

Connect the RTMU86 to the ZK access controller board via Wiegand interface Quick Start Guide

1. Introduction

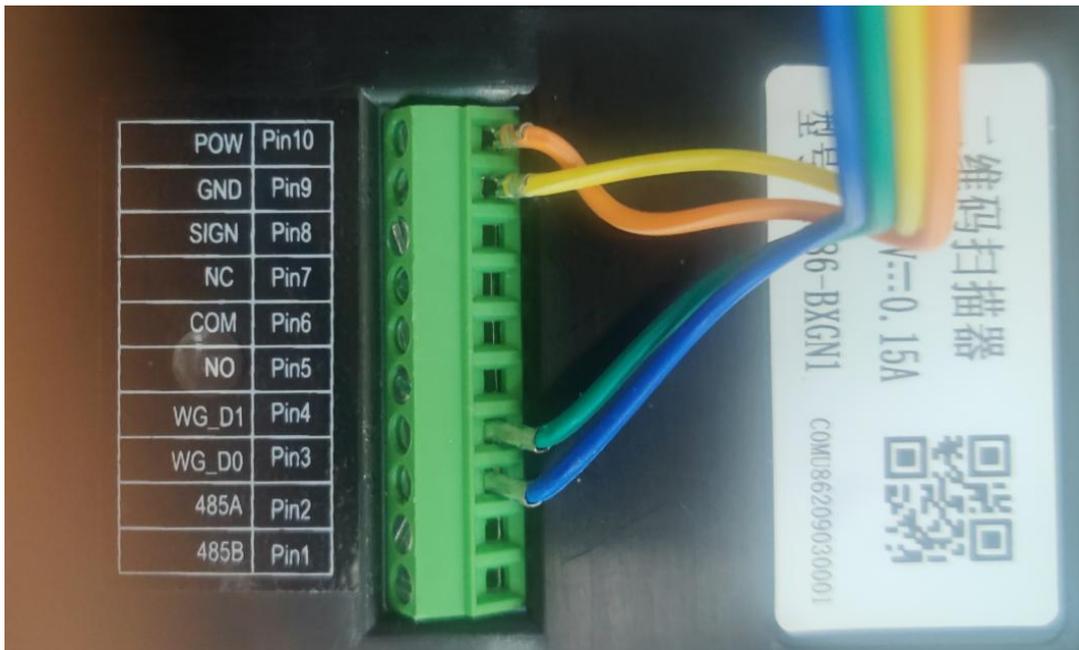
The ZK access control board
RTMU86 reader

2. Hardware connecting

Use RTMU86 Wiegand cable to connect to the READER interface of the ZK access control board



Connect the network cable on the control board to the router lan port or directly plug it into the network port of the computer



3. Software preparation

ZKAccess3.5.16
Configuration-Tool

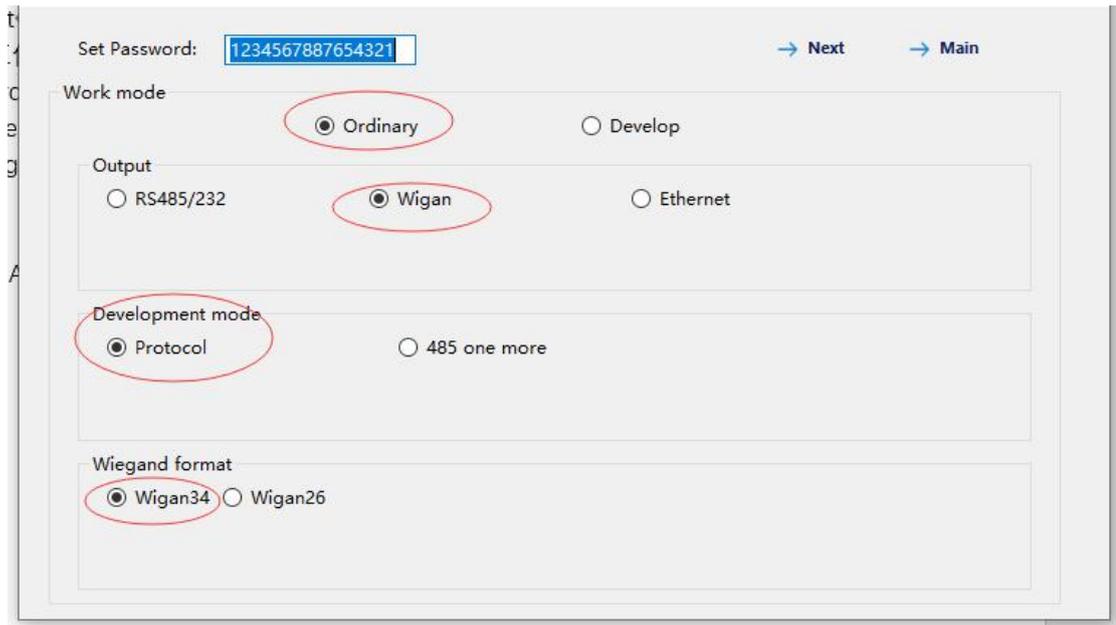
4. RTMU86 settings

- A. Run Configuration-Tool, and select the scanner model to **RTMU86**

Click **Next**

- B. Work mode settings

Word mode: Wigan,
Development mode: Protocol
Wiegand format: Wigan34



Set Password: 1234567887654321 → Next → Main

Work mode
 Ordinary Develop

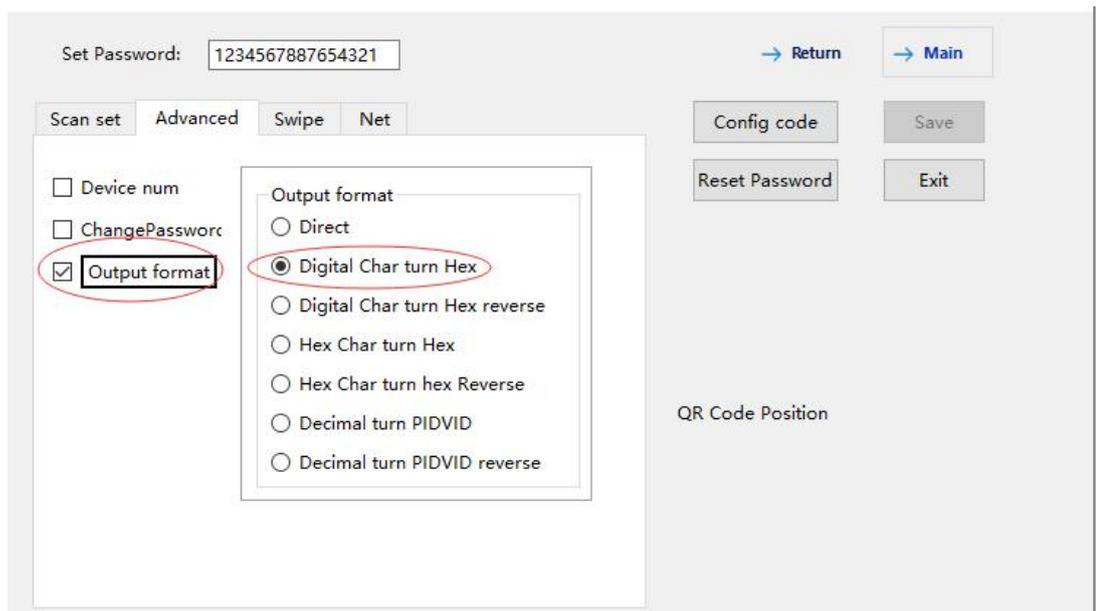
Output
 RS485/232 Wigan Ethernet

Development mode
 Protocol 485 one more

Wiegand format
 Wigan34 Wigan26

Click Next

C. Select **Advanced**->**Output format**->**Digital Char turn Hex**



Set Password: 1234567887654321 → Return → Main

Scan set **Advanced** Swipe Net

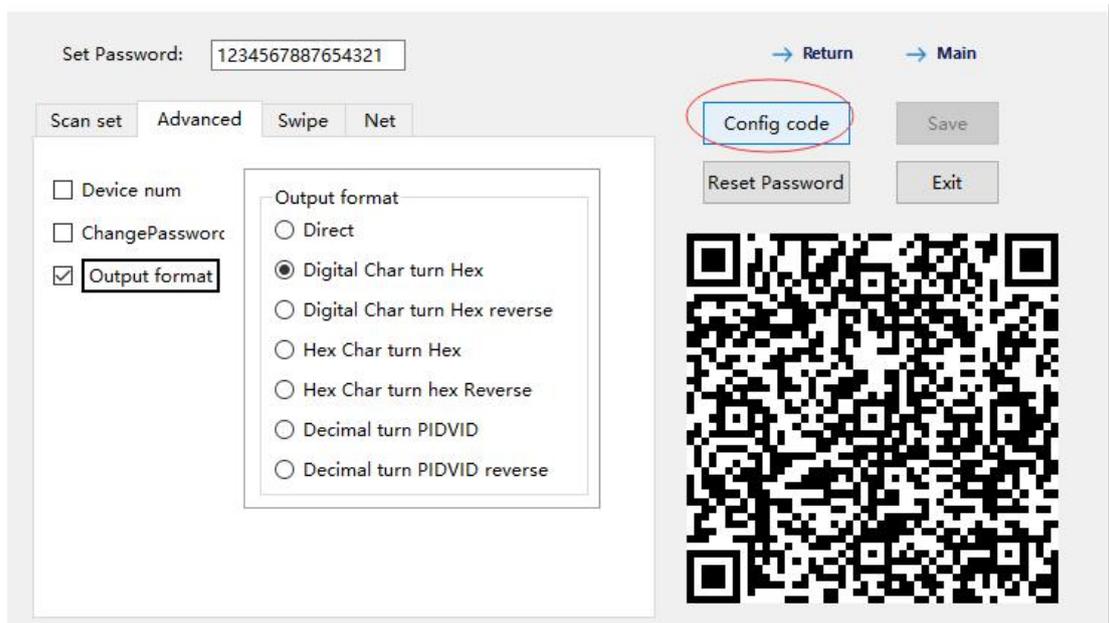
Device num
 ChangePassword
 Output format

Output format
 Digital Char turn Hex
 Direct
 Digital Char turn Hex reverse
 Hex Char turn Hex
 Hex Char turn hex Reverse
 Decimal turn PIDVID
 Decimal turn PIDVID reverse

Config code Save
Reset Password Exit

QR Code Position

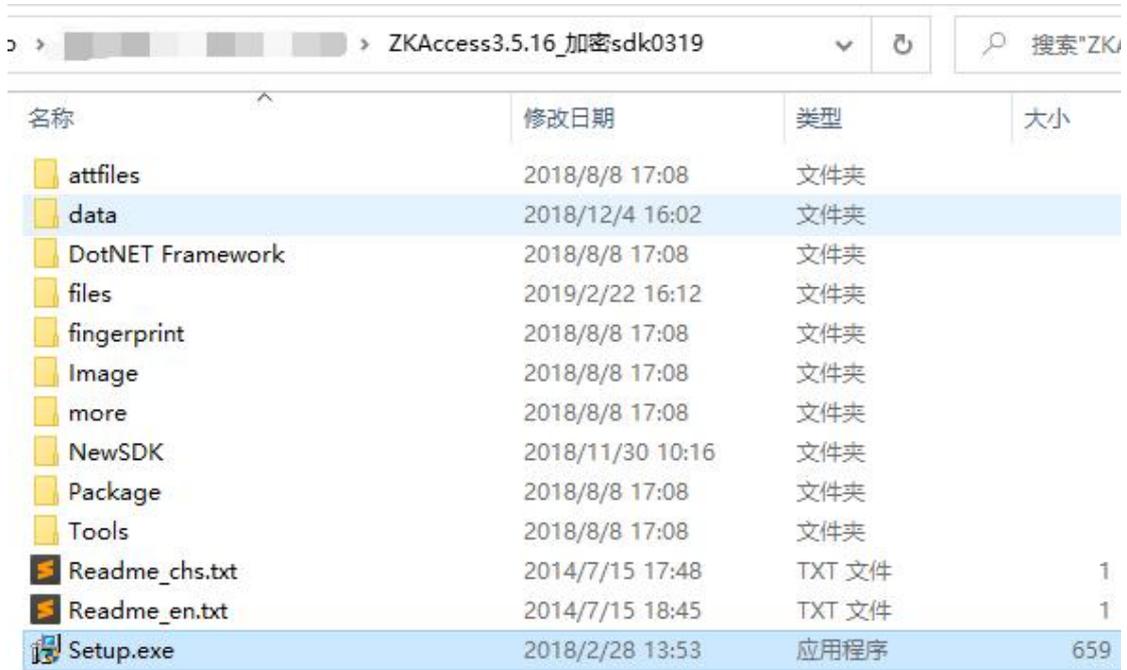
- D. Click **config code** to generate a configuration QR code, use the MU86 to read the QR code to complete the configuration



The screenshot displays the RTscan configuration interface. At the top, there is a 'Set Password:' field containing the number '1234567887654321'. To the right are navigation buttons: 'Return' and 'Main'. Below the password field are four tabs: 'Scan set', 'Advanced', 'Swipe', and 'Net'. The 'Advanced' tab is active, showing a list of checkboxes: 'Device num', 'ChangePassword', and 'Output format'. The 'Output format' checkbox is checked and highlighted with a red box. To the right of this list is a sub-menu titled 'Output format' with several radio button options: 'Direct', 'Digital Char turn Hex' (which is selected), 'Digital Char turn Hex reverse', 'Hex Char turn Hex', 'Hex Char turn hex Reverse', 'Decimal turn PIDVID', and 'Decimal turn PIDVID reverse'. Further right are buttons for 'Config code' (circled in red), 'Save', 'Reset Password', and 'Exit'. At the bottom right, a large QR code is displayed, which is the configuration code for the device.

5. ZK Access control system software installation and setting

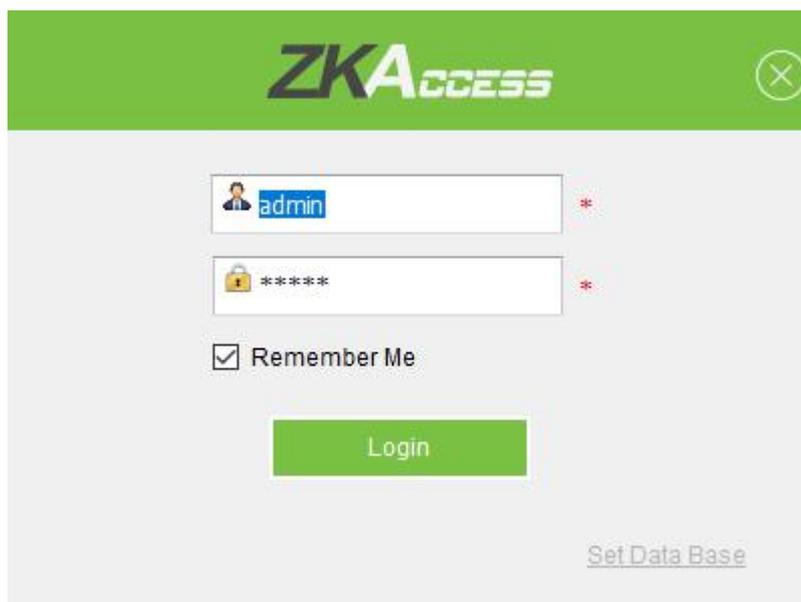
A. Install ZKAccess3.5.16



| 名称 | 修改日期 | 类型 | 大小 |
|------------------|------------------|--------|-----|
| attfiles | 2018/8/8 17:08 | 文件夹 | |
| data | 2018/12/4 16:02 | 文件夹 | |
| DotNET Framework | 2018/8/8 17:08 | 文件夹 | |
| files | 2019/2/22 16:12 | 文件夹 | |
| fingerprint | 2018/8/8 17:08 | 文件夹 | |
| Image | 2018/8/8 17:08 | 文件夹 | |
| more | 2018/8/8 17:08 | 文件夹 | |
| NewSDK | 2018/11/30 10:16 | 文件夹 | |
| Package | 2018/8/8 17:08 | 文件夹 | |
| Tools | 2018/8/8 17:08 | 文件夹 | |
| Readme_chs.txt | 2014/7/15 17:48 | TXT 文件 | 1 |
| Readme_en.txt | 2014/7/15 18:45 | TXT 文件 | 1 |
| Setup.exe | 2018/2/28 13:53 | 应用程序 | 659 |

B. Log in to the ZKAccess control management system

The default account is **admin** and the password is **admin**



ZKAccess

admin *

***** *

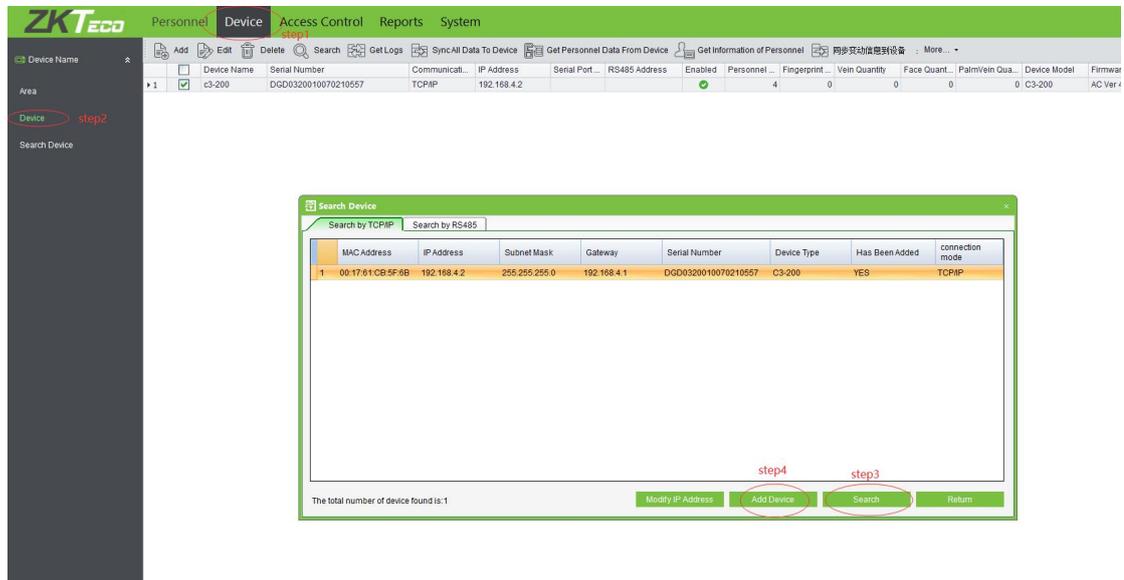
Remember Me

Login

[Set Data Base](#)

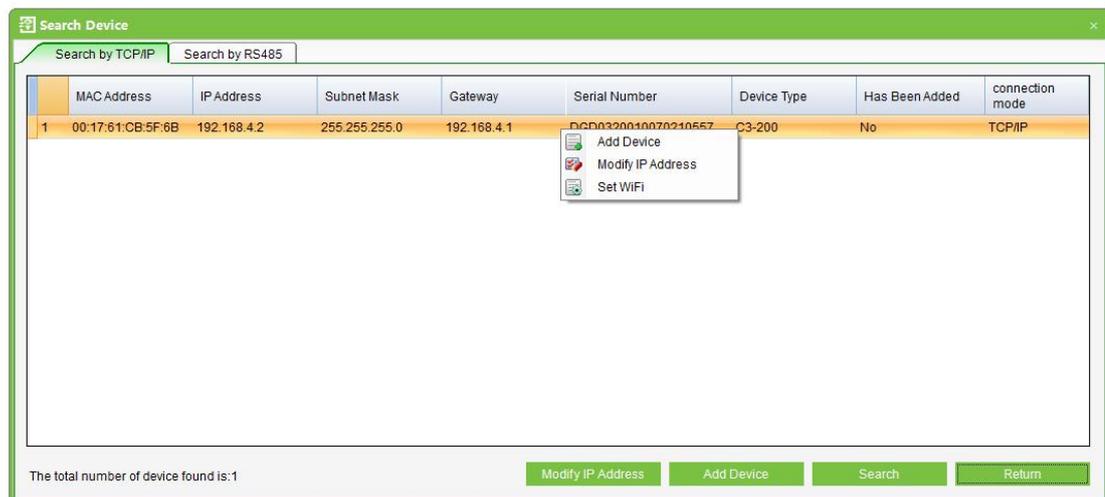
C. Add access controller device

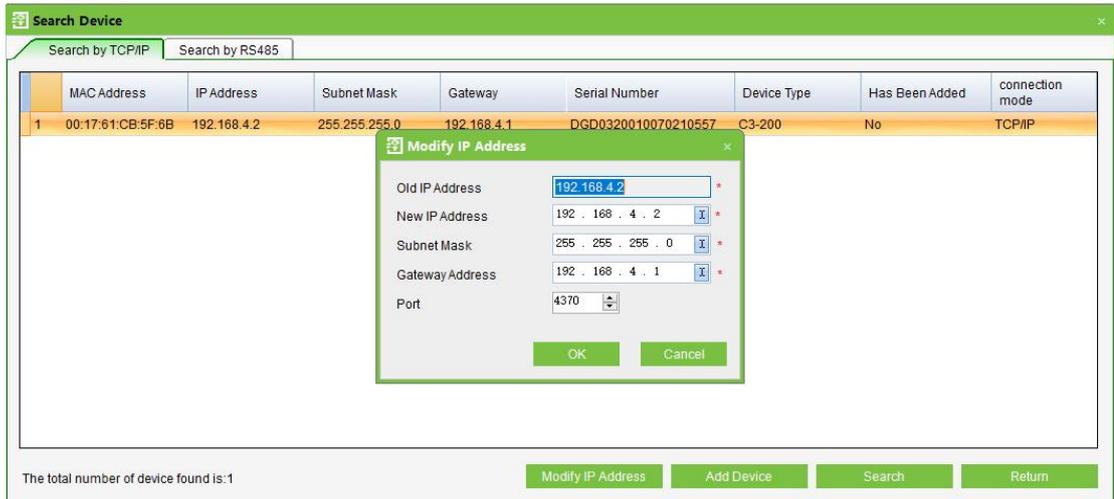
Click **Devie->Search Device-> Search** to find and add the ZK controller device in the LAN



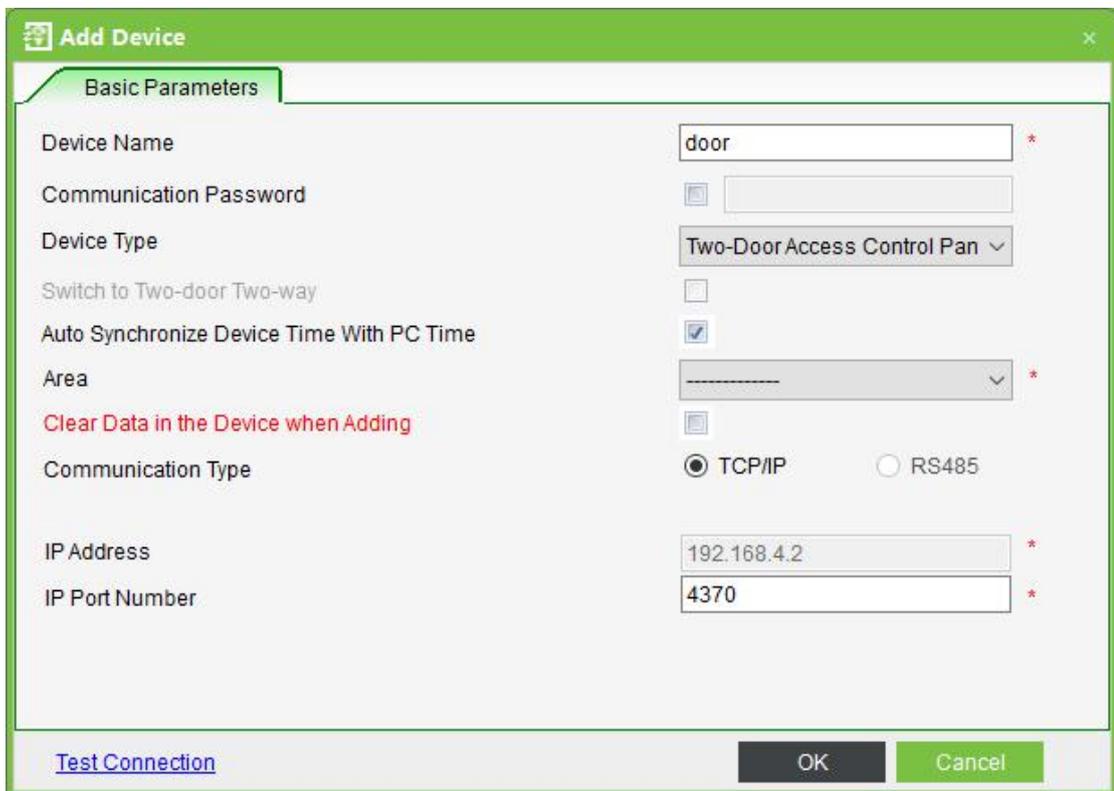
Modify the file controller IP.

Select the found controller, right-click and choose **Modify Address** to configure the device **IP address**, or you can also specify the IP address for the device in the router DHCP server.



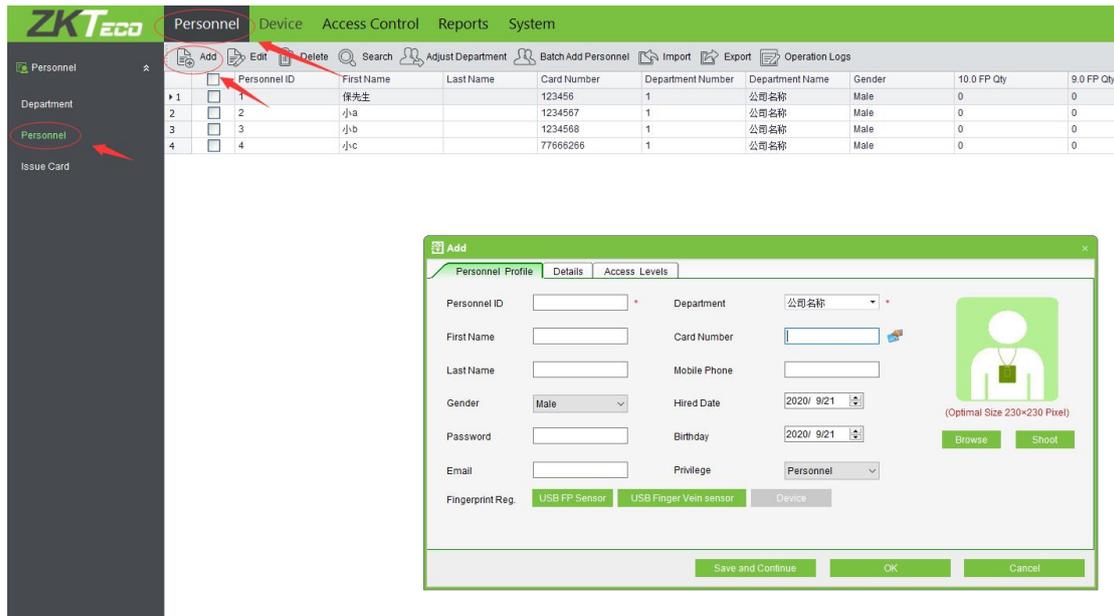


Click **Add Device** to add the device



D. Add personnel and card number

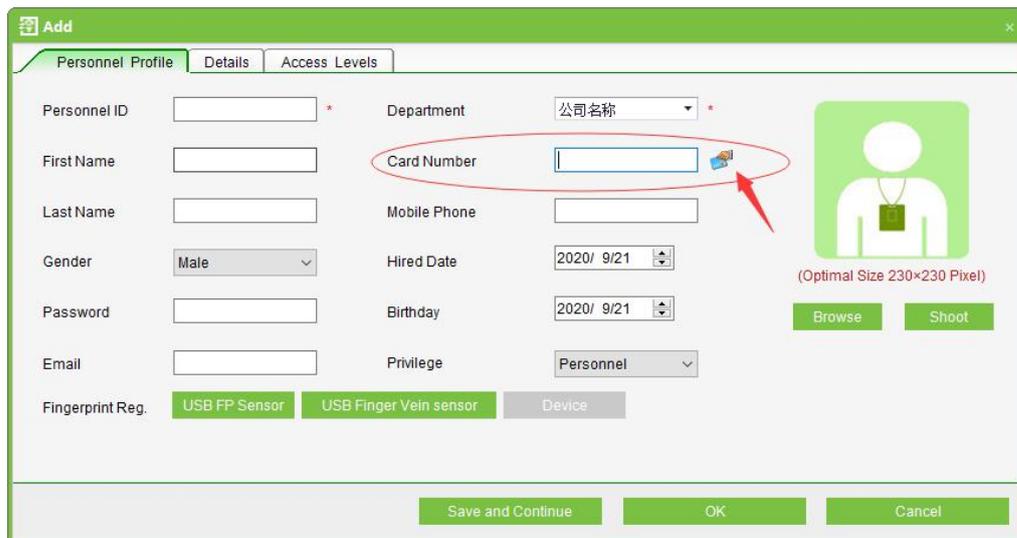
Select **Personnel**->**Personnel**->**Add** to add personnel and information

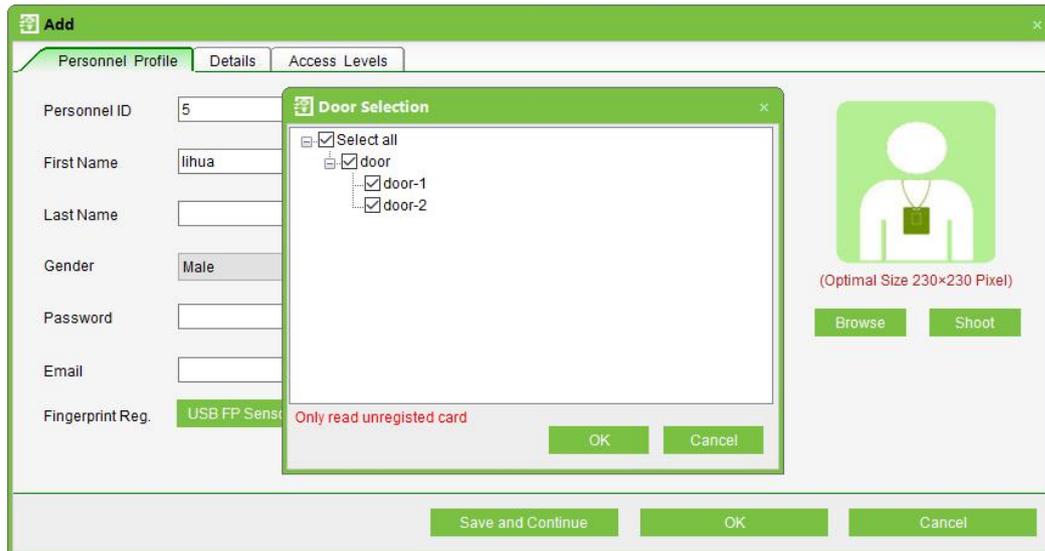


| Personnel ID | First Name | Last Name | Card Number | Department Number | Department Name | Gender | 10.0 FP Qty | 9.0 FP Qty |
|--------------|------------|-----------|-------------|-------------------|-----------------|--------|-------------|------------|
| 1 | 侯先生 | | 123456 | 1 | 公司名称 | Male | 0 | 0 |
| 2 | 小a | | 1234567 | 1 | 公司名称 | Male | 0 | 0 |
| 3 | 小b | | 1234568 | 1 | 公司名称 | Male | 0 | 0 |
| 4 | 小c | | 77666266 | 1 | 公司名称 | Male | 0 | 0 |

Add card number

Click the card icon behind **Card Number** to select the device that reads the card number, and wait a moment





Add

Personnel Profile | Details | Access Levels

Personnel ID: 5

First Name: lihua

Last Name:

Gender: Male

Password:

Email:

Fingerprint Reg.: USB FP Sensor

Door Selection

- Select all
 - door
 - door-1
 - door-2

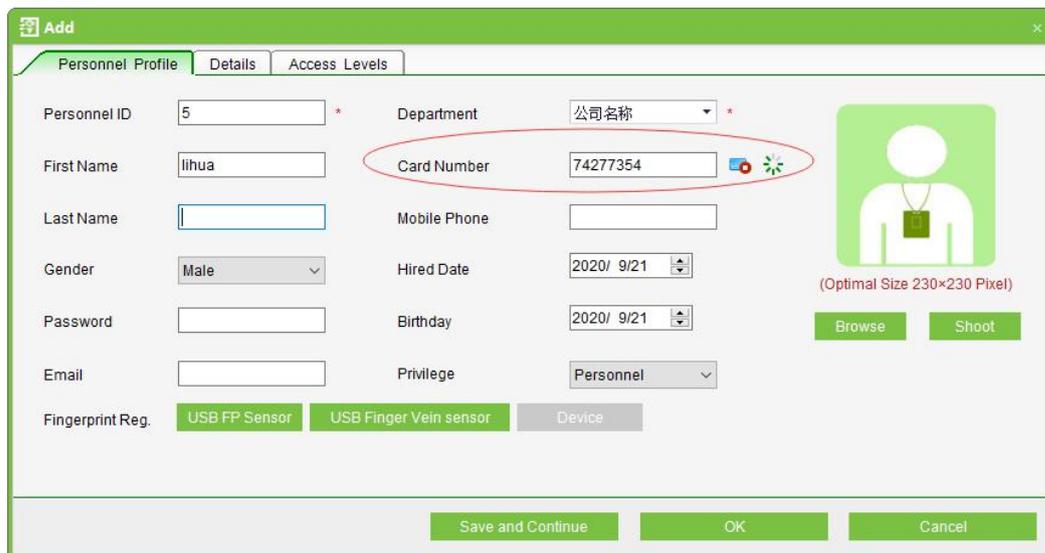
Only read unregistered card

OK Cancel

Browse Shoot

Save and Continue OK Cancel

Swipe the card or scan the bar code to add the card number



Add

Personnel Profile | Details | Access Levels

Personnel ID: 5 * Department: 公司名称 *

First Name: lihua Card Number: 74277354

Last Name: Mobile Phone:

Gender: Male Hired Date: 2020/ 9/21

Password: Birthday: 2020/ 9/21

Email: Privilege: Personnel

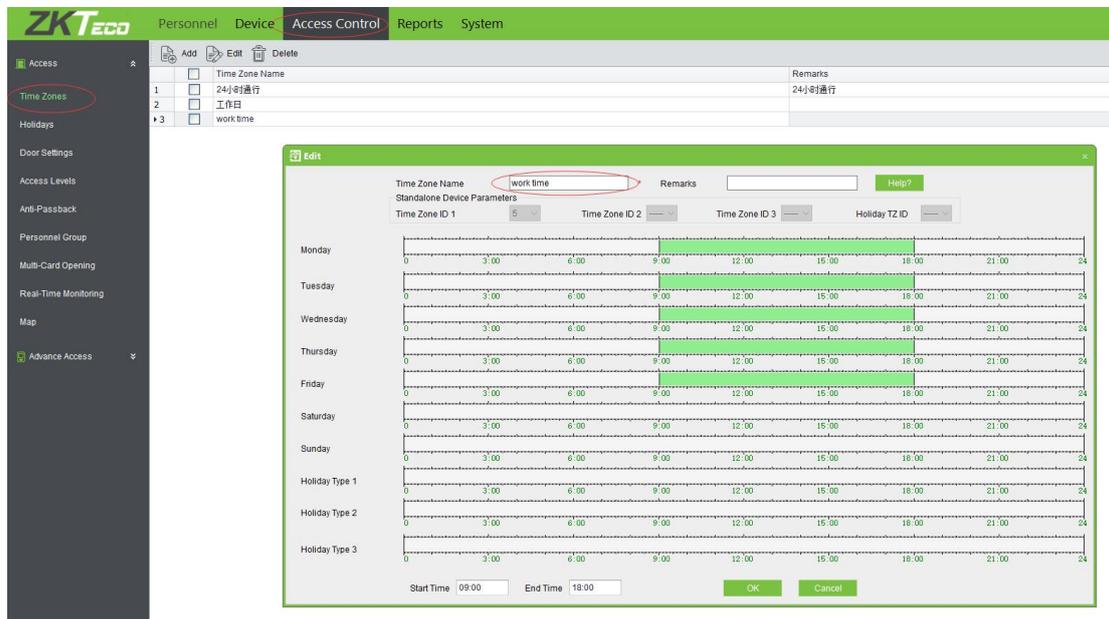
Fingerprint Reg.: USB FP Sensor USB Finger Vein sensor Device

Browse Shoot

Save and Continue OK Cancel

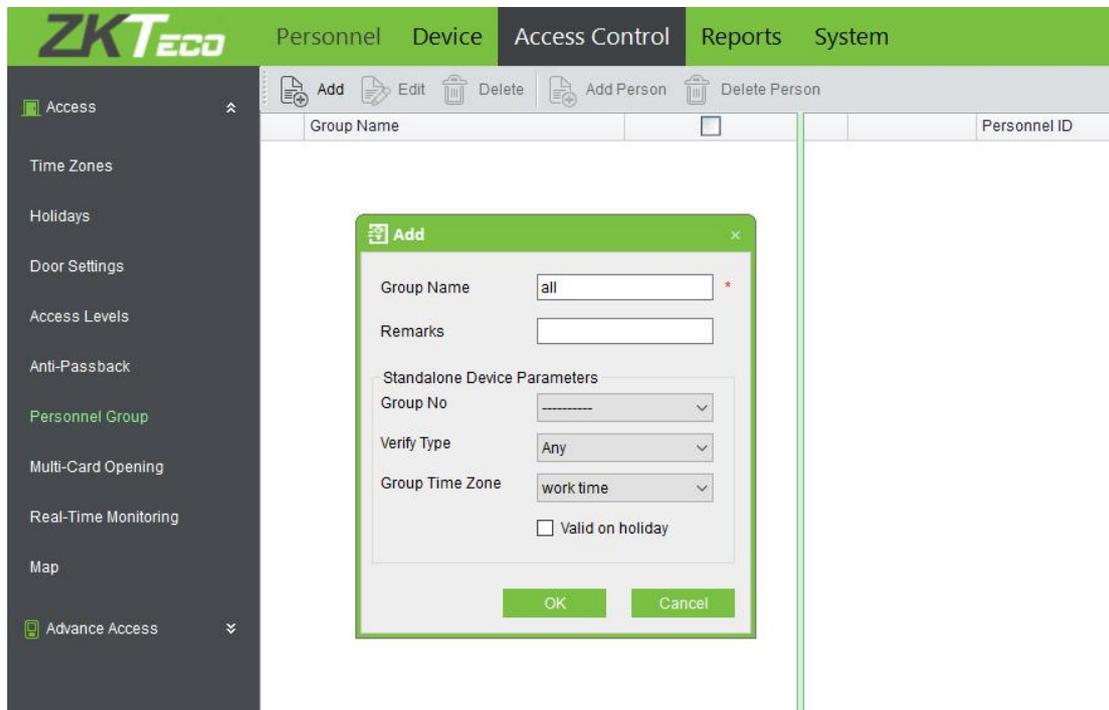
6. Personnel registration and access control binding

Add working time zone, Access Control ->Time zone



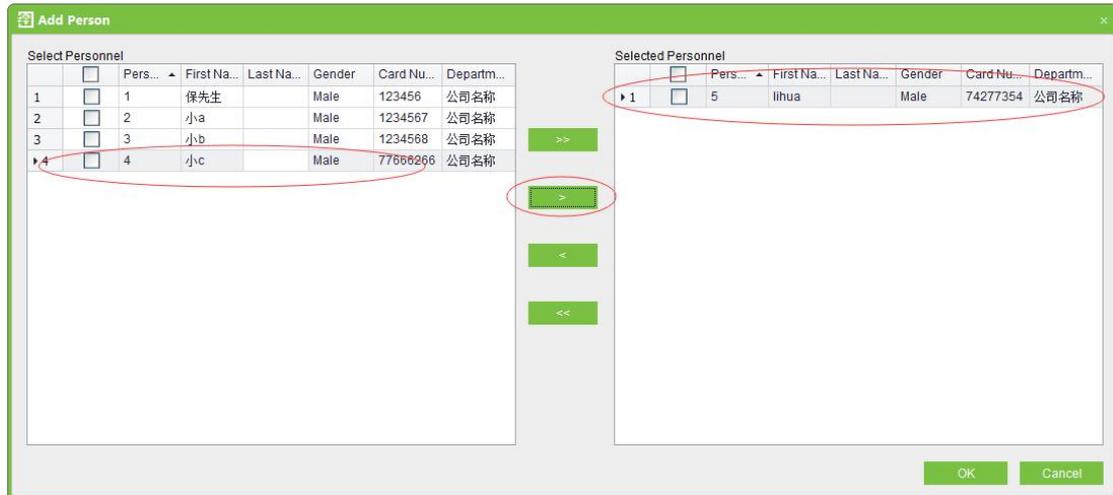
The screenshot shows the ZKTeco software interface. The 'Access Control' tab is selected. In the left sidebar, 'Time Zones' is highlighted. The main window displays a table of time zones. An 'Edit' dialog box is open, showing the configuration for a time zone named 'work time'. The dialog includes fields for 'Time Zone Name', 'Remarks', and 'Standalone Device Parameters'. The 'Standalone Device Parameters' section has dropdown menus for 'Time Zone ID 1', 'Time Zone ID 2', 'Time Zone ID 3', and 'Holiday TZ ID'. Below these is a grid showing the working hours for each day of the week (Monday through Sunday) and three holiday types. The working hours are indicated by green bars from 09:00 to 18:00. At the bottom of the dialog, there are 'Start Time' and 'End Time' fields, both set to 09:00 and 18:00 respectively, and 'OK' and 'Cancel' buttons.

Add group



The screenshot shows the ZKTeco software interface. The 'Access Control' tab is selected. In the left sidebar, 'Personnel Group' is highlighted. The main window displays a table of personnel groups. An 'Add' dialog box is open, showing the configuration for a new group named 'all'. The dialog includes fields for 'Group Name', 'Remarks', and 'Standalone Device Parameters'. The 'Standalone Device Parameters' section has dropdown menus for 'Group No', 'Verify Type', and 'Group Time Zone'. The 'Group Time Zone' is set to 'work time'. There is also a checkbox for 'Valid on holiday'. At the bottom of the dialog, there are 'OK' and 'Cancel' buttons.

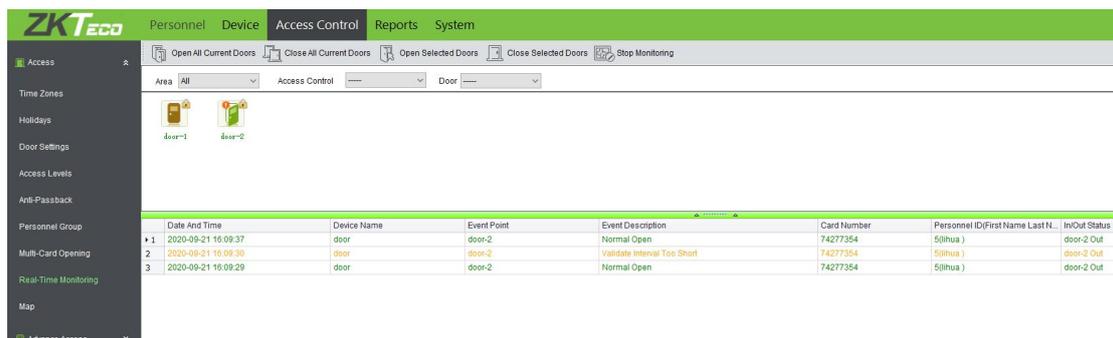
Add the previously added personnel to the group, then the personnel have the privilege to open and close doors



7. Real-time monitoring of access control

Click **Access Control** -> **Real-Time Monitoring**

Swipe card or read bar code to control the switch



8. Attention!

Once the configuration is changed, the configuration needs to be synchronized to the device

