



Quick Start Guide

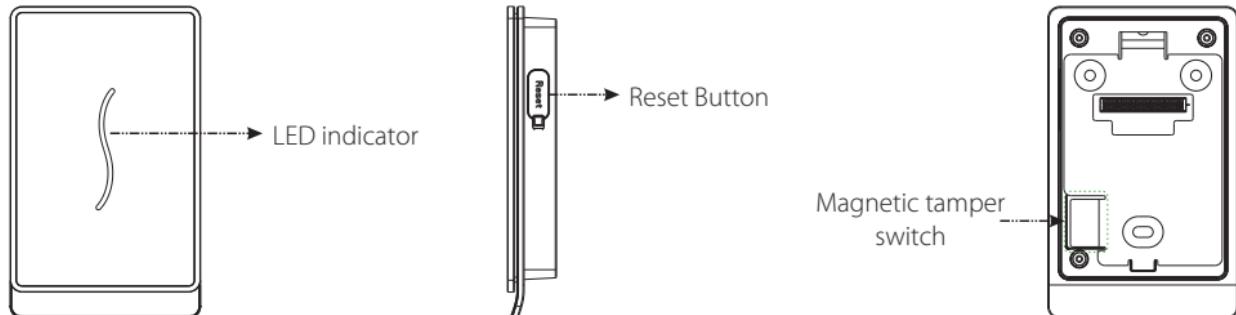
ProRF

Version: 1.0

Date: August 2018

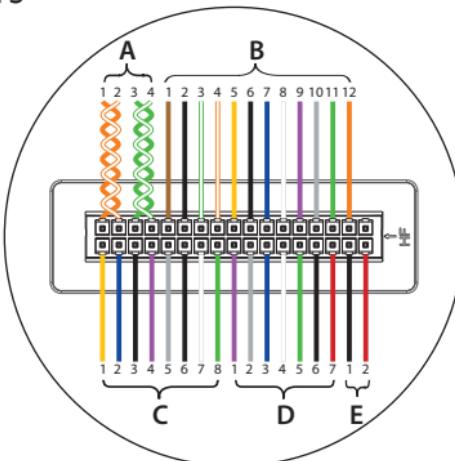
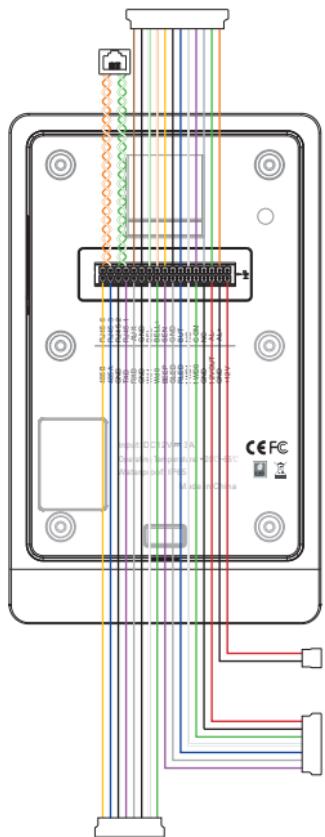
Green
Label

Overview



Name	Description
LED indicator	<ul style="list-style-type: none">Green flashes once in a second: verifying, enrollment or deletion status.Green glows continuously for 2 seconds: Authentication successRed glows continuously for 2 seconds: Authentication failure
Reset	<ul style="list-style-type: none">Reboot the device: press the reset button and hold it for 3 seconds.
Magnetic Tamper Switch	<ul style="list-style-type: none">Restore factory settingTamper Switch: keep the magnetic tamper switch on back plate, or it will trigger the tamper alarm.

Cables and connectors

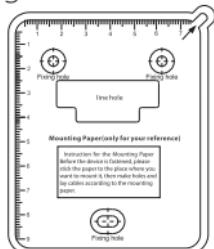


PIN	DESCRIPTION	WIRE
D1	BEEP	Purple
D2	GLED	Gray
D3	RLED	Blue
D4	IWD1	White
D5	IWD0	Green
D6	GND	Black
D7	12VOUT	Red
E1	GND	Black
E2	+12V	Red

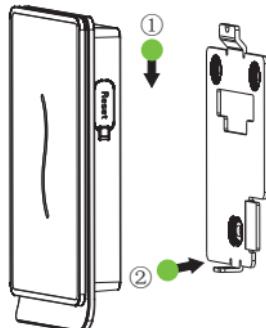
PIN	DESCRIPTION	WIRE
A1	RJ45-6	Orange
A2	RJ45-3	Orange+White
A3	RJ45-2	Green
A4	RJ45-1	Green+White
B1	AUX	Brown
B2	GND	Black
B3	BELL-	Green+White
B4	BELL+	Orange+White
B5	SEN	Yellow
B6	GND	Black
B7	BUT	Blue
B8	NO	White
B9	COM	Purple
B10	NC	Gray
B11	AL-	Green
B12	AL+	Orange
C1	485B	Yellow
C2	485A	Blue
C3	GND	Black
C4	TXD	Purple
C5	RXD	Gray
C6	GND	Black
C7	WD1	White
C8	WD0	Green

Installation

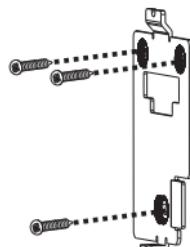
- 1) Paste the mounting template sticker on the wall, and drill holes according to the mounting paper.



- 3) Attach the device to the back plate.



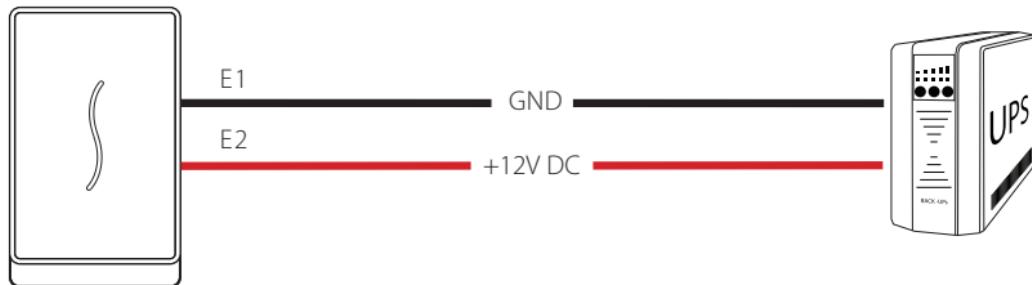
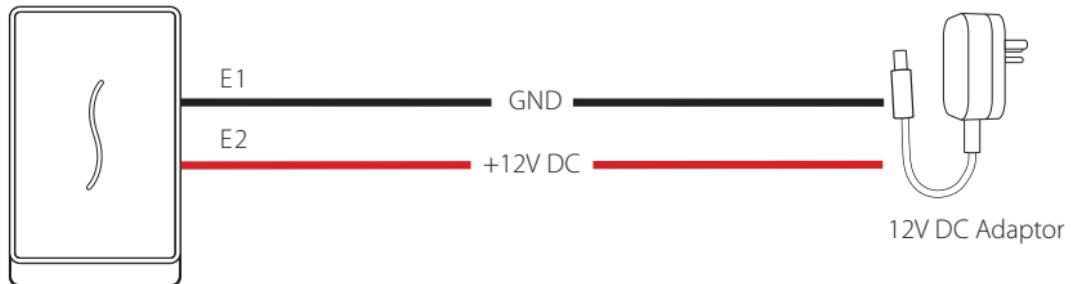
- 2) Fix the back plate on the wall using wall mounting screws.



- 4) Fix the device to the back plate with a security screw.



Power Connection

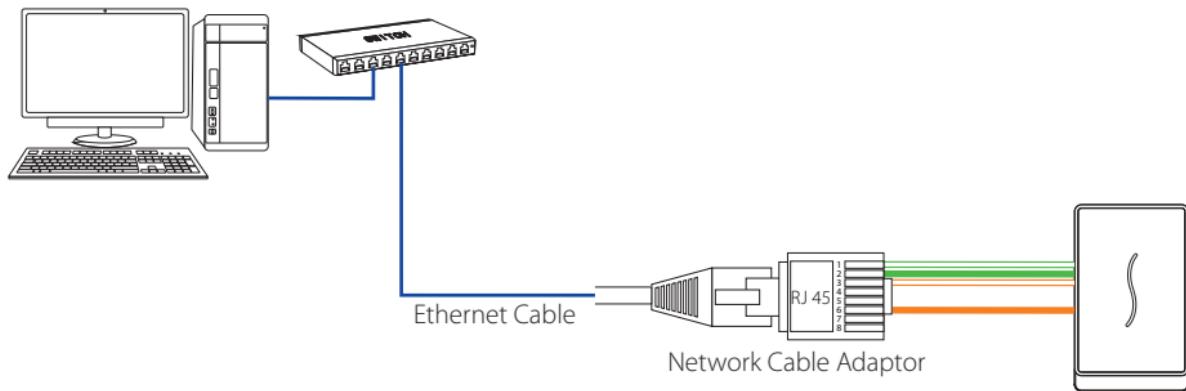


Recommended power supply

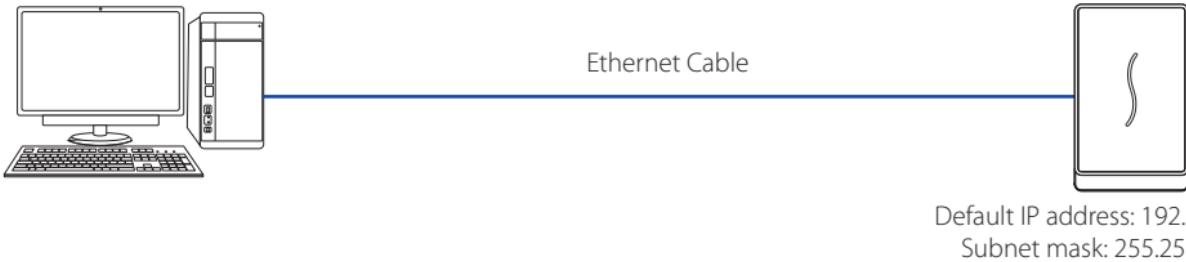
- 1) $12V \pm 10\%$, at least 500mA.
- 2) To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection

- 1) The device connects to the computer over an Ethernet through a switch.



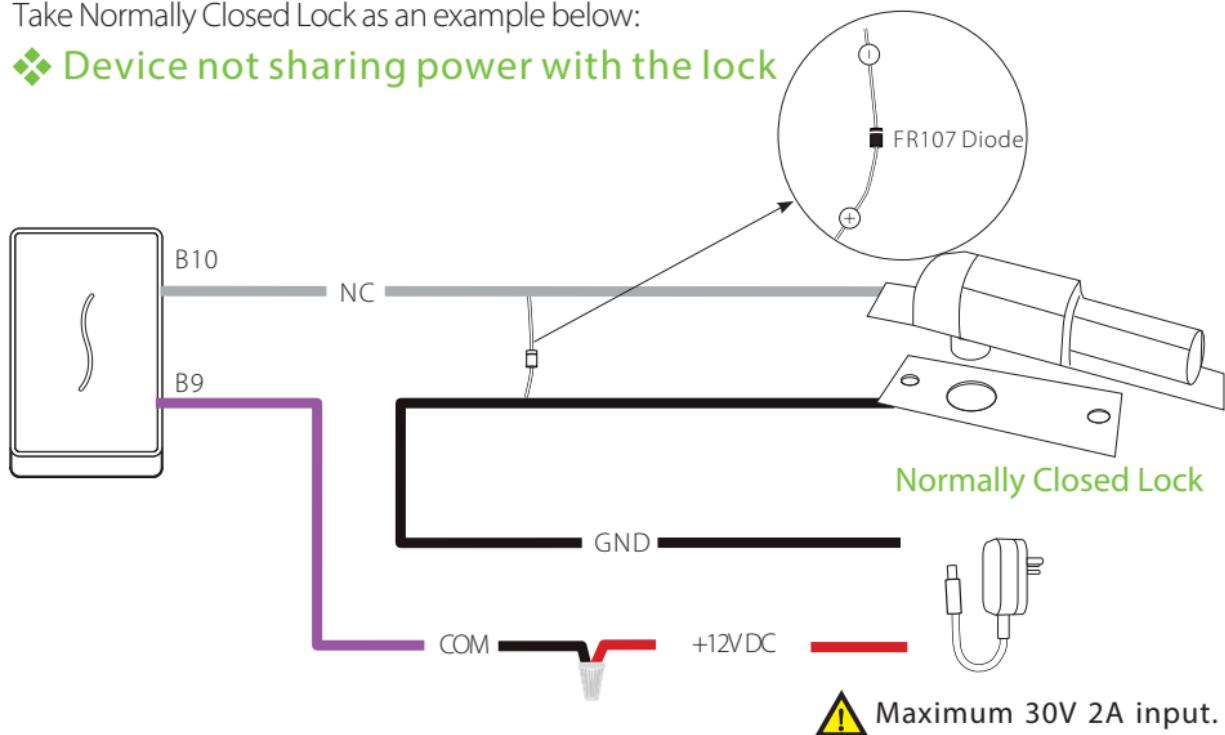
- 2) The device directly connects to the computer.



Lock Relay Connection

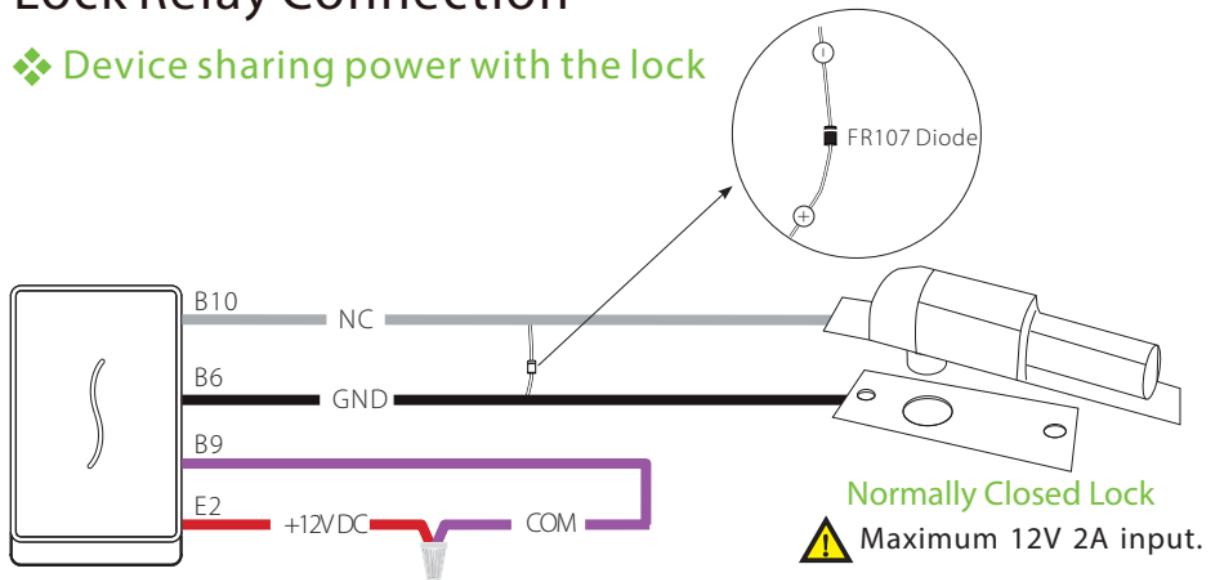
The system supports Normally Opened Lock and Normally Closed Lock.
Take Normally Closed Lock as an example below:

❖ Device not sharing power with the lock



Lock Relay Connection

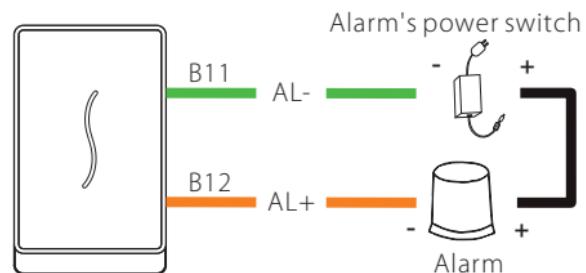
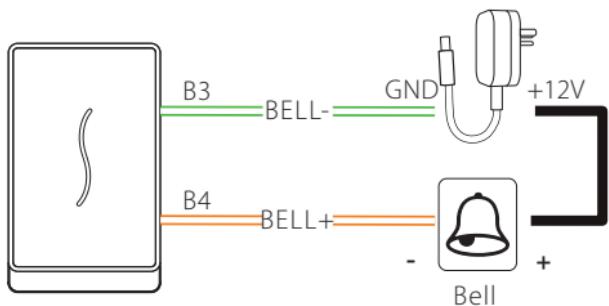
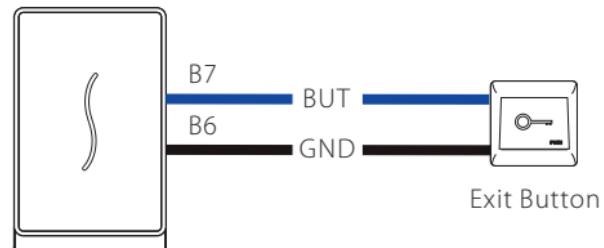
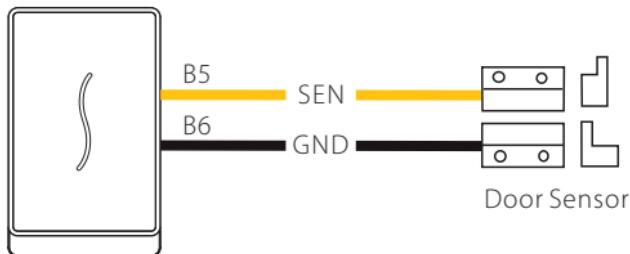
- ❖ Device sharing power with the lock



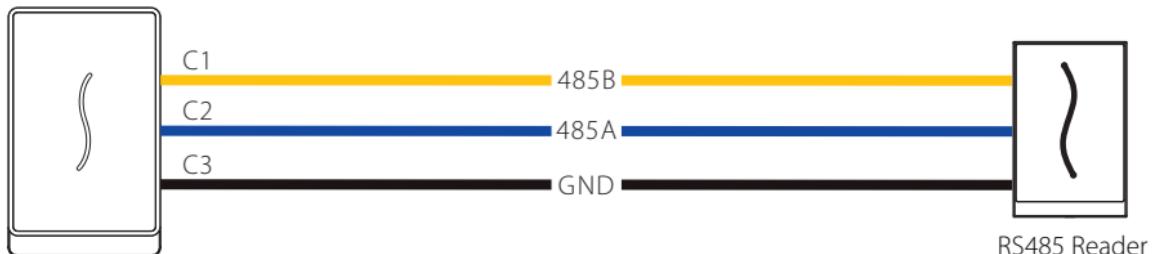
Notes:

1. The system supports Normally Opened Lock and Normally Closed Lock. The NO LOCK (normally opened at power on) is connected with 'NO' and 'COM' terminals, and the NC LOCK (normally closed at power on) is connected with 'NC' and 'COM' terminals.
2. When electrical lock is connected to the Access Control System, you must add one FR107 diode in parallel (equipped in the package) to prevent the self-inductance EMF from affecting the system.

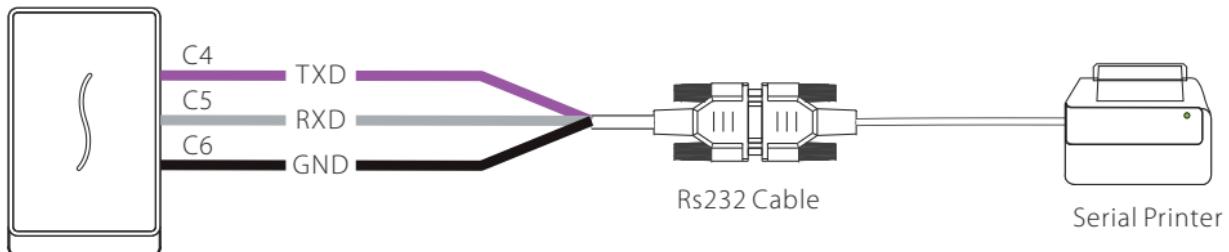
Door Sensor, Exit Button, Bell & Alarm Connection



RS485 Connection

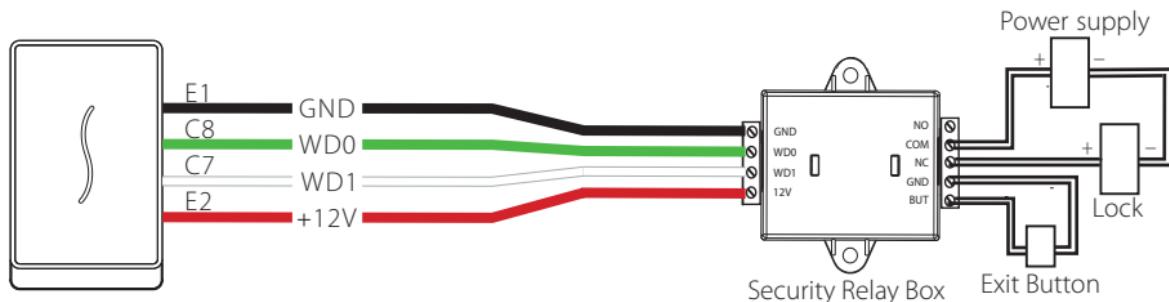


RS232 Connection(optional)

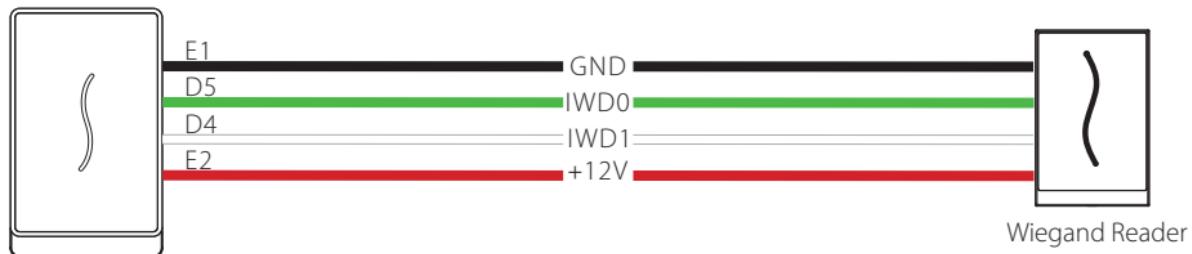


Wiegand Output Connection

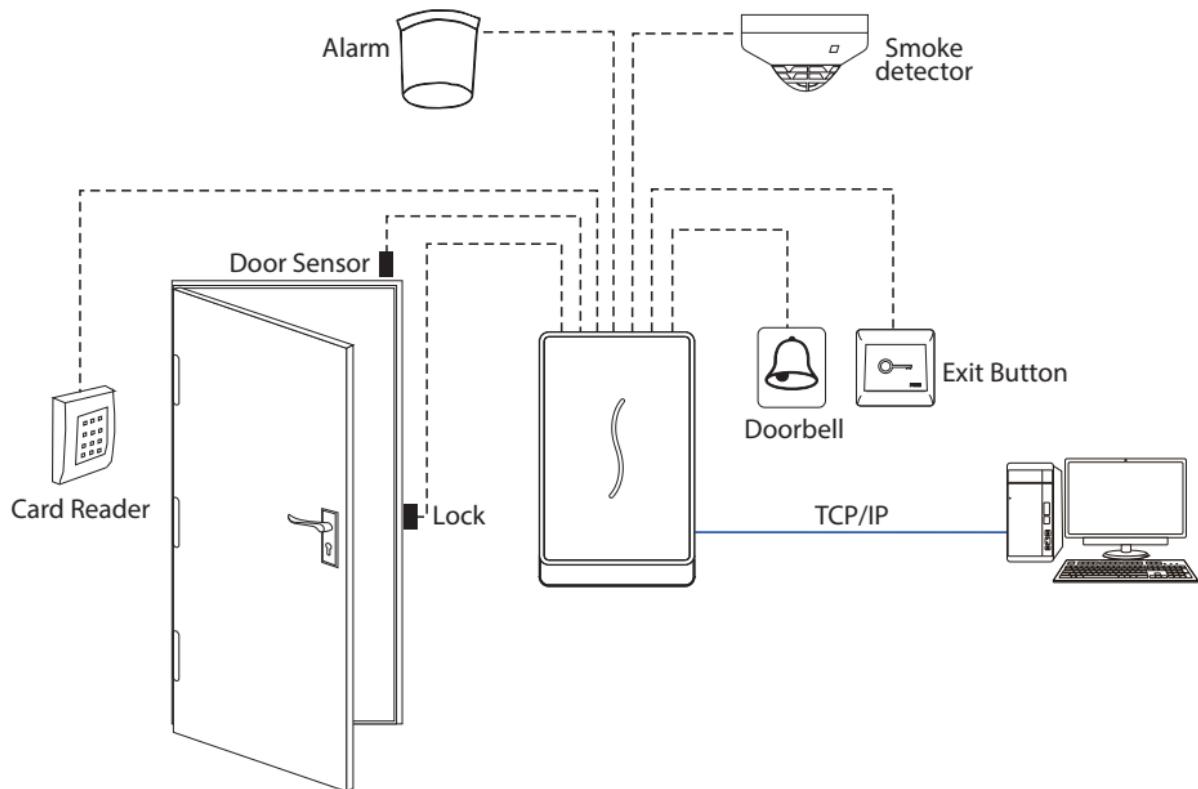
After a successful verification, the device will send Wiegand signals to the SRB access controller, then the SRB will output relay signals to trigger the relay to unlock the door.



Wiegand Input Connection



Standalone Installation

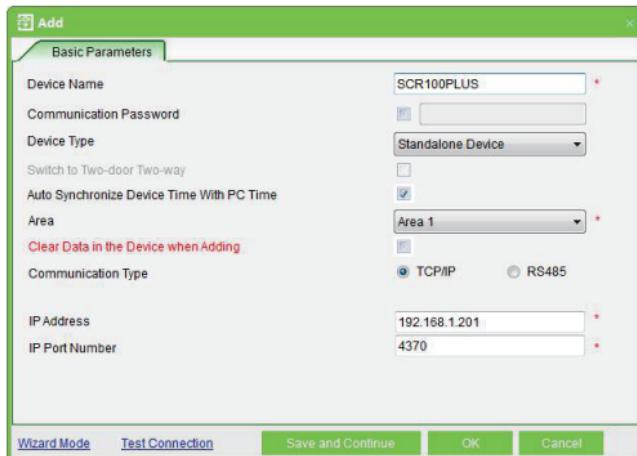


Quick Start Operations

Suppose the device is connected with PC and the software (ZKAccess 3.5) is installed. Double-click the ZKAccess3.5 icon on the desktop to open.

❖ Add Device

Click [Device] > [Device] > [Add], enter device name and IP Address of the device and click [OK]. The following interface will be shown:

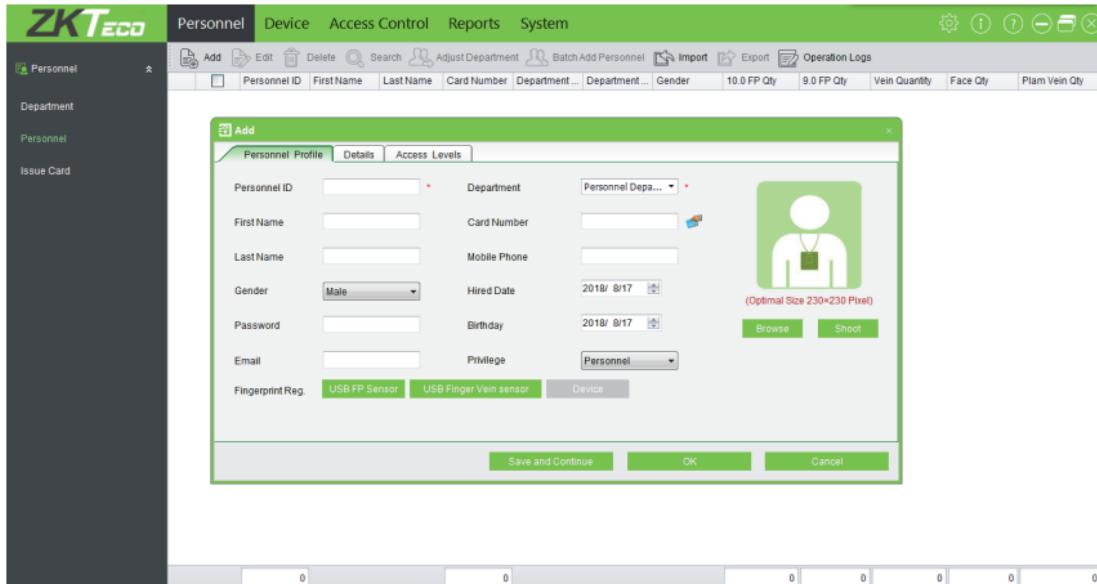


Note:

1. IP addresses of the server (PC) and the device must be in the same network segment. The default IP Address of the device is 192.168.1.201.
2. Please set the device type to standalone device.
3. Once IP address and communication password missing, please refer Reset function.

❖ Add Personnel

1. Click [Personnel] > [Personnel] > [Add] to add personnel information and set access levels .



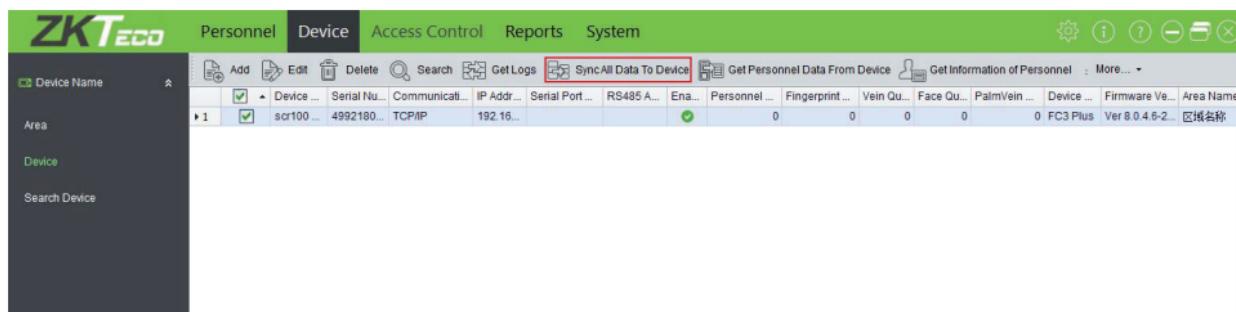
The screenshot shows the ZKTeco software interface. The main menu bar includes Personnel, Device, Access Control, Reports, and System. The Personnel menu is selected, showing sub-options for Personnel, Department, Personnel, and Issue Card. The 'Personnel' sub-menu is currently active. A sub-menu bar below the main menu includes Add, Edit, Delete, Search, Adjust Department, Batch Add Personnel, Import, Export, and Operation Logs. The main content area displays a 'Add' dialog box for personnel information. The dialog box has tabs for Personnel Profile, Details, and Access Levels. The Personnel Profile tab is active, showing fields for Personnel ID (with a red asterisk), First Name, Last Name, Gender (Male), Password, Email, and Fingerprint Reg (options: USB FP Sensor, USB Finger Vein sensor, Device). There is also a 'Department' dropdown with a red asterisk, a 'Card Number' field, a 'Mobile Phone' field, a 'Hired Date' field (set to 2018/8/17), a 'Birthday' field (set to 2018/8/17), a 'Privilege' dropdown (set to Personnel), and a 'Device' dropdown. To the right of the form is a placeholder for a profile picture with a green border and a white silhouette of a person wearing a badge. Below the placeholder is the text '(Optimal Size 230x230 Pixel)'. At the bottom of the dialog box are 'Save and Continue', 'OK', and 'Cancel' buttons. The background of the main window shows a list of personnel with columns for Personnel ID, First Name, Last Name, Card Number, Department, Gender, 10.0 FP Qty, 9.0 FP Qty, Vein Quantity, Face Qty, and Palm Vein Qty. The list shows 0 entries in all columns.

❖ Access Control Setting

User can set Access Control Time Zones, Access Control Holiday, Door Settings, Access Levels, Personnel Access Levels and so on in Access Control interface. For more details, please refer the user manual and the software instruction.

❖ Sync All Data to Device

The system will synchronize the data to the device, including door information, access control levels (personnel information, access control time zones), and so on. Select device, click [Synchronize All Data] and click [OK] to complete synchronization.



The screenshot shows the ZKTeco Access Control software interface. The top navigation bar includes tabs for Personnel, Device, Access Control (which is selected), Reports, and System. Below the navigation bar is a toolbar with icons for Add, Edit, Delete, Search, Get Logs, Sync All Data To Device (which is highlighted with a red box), Get Personnel Data From Device, Get Information of Personnel, and More. The main content area displays a table of device data. The table has columns for Device Name, Area, Device, and Search Device. The Sync All Data To Device button is located in the toolbar above the table.

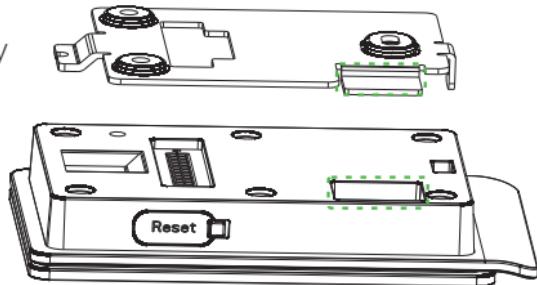
Device Name	Area	Device	Search Device
scr100...	1	scr100...	scr100...
4992180...		4992180...	4992180...
TCP/IP		TCP/IP	TCP/IP
192.16...		192.16...	192.16...

❖ Tips

Forgot the password/IP address?

Trigger the magnetic tamper switch three times quickly within 30-60 seconds of the device start-up. (The LED indicator turns yellow.)

This process restores factory settings, such as device password, IP address, etc.



Green Label

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