




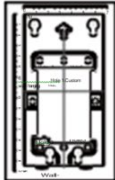


esi eSIP and eCloud

AC64v Access Device Quick Install Guide

This guide instructs on installation and basic door unlocking settings of the ESI AC64v Access Device.



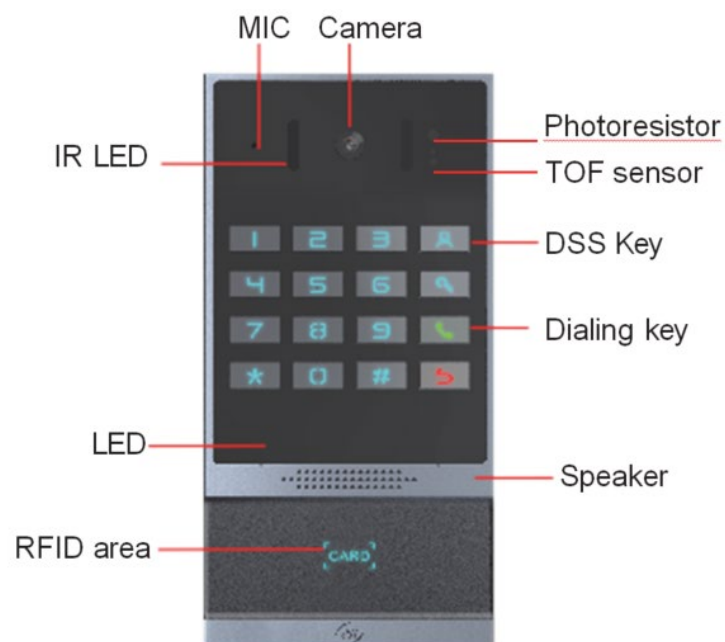
Package Contents

	AC64v Access Device		Connector
	Quick Installation Guide (On Academy Website)		Mounting Template
	RFID Cards 2pcs		Hardware and tool

Physical Specifications

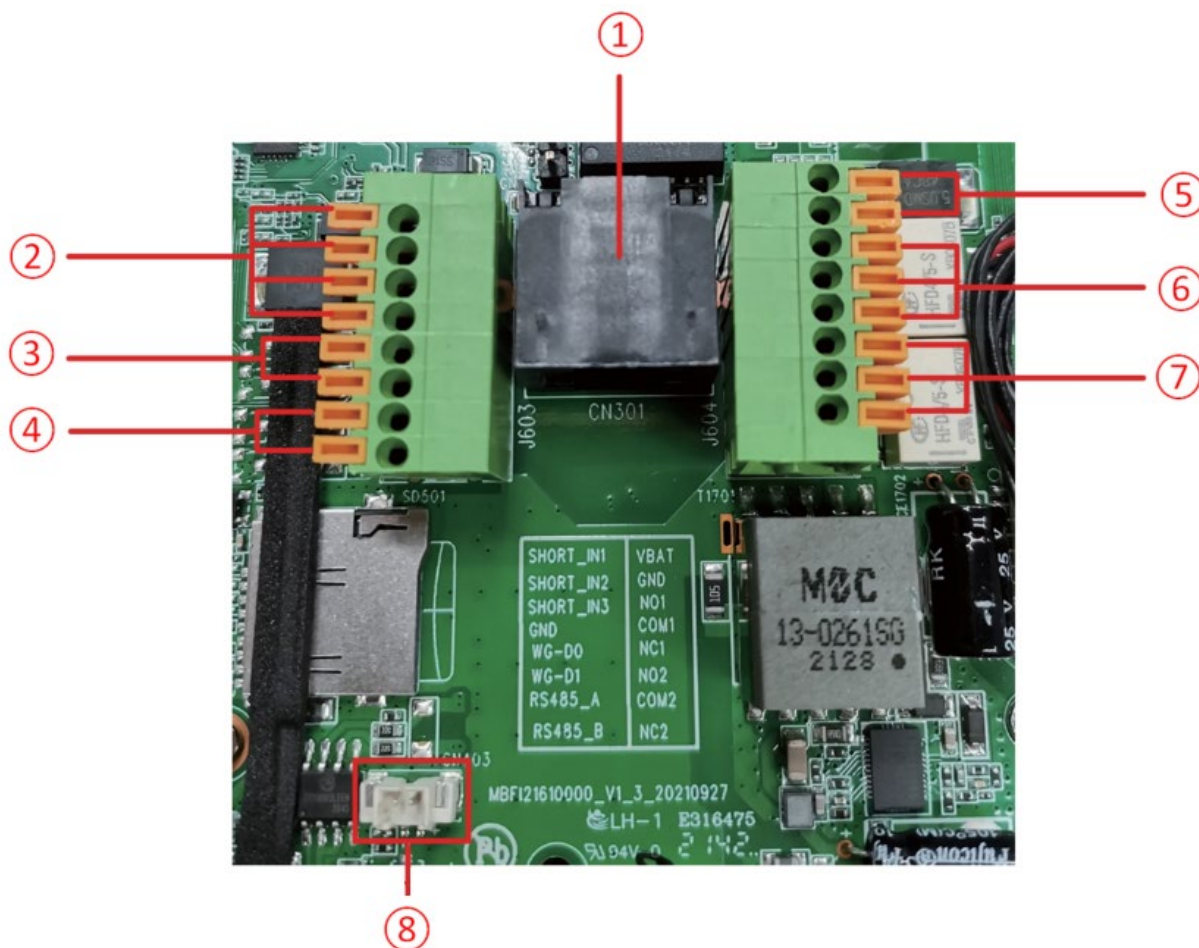
Model	Device size
AC64v	7 x 3.47 x 1.43 inches (177.4 x 88 x 36.2 mm)

Front Panel



Wiring Interface

Open the rear case of the device, there is a row of terminal blocks for connecting the power supply, electric lock control, etc. The connections are as follows:



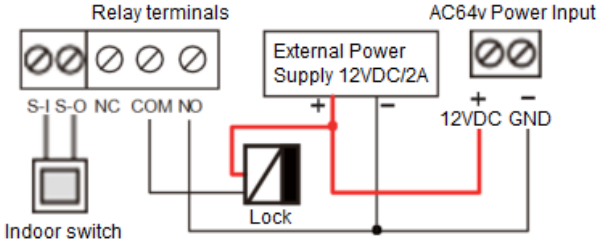
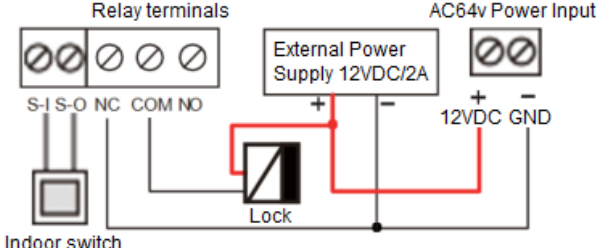
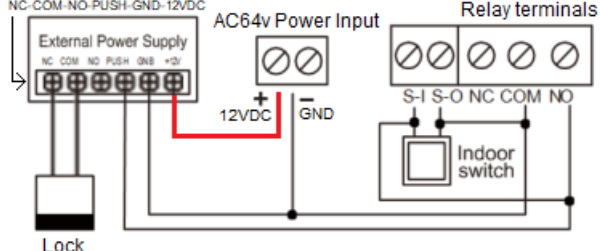
Reference Number	Description
1	Ethernet interface: standard RJ45 interface, 10/100M adaptive, Cat5e network cable or better is recommended.
2	Two sets of short-circuit input detection interfaces: for connecting switches, infrared probes, door magnets, vibration sensors and other input devices.
3	Wiegand interface.
4	RS485 interface.
5	Power interface: 12VDC/1A input (VBAT). Ground (GND).
6, 7	Two sets of short-circuit output control interface: used to control electric locks, alarms, etc.
8	Line out interface.

Wiring Instructions

NO: Normally Open Contact

COM: Common Contact

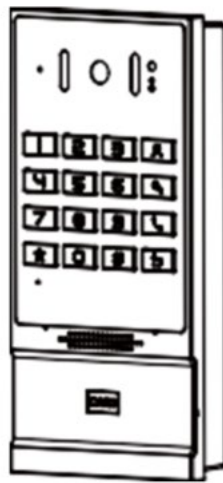
NC: Normally Close Contact.

Driving Mode	Electric Lock Mode		Connections
Passive	No electrical path when door is open	Electrical path when door is open	
✓		✓	 <p>Relay is in the normally open position. Relay closes and energizes electric door lock during door open event.</p>
✓	✓		 <p>Relay is in the normally closed position. Relay opens and de-energizes electric door lock during door open event.</p>
✓		✓	 <p>Relay is in the normally open position. Relay closes and disengages electric door lock during door open event.</p>

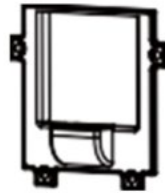
Note: The 12VDC/2A External Power Supply shown in the pictures above can be wired to power the AC64v and drive electric locks, alarms, etc. However if there is not enough power to power both, then a second power supply is needed for the electric lock, alarm, etc. The AC64v Power Input shown in the pictures above is for power when Power-Over-Ethernet (POE) is unavailable.

CAUTION: Do not exceed 12VDC/2A input.

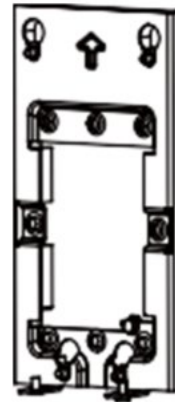
Installation Diagram



Panel Main Body



Back Shell



Wall Bracket

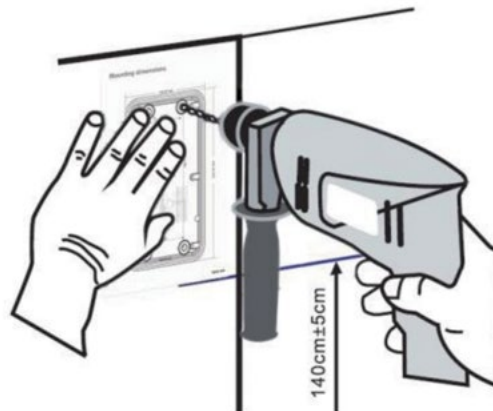
Wall mounting

Step 1: Installation preparation

- Check the following contents:
 - KM3*6 screws x3
 - TA4*30mm screws x5
 - 6*30mm screw anchors x5
 - PM4*16mm screw x3
 - TM6#*20/ screw x3
- Tools that may be required:
 - Phillips screwdriver, hammer, RJ45 crimper
 - Electric impact drill with an 8mm drill bit

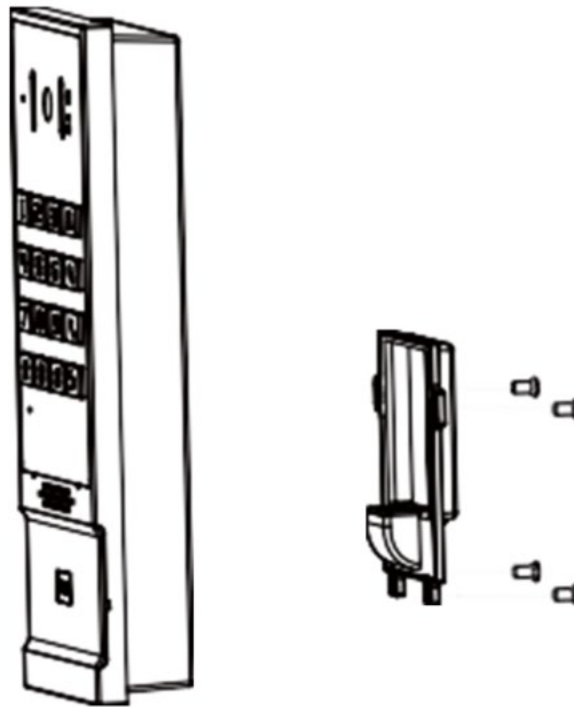
Step 2: Drilling

1. Place the mounting template with dimensions on the surface of a wall in a desired flat position.
2. Use an electric drill to drill the 4 holes marked on the mounting template. It is recommended to drill about 50mm deep. Remove the template when finishing drilling.
3. Push or hammer screw anchors into the drilled holes



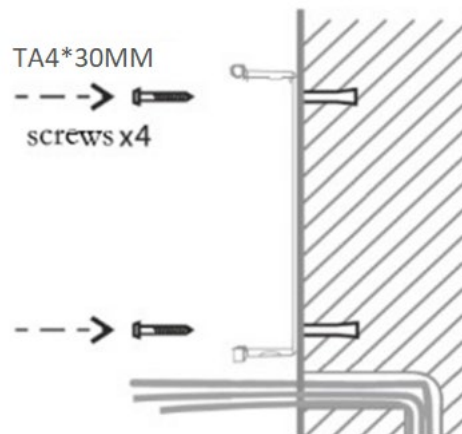
Step 3: Removing hanging bracket and back shell.

Detach the wall bracket downward from the device and loosen the four screws on the rear cover using a screwdriver, as shown below.

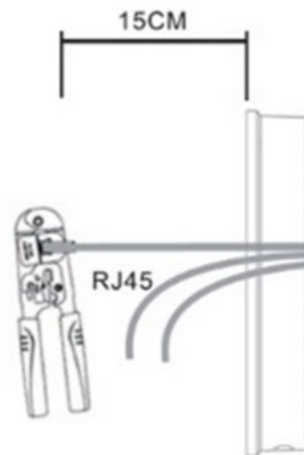


Step 4: Install the wall bracket, wiring and casing

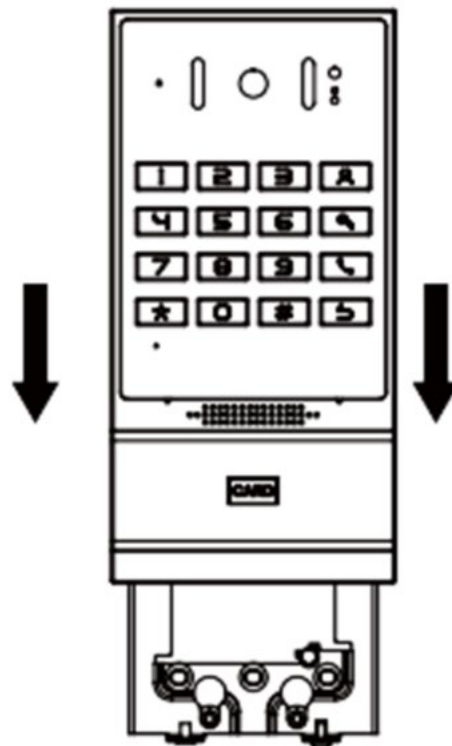
1. Align the screw holes of the wall bracket with the holes in the wall and fix them to the wall with the TA4*30mm screws, as shown below.



2. Pass all the wires through the silicone plug in the middle of the bottom case. All lines should be reserved for 15~20CM length, as shown below.
Note: The outlet hole of the bottom case faces down
3. Connect the cables of RJ45, power, and electric-lock to the motherboard socket as mentioned in connectors description (refer to Section 2).
4. Connect the terminal of the wired cable to the motherboard socket. Refer to wiring interface.
5. Test whether there is electricity by doing the following: Press the # button for 3 seconds to get the IP address of intercom by voice. Input access password or press the indoor switch to verify that electric lock functions.



6. Attach the device to the wall bracket in a top-down manner, locking the screws at the bottom, as shown below.

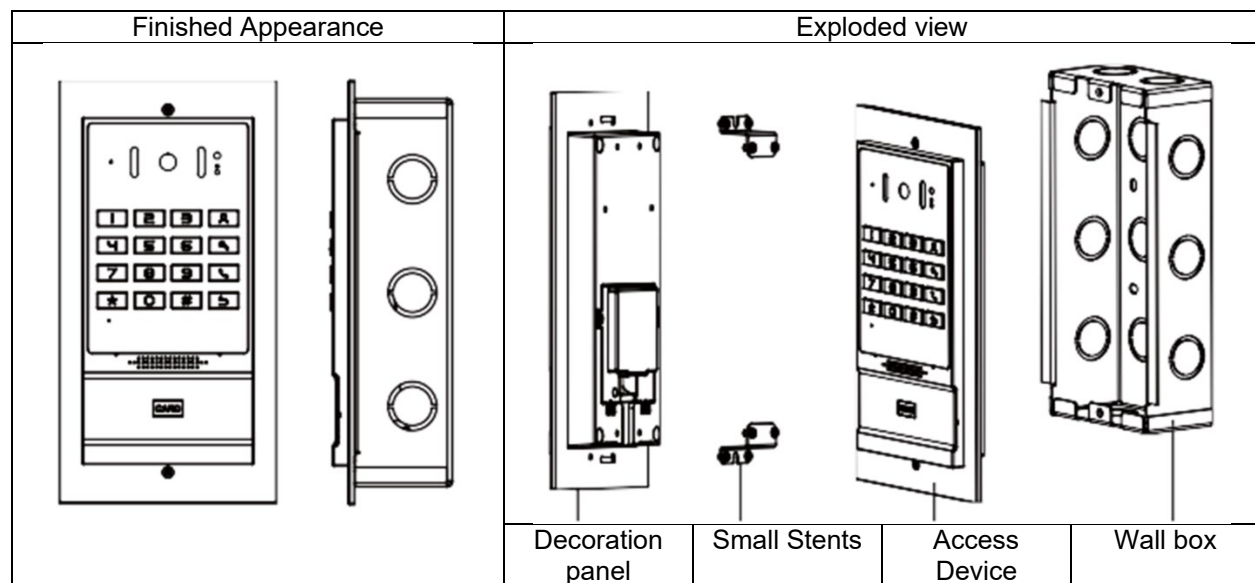


Flush mounting

Step 1: Installation preparation

- Check the following contents:
 - PM3*3mm screws x5
 - PM3*4mm screws x5
 - 6*30mm screws anchors x5
 - KB3*10mm screws x3
 - TA4*30mm screws x5
- Tools that may be required:
 - Phillips screwdriver, hammer, RJ45 crimper
 - Electric impact drill with an 8mm drill bit
 - Drywall saw

Flush mounting the device requires a box to be recessed into the wall as shown in the diagram below.



Accessing Web Interface

Getting IP Address

1. Power on device and wait for it to boot (about 30 seconds). Long press DSS key for 3 seconds.
2. When the speaker beeps rapidly, press the speed-dial button within 5 seconds.
The device will announce the IP address by voice.

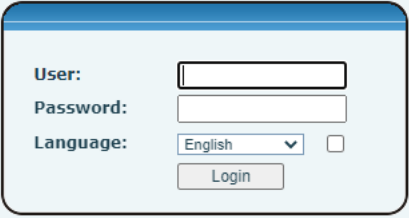
In addition, the device can switch IP address acquisition mode (Static vs DHCP mode):

1. Press and hold the speed-dial button for 3 seconds.
2. Wait for the speaker to beep, and then press the speed-dial button three times within 5 seconds.
The device will announce the IP address by voice after successfully switching to the network mode.

Settings

Step 1: Log in the access device

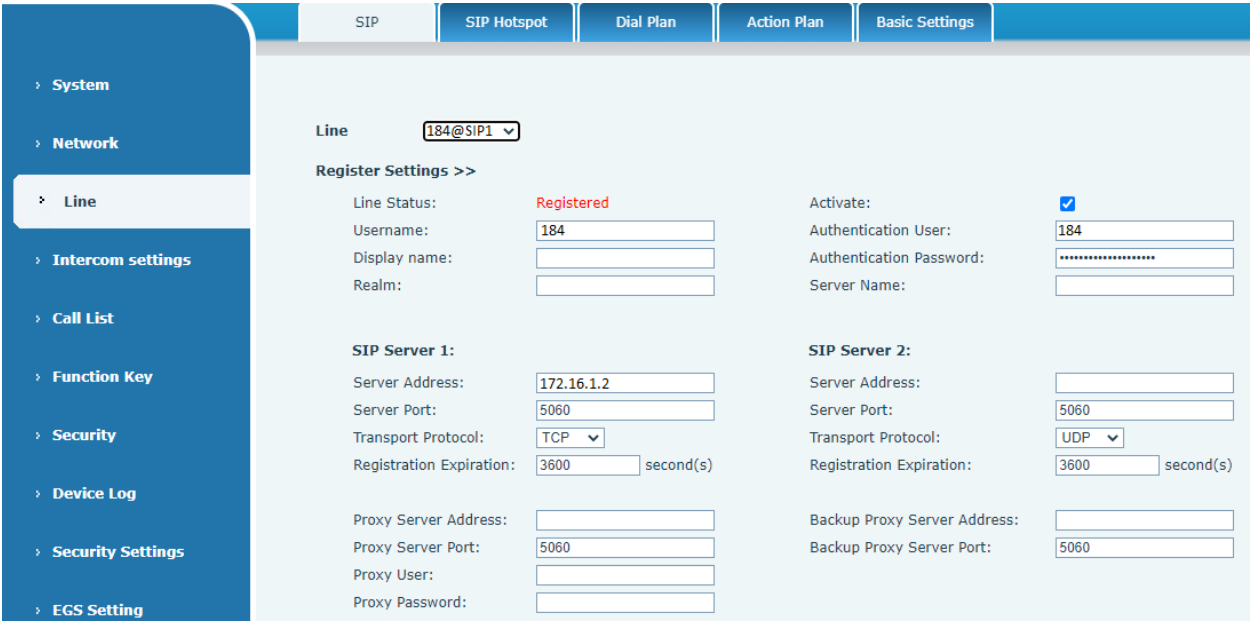
Input IP address (e.g. <http://192.168.1.128>) into address bar of PC's web browser. For eSIP, default user and password are admin/admin. For eCloud, default user and password are admin/SIPstn@ESI.



A login form with a light blue background and a blue header. It contains three input fields: 'User:', 'Password:', and 'Language:'. The 'Language:' field has a dropdown menu set to 'English' and a checkbox. Below the fields is a 'Login' button.

Step 2: Add the SIP account.

Set SIP server address, port, user name, password and SIP user with assigned SIP account parameters. Select "Activate", and then click Apply to save this setting.



The SIP configuration page in the web interface. It features a sidebar on the left with navigation links: System, Network, Line (selected), Intercom settings, Call List, Function Key, Security, Device Log, Security Settings, and EGS Setting. The main content area has a top navigation bar with tabs: SIP, SIP Hotspot, Dial Plan, Action Plan, and Basic Settings. Below the tabs, the 'Line' dropdown is set to '184@SIP1'. The 'Register Settings >>' section shows 'Line Status' as 'Registered'. The 'SIP Server 1' section includes fields for 'Server Address' (172.16.1.2), 'Server Port' (5060), 'Transport Protocol' (TCP), and 'Registration Expiration' (3600 second(s)). The 'SIP Server 2' section includes fields for 'Server Address', 'Server Port' (5060), 'Transport Protocol' (UDP), and 'Registration Expiration' (3600 second(s)). The 'Proxy Server' section includes fields for 'Proxy Server Address', 'Proxy Server Port' (5060), 'Proxy User', and 'Proxy Password'. The 'Backup Proxy Server' section includes fields for 'Backup Proxy Server Address' and 'Backup Proxy Server Port' (5060). The 'Activate' checkbox is checked.

Step 3: Setting DSS key

Set the DSS key as shown below for a quick start. Click “Apply” to save this setting. Type: Memory Key.

Number 1: The DSS Key will dial to this Number 1.

Number 2: If Number 1 is unavailable, it will be forwarded to Number 2. Line: Working line.

Subtype: Speed dial

Key	Type	Name	Value	Value2	Subtype	Line	Media
DSS Key 1	Memory Key		5522	5522	Speed Dial	184@SIP1	DEFAULT
DSS Key 2	None				None	AUTO	DEFAULT
DSS Key 3	None				None	AUTO	DEFAULT
DSS Key 4	None				None	AUTO	DEFAULT
DSS Key 5	None				None	AUTO	DEFAULT
DSS Key 6	None				None	AUTO	DEFAULT
DSS Key 7	None				None	AUTO	DEFAULT

Apply

Programmable Key Settings >>

Advanced Settings >>

Step 4: Access Device Setting

Feature Relay Card Password Time Profile Logs


Basic Settings

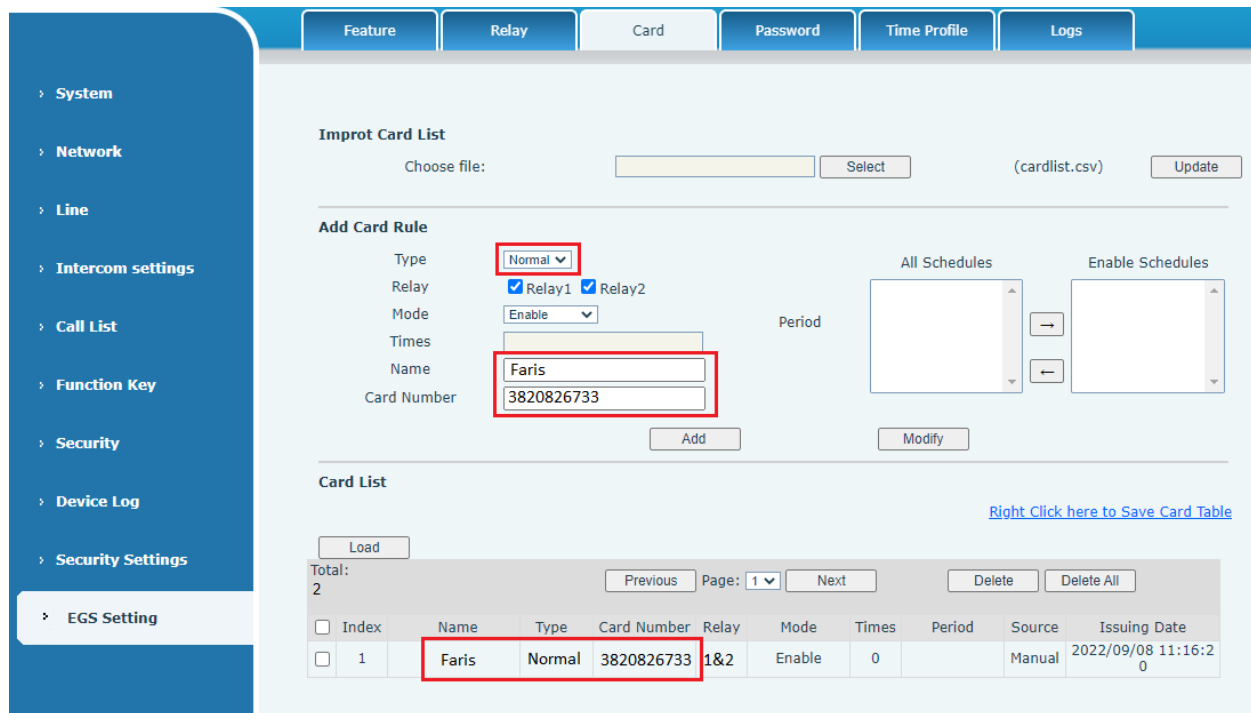
Relay1 Mode:	Monostable	Relay1 Open Duration	5
Relay2 Mode:	Monostable	Relay2 Open Duration	5
Relay2 Follow Mode	Independence	Asynchronization Delay Time	1
RFID Format	8H10D	Wiegand Format	8H10D
Wiegand Mode	Input	Wiegand Type	34
Relay Open Mode	<input checked="" type="checkbox"/> Card Reader <input checked="" type="checkbox"/> Password	Card Reader Working Mode	Normal
Keypad Input Mode	Password & Dial		
Relay Log Export Enable	<input checked="" type="checkbox"/>	Relay Log Info	<8>door\$index:
Relay Log Server Addr		Relay Log Server Port	30000

Apply

Door Unlocking Settings

RFID Card

- Step 1: Access control settings on web page>EGS Setting>Add Card Rule. Select "Type" ("Normal" card provides door opening function, "Add" card and "Del" card provides add and delete card function, Default "Normal" card)
- Step 2: Enter your name and card number (just enter the first 10 digits of the card number), and click "Add" to add the card to the list.
- Step3: Access the card reading area of the device through the configured ID card  to open the door.



The screenshot displays the 'EGS Setting' web interface. The left sidebar contains a navigation menu with options: System, Network, Line, Intercom settings, Call List, Function Key, Security, Device Log, Security Settings, and EGS Setting (highlighted). The main content area has tabs for Feature, Relay, Card, Password, Time Profile, and Logs. The 'Card' tab is active, showing the 'Import Card List' section with a 'Choose file:' input and a 'Select' button. Below this is the 'Add Card Rule' section, which includes fields for Type (Normal), Relay (Relay1 and Relay2 checked), Mode (Enable), Times, Name (Faris), and Card Number (3820826733). There are 'Add' and 'Modify' buttons. To the right are 'All Schedules' and 'Enable Schedules' sections. Below the 'Add Card Rule' section is the 'Card List' section, which includes a 'Load' button and a table of card entries. The table has columns for Index, Name, Type, Card Number, Relay, Mode, Times, Period, Source, and Issuing Date. The first entry is highlighted with a red box.

Index	Name	Type	Card Number	Relay	Mode	Times	Period	Source	Issuing Date
1	Faris	Normal	3820826733	1&2	Enable	0		Manual	2022/09/08 11:16:20

Remote Password

- Step 1: Set access control on the web page. Go to EGS Setting>Password>Add password rule. Select "Remote"
- Step 2: Enter the Name, Password and Number, Press Add to Password Table.
- Step 3: The owner answers the access control call and presses " * " (default password) or "123456" (new password) to open the door for visitors

The screenshot displays the 'EGS Setting' web interface. On the left is a navigation menu with options: System, Network, Line, Intercom settings, Call List, Function Key, Security, Device Log, Security Settings, and EGS Setting (highlighted). The main content area has tabs for Feature, Relay, Card, Password, Time Profile, and Logs. The 'Password' tab is active, showing the 'Import Password List' section with a file upload area. Below this is the 'Add Password Rule' form, where 'Type' is set to 'Remote', 'Relay' has 'Relay1' and 'Relay2' checked, 'Mode' is 'Enable', and the 'Name', 'Password', and 'Number' fields are filled with 'Faris', '123456', and '17216718897' respectively. To the right of the form are 'All Schedules' and 'Enable Schedules' dropdowns. Below the form is the 'Password List' table, which contains one entry for 'Faris' with a 'Remote' type and '17216718897' number. The table also shows the 'Relay' as '1&2', 'Mode' as 'Enable', and 'Issuing Date' as '2022/09/08 11:16:20'.

Import Password List

Choose file: (passwordlist.csv)

Add Password Rule

Type: **Remote**

Relay: ☒ Relay1 ☒ Relay2

Mode: **Enable**

Times:

Name: **Faris**

Password: **123456**

Number: **17216718897**

Password List

[Right Click here to Save Password Table](#)

Total: 1

Page: 1

<input type="checkbox"/>	Index	Name	Type	Number	Relay	Mode	Times	Period	Source	Issuing Date
<input type="checkbox"/>	1	Faris	Remote	17216718897	1&2	Enable	0		Manual	2022/09/08 11:16:20

Local Password

- Step 1: Configure access on Web>EGS Setting>Password>Add password rule. Select "Local" (only the AC64v supports local password access).
- Step 2: Enter the Name and Password, Press Add to Password Table.
- Step 3: Owners and visitors can open the door by entering "6789" (default password) or "123456" (new password) by using the keypad.

Improt Password List

Choose file: (passwordlist.csv)

Add Password Rule

Type: Local

Relay: ☒ Relay1 ☒ Relay2

Mode: Enable

Times:

Name: Faris

Password: 123456

Number:

Password List

[Right Click here to Save Passowrd Table](#)

Total: 1 Page: 1

<input type="checkbox"/>	Index	Name	Type	Card Number	Relay	Mode	Times	Period	Source	Issuing Date
<input type="checkbox"/>	1	Faris	Local		1&2	Enable	0		Manual	2022/09/08 11:16:20