leaves, and shutdown configuration.

16 Add login to domain and support one click modification of domain password.

17 Distributing management permissions to groups is more conducive to departmental management.
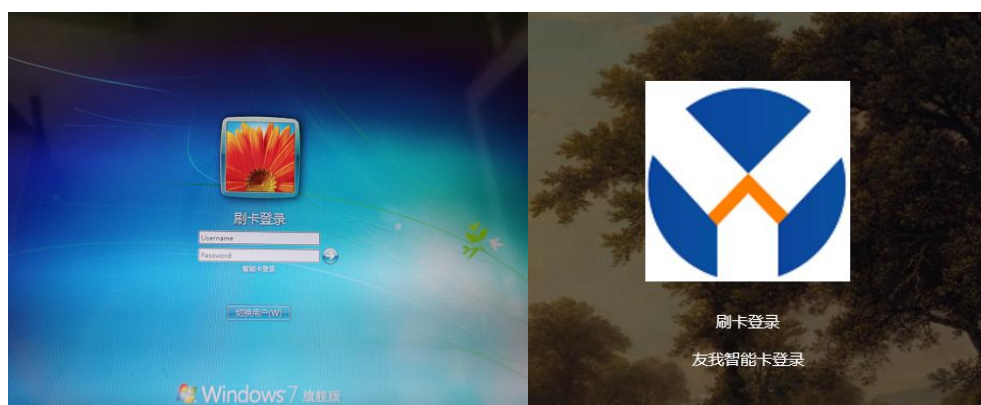
Win7 login interface Win10 login interface

The general network version software of the computer smart card login system is divided into server-side and client-side. The server-side is used for unified management, card configuration, computer configuration, data distribution, data uploading, and viewing login data of various clients. The client is used for functions such as computer login and data collection and upload.

The general network version software for computer smart card login system must first install the server-side software, and then install various

client software.

Server side installation

The server must meet the following conditions:

1 Internet Information Services (IIS) is already installed.

2 Equipped with net frame 4.0 or above.
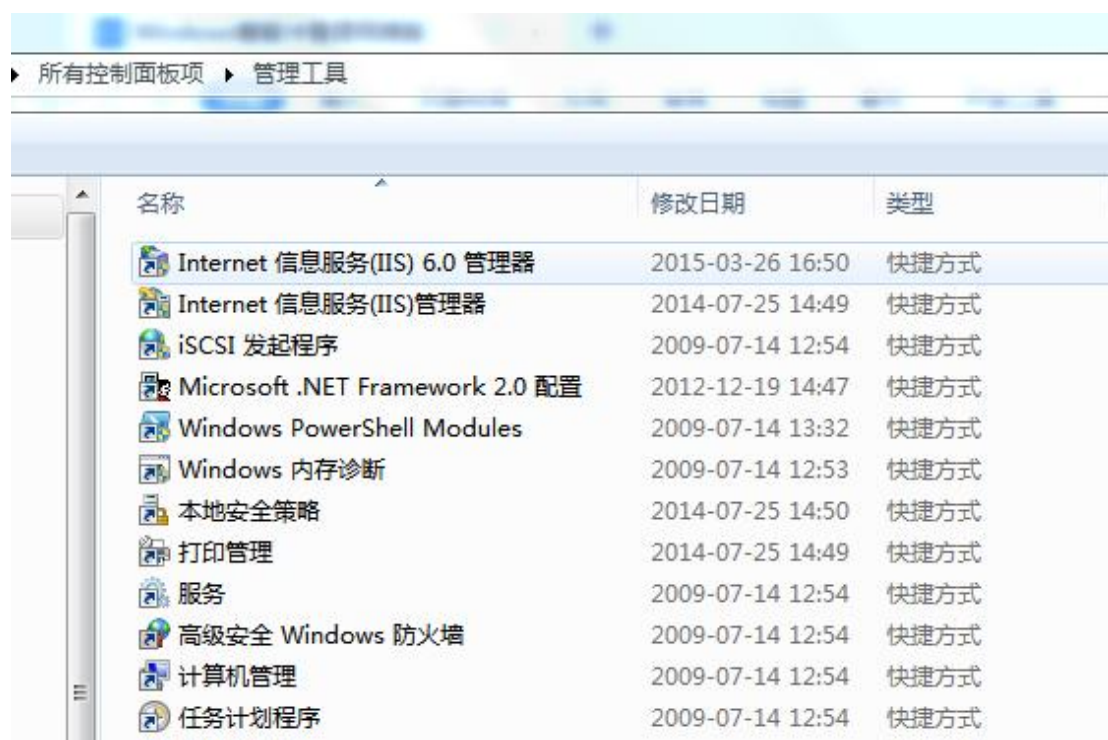
Server side installation steps

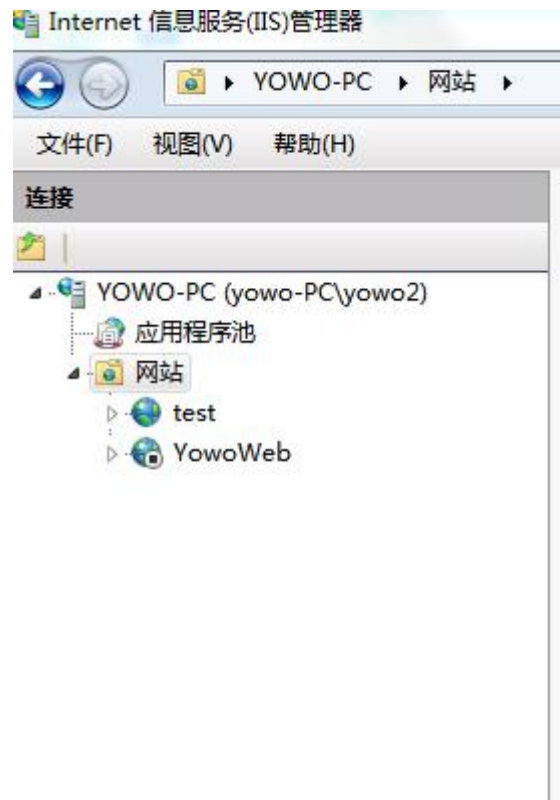1 Copy all server-side files to a directory on a non system disk

   For example: G: \ test \ forweb

2 Open IIS Manager

   In the Control Panel - Management Tools, after clicking, the following interface appears:

Double click on Internet Information Services (IIS) Manager, and the IIS Manager interface will appear:

You can see the website here. Right click and add website

Website name: Fill in a custom name, such as YOWORFIDWinLogonServer

Physical path selection server-side file directory: G: \ test \ forweb

Type: http

IP address, select the dropdown list and choose the IP address that this chassis can access, such as 192.168.1.101. Note that this IP must be a fixed IP and cannot be dynamically assigned.

Port: 80 (can also be modified to other numbers less than 65535, as long as there is no conflict, it is recommended to choose port 80 directly)
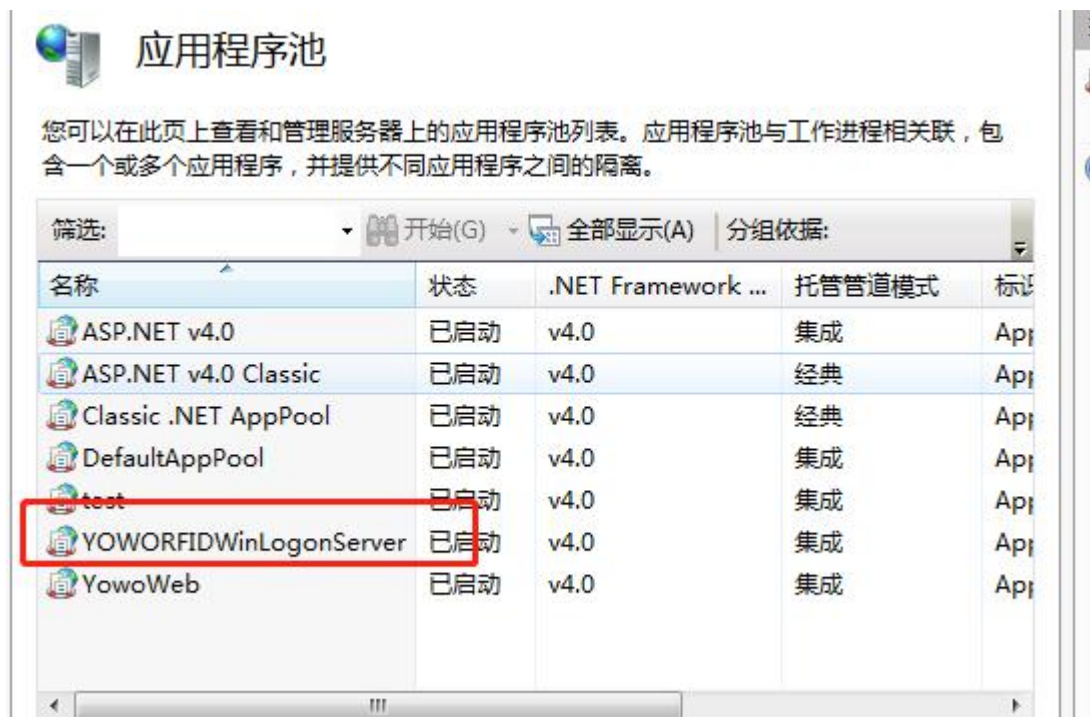

All configurations are as shown above. Click OK and a website named YOWORFIDWinLogonServer will be generated in the website list on the left
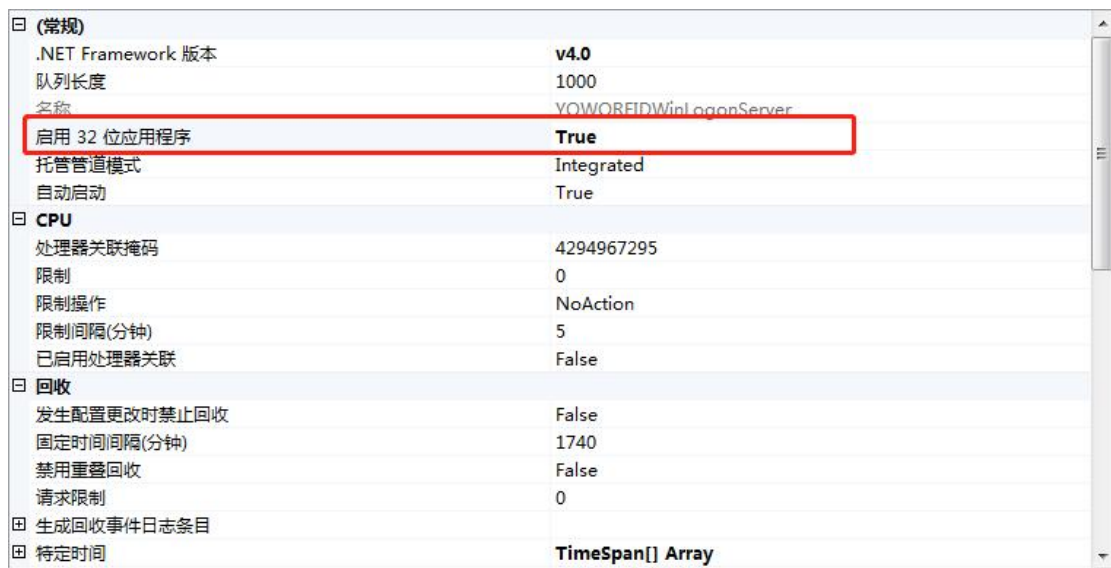
It should be noted that the application pool can be accessed by clicking on it in the IIS interface
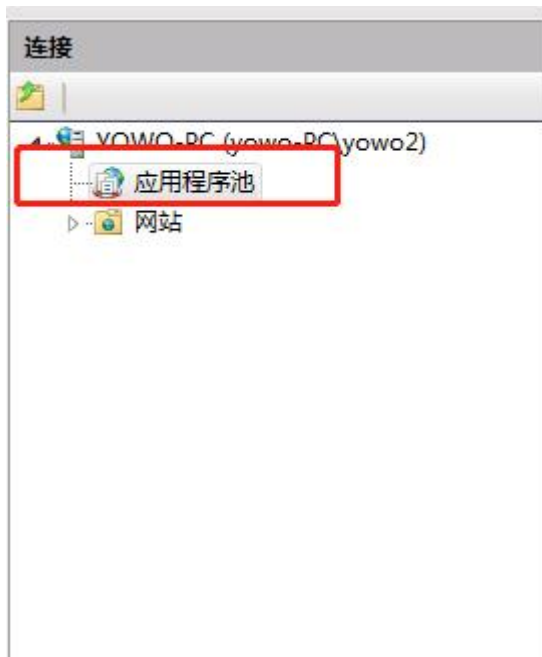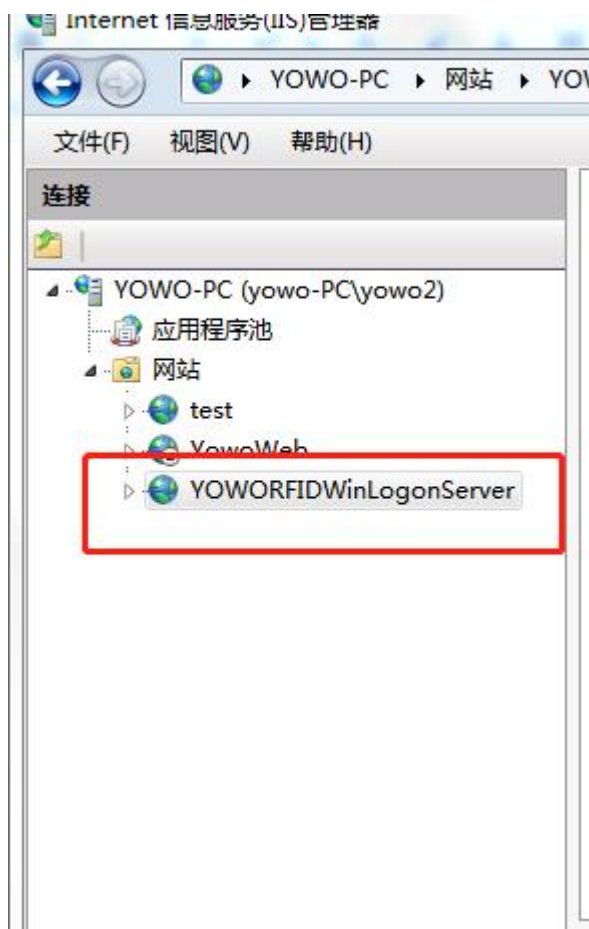
Click on the application pool:

Right click on the application pool that was just generated and select
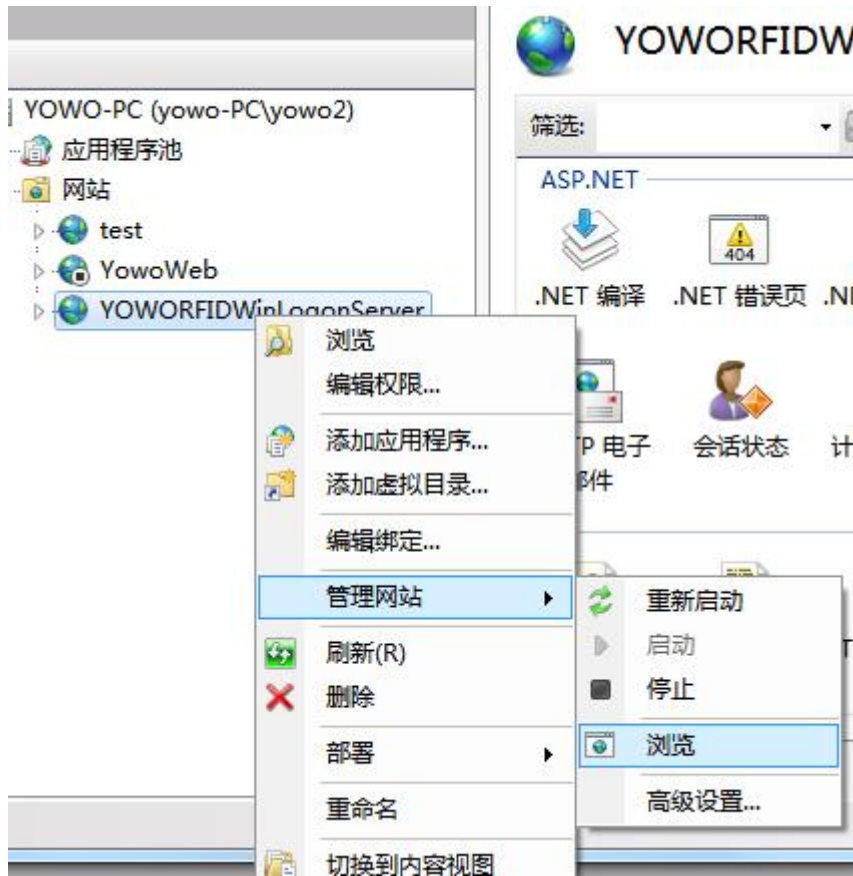
Advanced Settings:

To launch a 32-bit application here, be sure to select True.

At this point, you can right-click on the website and select Browse:

Open the website using Google Chrome or Firefox browser, and the following interface will appear, indicating successful installation of the website.
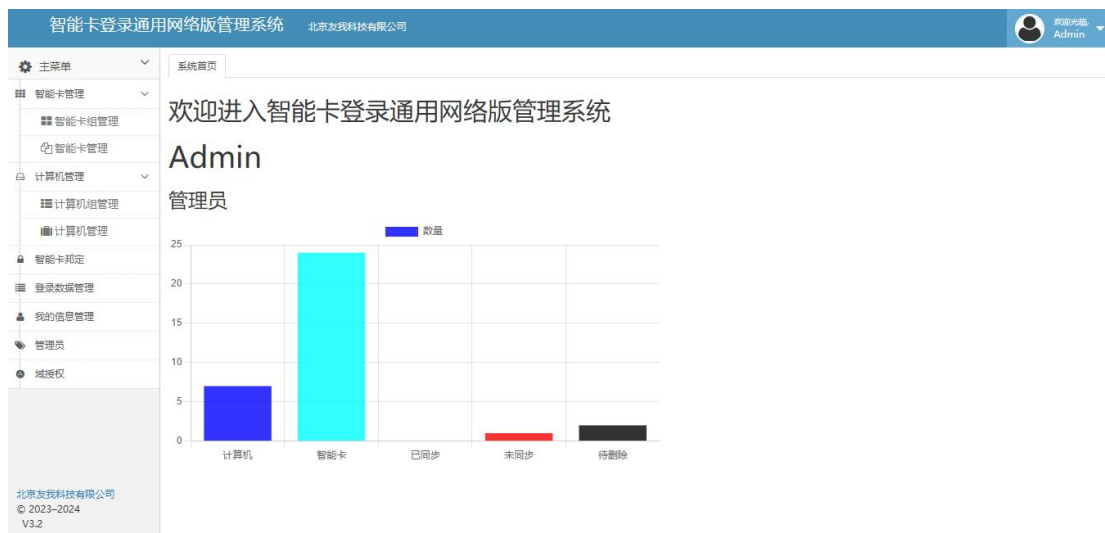
Using any computer within the network, enter   http://192.168.1.101 The IP may vary depending on the IP address selected during installation.

As long as the login interface appears, it indicates a successful connection.

Default username: Admin

Password: admin

Click login to enter the system configuration interface:

This displays the username and group permissions. If it is Admin, then it is an administrator with all permissions.   If it is a group administrator, display the names of the groups with permissions.

So far, the server-side installation has been normal. Once the IP address and group number are known, the client-side installation can proceed.

Client installation

Run the installation file SmartCardLogonsetup (LanGeneral). exe,
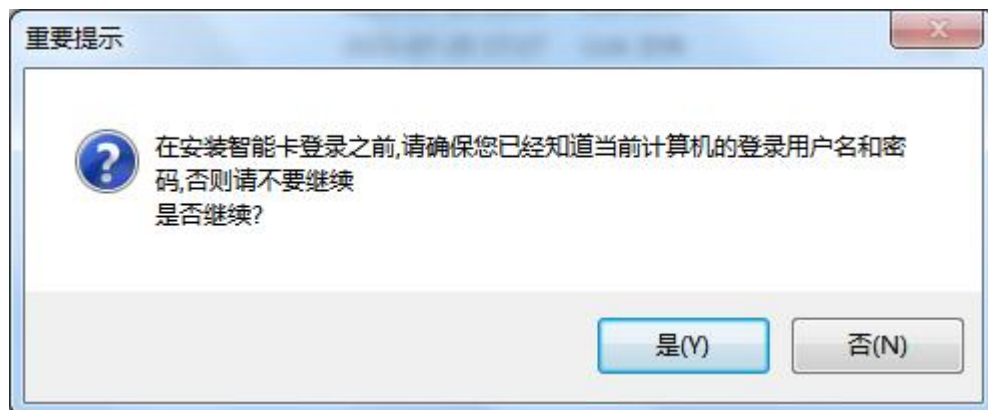
Prompt if you have set a password login for this computer. If you know the password, click Yes. Otherwise, click No to set a login password for this computer first.

Next, until the installation is complete, the configuration interface will automatically pop up

Encoding: The system automatically calculates the current computer code for differentiation on the management system.　You can also click the button on the right to generate a new code. If you need to manually modify the code, you can hold down the Ctrl key and use the left mouse button to click on the code input box to activate the input code box. You can freely input the code.　The encoding must remain unique throughout the entire system. Once the encoding is determined and has already taken effect in the server-side web system, please do not modify it arbitrarily, otherwise it will result in data synchronization failure.　If the encoding is modified midway, the relevant parameters of this encoding need to be reconfigured on the server side.

URL: The address of the software installed on the server, which is the access address entered in the browser.

Computer group: modifiable. After clicking on the test connection, the software will update the computer group set from the server. The group can be changed, making it easier to assign group permissions.   I thought that group administrator management and maintenance of corresponding group functions were added starting from V3.2 version.

Buzzer beep: When logging in with a card, does the buzzer of the card reader need to beep.   For environments that require quietness, please do not choose the buzzer to sound.

Current Windows login password: After filling it out, it can be synchronized to the server side, so that the server side does not need to fill in the login password, reducing the possibility of errors.

Click on 'Test', if the connection is successful, a window will pop up indicating successful connection. Then click 'Save', which must display 'Save Successful' before closing the window.

At this point, the client software installation is complete and no further settings are required.

When a computer logs into a domain, based on the domain password configuration policy, it is necessary to modify the domain password for customer login. The system provides a domain password modification tool for changing the domain password and synchronizing it to the login system backend, which can reduce the workload of IT personnel.

Using the desktop shortcut 'Change Domain Password' or running

the ChangePassword.exe file will display the following interface:

Place the login card on the card reader and run the software. The password can only be changed if all three items above are passed. If it shows a failure, check the network connection or verify if the backend domain server is authorized.   Then enter the new password, click on 'Change Password', and pay attention to the complexity of the password, which must meet the password complexity configured by the domain server.

Server side software operation

The main interface of the server-side software after logging in is as follows:
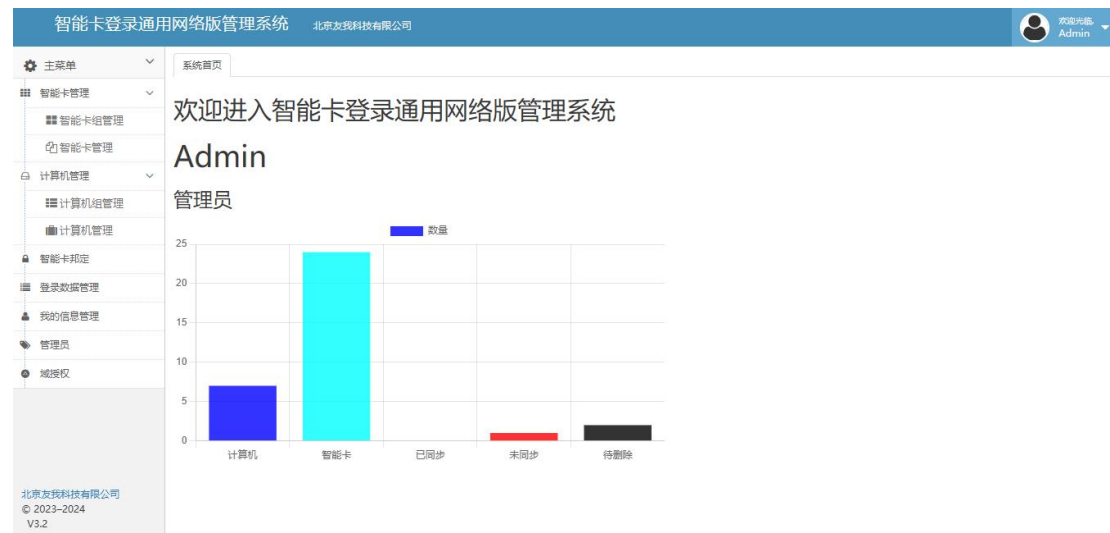
Including the following management modules

Smart card group management

Smart card management

Computer Group Management

computer management

Smart card bonding

Login Data Management

My Information Management

Administrator management

Domain authorization

Smart card group management

Click on the main interface of smart card group management as follows:

This page allows you to add groups for smart cards. Click 'Add' to add a new group. This group is only for the convenience of smart card management, such as departments, classes, departments, etc. Each group can be assigned an administrator, who can only manage the operational permissions of the relevant group.

Smart card management

Click on the main interface of smart card management as follows:

Click the add button to add a new smart card

读卡没反应，请点击下载读卡插件

卡号	0000000000	▶读取卡号

持卡人　姓名

电话　电话

证件　证件

地址　地址

域用户名　域用户名，选填

域密码　域密码，选填

所属组　默认组(Default) ⌄

✖关闭　💾保存

If the Youwo Technology smart card login network version card reader management program has been installed and the YW-DL login card reader has been inserted, and the card to be added is placed, you can directly click to read the card number.

If you haven't installed the Youwo Technology Smart Card Login Network Edition Card Reader Management Program, click Download. After installation is complete, refresh the interface to use the card reading button.

Fill in the corresponding cardholder information and save it.   If the prompt is successful, the save is successful.

All available smart cards can be added to the system.

After adding, there is a corresponding list of smart cards in the smart card management interface:

On the right side, click Edit to modify the cardholder's information or click Delete to delete the smart card.

Click the Batch Import button:

According to the Excel format file, edit the Excel file to import the card number file.

Computer Group Management

Click on Computer Group Management, the main interface is as follows:

This page allows you to add computer groups. Click on 'Add' to add a new group. This group is only for the convenience of computer management, such as departments, computer rooms, departments, etc. Each group can be assigned an administrator, who can only manage the operational permissions of the relevant group.

computer management

Click on Computer Management, the main interface is as follows:

If a terminal computer has already been added, the list of terminal computers will be displayed here. If it has not been added, you can click

the add button to add the computer.

If the client program is installed on the client computer, enters the configuration interface, and clicks the test button, the list information of this client computer will be automatically displayed here, and there is no need to add it again.

Enter the corresponding computer information, and the computer code needs to be viewed from the client configuration program. Enter the relevant computer login information and click save.

In order to facilitate users to log in using domains, and sometimes the IT department needs to log in locally, we need to fill in two domains here, the computer AD domain and the local domain. If there is no AD domain, only the local domain needs to be filled in.

The local domain login uses the computer username, computer

password, and local domain here.

The AD domain login uses the domain username, domain password, and computer AD domain of the card information.

For networks without an AD domain, a computer may have multiple local usernames. In this case, the AD domain can be filled in with the local domain, and the domain username and password can be filled in with the local username and password on the card information. When binding, the card domain password can be selected to enable a computer to log in with multiple different usernames.

After successful saving, the current list will display a list of computers that have been added:

The four buttons on the right side of the list are:

Edit Information: You can edit the computer information in the row, including computer login passwords, etc.

Lock screen mode: Modify the processing mode of the computer when it is not in the current time period or when it is stuck away.

Divided into no processing, screen lock, logout, shutdown, and shutdown after prompt shutdown.

Login interface: You can configure the image and text of the login interface

Delete Information: Delete the current computer, and once deleted, information management for this computer will no longer be possible. Please delete with caution.

Computer combination

Computer combinations are suitable for situations where multiple computers are logged in or locked at the same time. For example, if 5 computers are set up as a combination and all 5 computers are bound to the same smart card, swiping the card to log in on any one of them will automatically log in to the other 4 computers. If the card is taken away and the lock screen is locked, the other 4 computers will also lock the screen at the same time.

Firstly, it is necessary to add a main computer:

After saving, the current host will be displayed:

Click on 'Add Computer' to combine other computers with the host.

In this way, these two computers become a combination that can achieve simultaneous login or screen lock operations.

Click the delete combination or remove button from the device to access the combination at any time.

The computer combination function requires real-time use of the network. If one of the networks is disconnected, the disconnected computer cannot achieve the current function.

Smart card bonding

Click on the smart card bond to display the main interface:

The smart card bonding interface displays a list of all computers. Clicking on the+in front of the list will display all the smart cards currently bonded to the computer.

Click the add card button to add other smart cards to this computer.

Check the box on the left and click save.

You need to choose a password method here:

Computer password: Use the username and password in the computer configuration to log in.

Card domain password: Log in using the domain username and password in the card management.

Then the list will add the selected smart card.

The status bar of the smart card list displays synchronized and

unsynchronized. Synchronized indicates that the data information has been sent to the terminal computer, and it will take effect after the terminal computer locks or restarts next time.　　Not synchronized indicates that the card information has not been sent to the terminal computer yet.

　　Click the add group button to add all smart cards in the group to this computer.

　　Select the groups that need to be added and save them.　　This method is suitable for batch operations.

　　Copy Card to Other: All cards of the current computer can be added to other computers.

　　There are two buttons on the right side of the smart card list,

Configure and Remove.

Click on the configuration button:

有效期　　2033-02-17
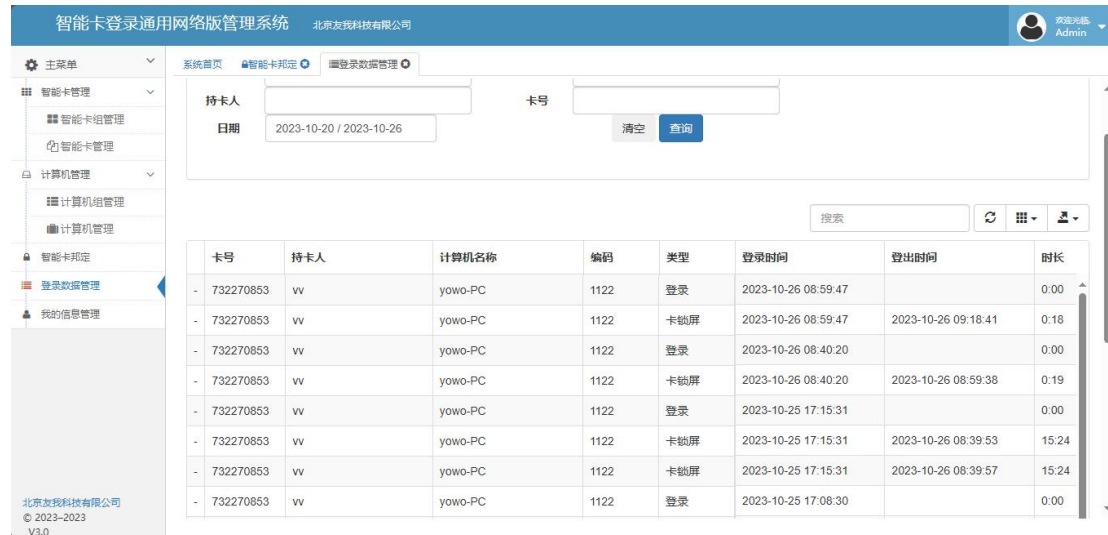
星期	有效时段一		有效时段二	
·	开始时间	结束时间	开始时间	结束时间
一	00:00	01:05	00:00	00:00
二	00:00	23:59	00:00	00:00
三	00:00	23:59	00:00	00:00
四	00:00	23:59	00:00	00:00
五	00:00	23:59	00:00	00:00
六	00:00	23:59	00:00	00:00
日	00:00	23:59	00:00	00:00

You can configure the validity period and login time period of the current card on this computer. From Monday to Sunday, you can configure 2 time periods per day. If it is not within the time period, you cannot log in to the computer.　If you have already logged in but have exceeded the time period, you can also use the computer's lock screen to configure the computer's processing method beyond the time period.

Remove: The remove button can remove the smart card from the current computer login list and prevent it from logging in to the computer.

Login Data Management

Click on the login data management button on the right to query the list of computer logins and lock screens within the system.
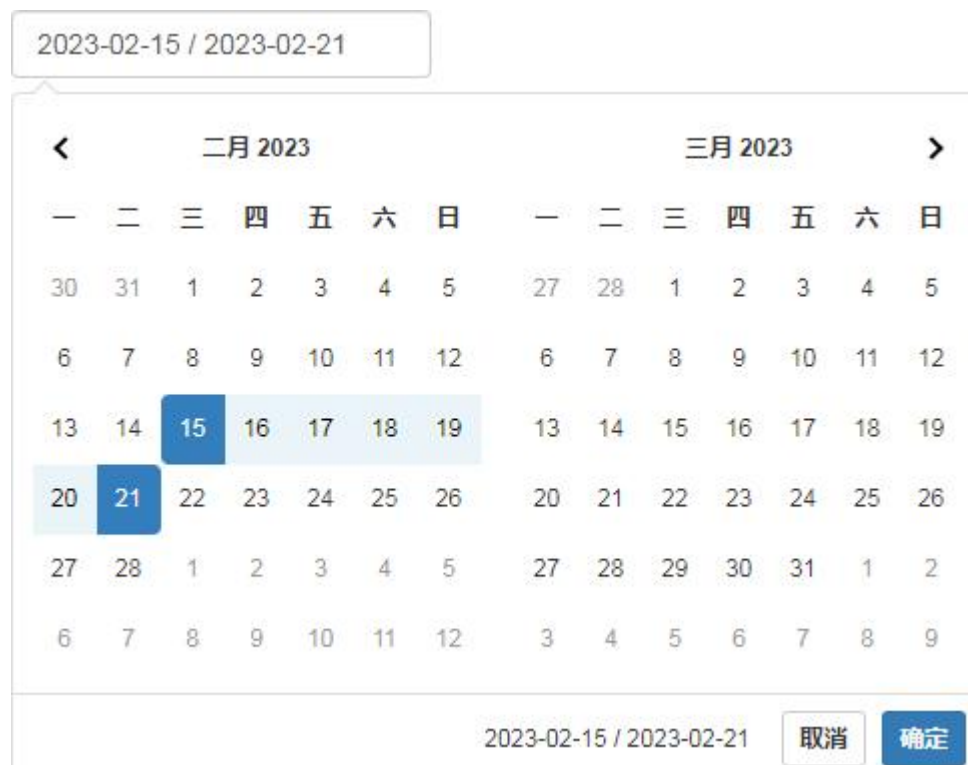
Click on the date range to select all login data within a certain time period.   It can display login time, logout time, and usage duration.

My Information Management

Click on 'My Information Management' to display all the information of the current user, and you can also change the password.

Click to change password:

After entering the original password and the new password, the password

must be between 5 and 13 digits, click confirm to save.

Administrator management

Admin administrators can add, delete, and modify administrators here for allocation to group administrators. Administrators assigned to groups have maintenance permissions for the current group. If not assigned to a group, newly added administrators have no permissions.

Domain authorization

When changing the domain password on the client side, domain administrator authorization is required. Enter the domain administrator username and password here. This authorization will be used when the client uses the domain password change tool to change the password. The authorization information will be stored in ciphertext in the system.

System default parameter settings

Default parameters can be configured to automatically assign values when adding computers. These default parameters are only valid when adding a computer for the first time.

以下默认值仅在计算机首次增加时默认赋值

计算机AD域	yoworfid	保存

登录图片

 选择图片 请选择jpg或者png图片，标准尺寸128*128

第一行	11212	保存
第二行	YOWORFID	保存

密码输入　　◉ 自动 ○ 一直显示 ○ 不显示 ○ 卡密双验证　　保存

时间超过设定时段计算机
的处理方式　　○ 不处理 ○ 锁屏 ○ 注销 ◉ 关机 ○ 关机提示后关机　　保存

卡离开时计算机的处理方
式　　○ 不处理 ○ 锁屏 ○ 注销 ○ 关机 ◉ 关机提示后关机　　保存

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