

i66&i67

Fanvil

Quick Installation Guide

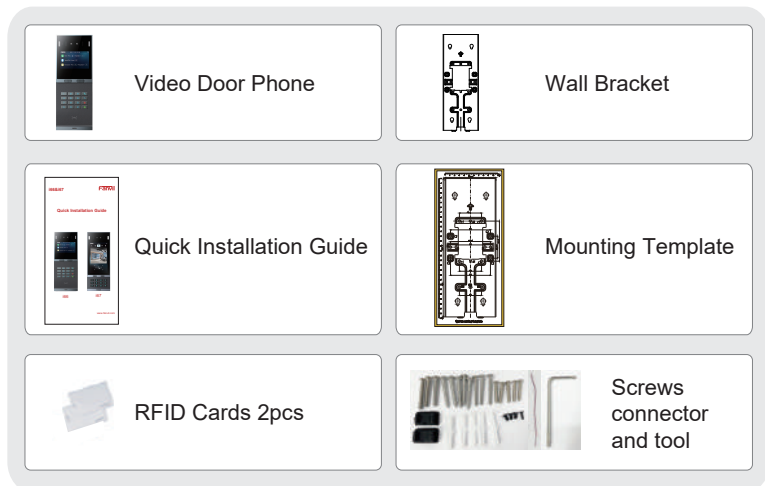


i66



i67

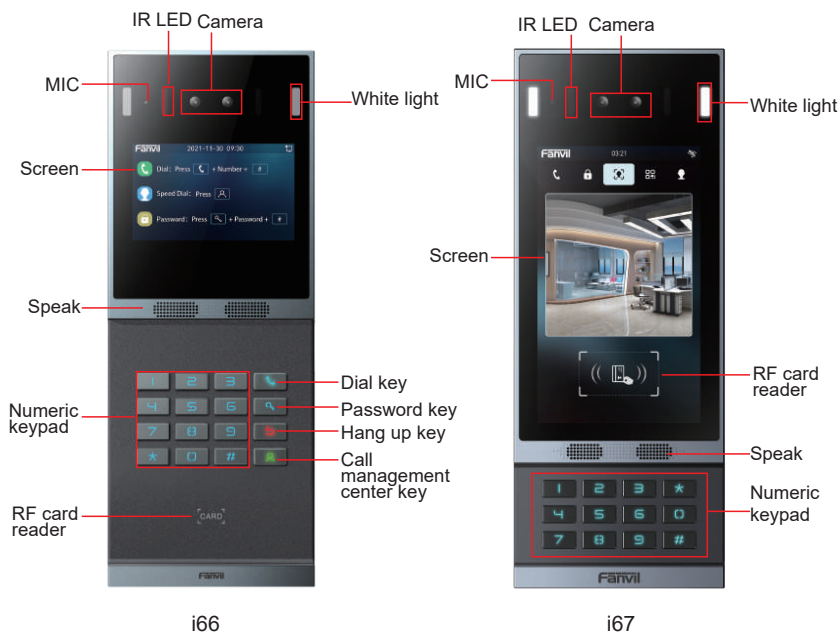
① Package Contents



② Physical specification

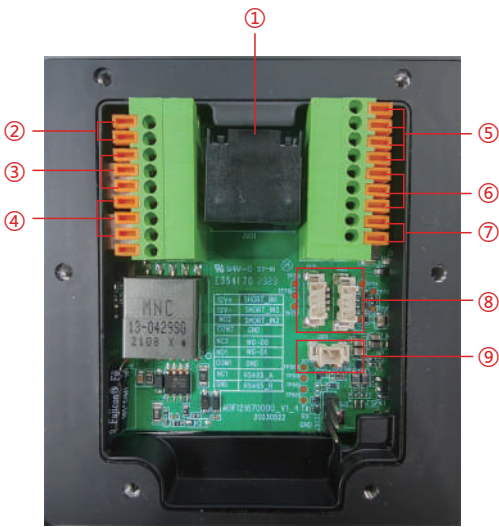
Model	Device size
i66&i67	300 X 115.6 X 35 (mm)

1) Panel



2) Interface description

Open the back cover of the device, there is a row of wiring terminals for connecting the power supply, electric lock control, etc. The connections are as follows:



Number	Description
①	Ethernet interface: standard RJ45 interface, 10/100M self-adaptive, it is recommended to use Category 5 or Super Category 5 network cable
②	Power interface: 12V/2A input, note that the top is positive and the bottom is negative
③、④	Two sets of short-circuit output control interfaces: used to control electric locks, alarms, etc.
⑤	Two sets of short-circuit input detection interfaces: used to connect input devices such as switches, infrared probes, door sensors, and vibration sensors
⑥	Wiegand interface(D0/D1/GND)
⑦	RS485 interface(A/B)
⑧	USB interface , 4P/1.25 pitch
⑨	Line out interface for connecting auxiliary hearing aids

3) Wiring instructions:

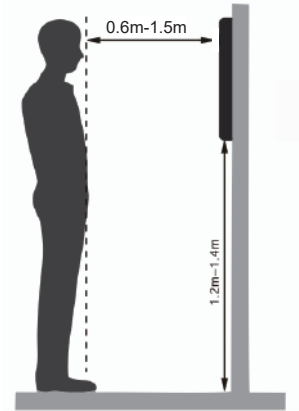
NO: Disconnected in idle state (normally open) ;
COM: Relay contact (common) ;
NC: Connected in idle state (normally closed)

Power Supply For Lock	Electric-lock Mode		Wiring
	Power off and open the door	Power on and open the door	
√	√		
√		√	
√	√		

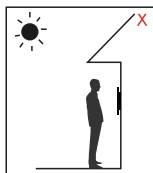
3 Installation Instructions

3.1.1: Notice

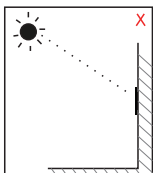
- Do not install the i66/i67 to places with condensation, high temperature, grease or dust,
- Install the unit at a suitable visual height, with a recommended height of 120~140cm. If it is installed indoors, please maintain a distance of at least 2 meters from light sources and at least 3 meters from doors and windows to avoid direct sunlight.



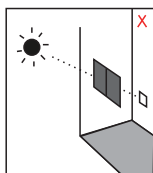
- Avoid violent vibration, collision and impact, which may cause damage to the internal precision components and the shell.
- When powering on, if any abnormal situations are identified, the power supply should be cut off immediately until the issue is resolved. After the system is disconnected abnormally, please check it in sections. If the cause can not be identified, please contact the sales agent or the manufacturer's after-sales service provider, and do not repair the system by yourself. When using the proximity card, it should be kept safe from magnetism, water, and bending. When equipped with facial recognition functionality, install it in an evenly lit environment, avoiding situations where the camera is against strong backlight, exposed to oblique light, or subjected to close-up illumination.



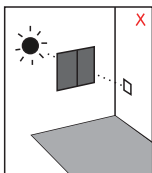
Face backlight



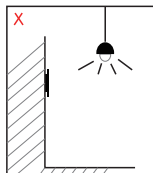
Direct sunlight



Sun shines directly through the window



Sun slanted through the window



Lighting at close range

Note:

- Biometric recognition products cannot be considered 100% suitable for all recognition scenarios.
- For scenarios with high security requirements, please configure access with combined authentication.

4 Installation Diagram

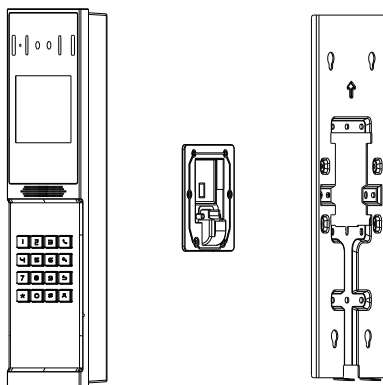


Figure 3-1

Figure 3-1 The three parts of the i66,

Wall mounting:

Step 1: Installation preparation

A. Check the following contents:

- KM3*30 screw x3
- TA4 x 30mm screw x5
- $\phi 6$ *30mm screw anchor x5
- KM4*30 screw x3
- TM6#*20/screw x5
- KM3*6mm screw x3
- KB2.6*5 screw x1

B. Tools required for installation

- The special L-shaped Torx screw tool provided with the product
- Ph2 or Ph3 Phillips screwdriver, hammer, RJ45 crimping pliers
- Wall drilling impact drill, 8mm impact drill x1

Step 2: Drilling

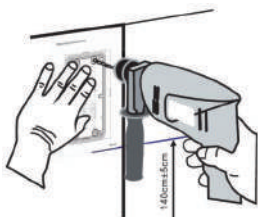


Figure 3-2 Wall Mounting / Built-in

- Paste the installation dimension drawing to the position to be installed.
- Use an electric drill to drill the 4 holes marked on the mounting template.
Remove the template when finishing drilling.
- Push or hammer screw anchors into the drilled holes.

Step 3: Removing hanging bracket and back shell

- A. The wall bracket is separated from the device downwards, and use a screwdriver to loosen the 6 screws of the rear case, as shown in the figure 3-3,

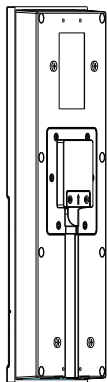


Figure 3-3-a

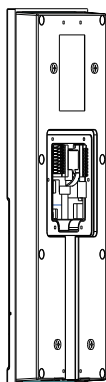
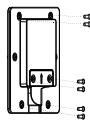


Figure 3-3-b



Step 4: Install the wall bracket, wiring and casing

- A. Align the screw holes of the wall bracket with the drilled holes on the wall, put in the $\phi 6 \times 30$ mm rubber plug, and fix it on the wall with the TA4*30mm screws provided, as shown in Figure 3-4.
- B. Pass all the wires through the silicone plug in the middle of the bottom case, and reserve a length of 15~20CM for all wires, as shown in Figure 3-5.

Note: The outlet hole of the bottom case faces down.

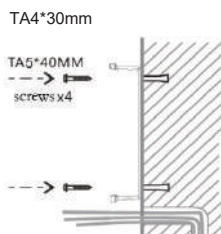


Figure 3-4

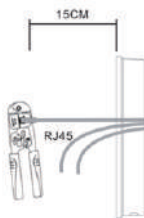
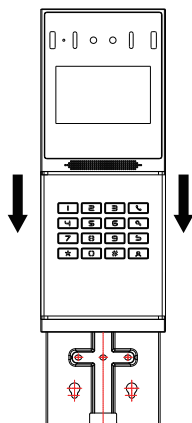


Figure 3-5

- C. Connect the network cable with the RJ45 crystal head, and connect the power cable and the terminals of the electric lock control cable. Please refer to Section 2 for the connection sequence.
- D. Connect the connected terminals to the motherboard socket, see Section 2 for the connection location.
- E. Test whether there is electricity by doing the following:
Enter the dialing interface, enter #*107, enter the password, enter the engineering mode, you can view the IP address of the device, and you can switch between static and dynamic IP modes.
Enter the local opening password or test the indoor opening to see if the electric lock works normally.
If it works fine, continue with the next steps.
- F. Fasten the device and the wall bracket from top to bottom, and tighten the screws at the bottom, as shown in the figure 3-6.

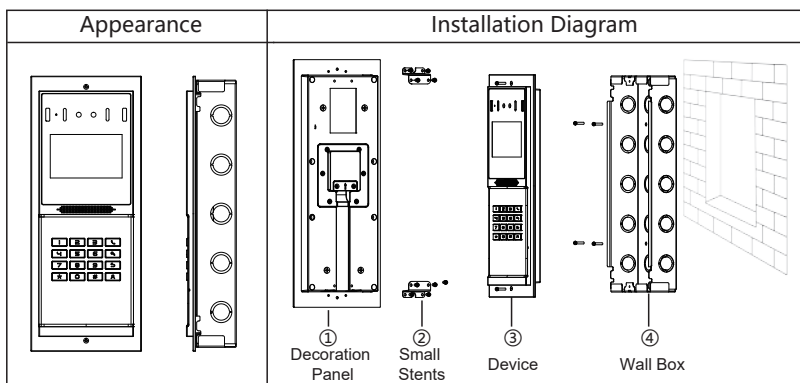


Flush mounting:

Step 1: Installation preparation

A. Check the following contents:

- Built-in wall box x1
- Built-in wall decorative panel x1
- Built-in wall bracket x2
- KM3*6mm screw x3
- PM3*3mm screw x5
- PM3*4mm screw x5
- φ6*30mm screw anchor x5
- M3*70mm screwdriver x1

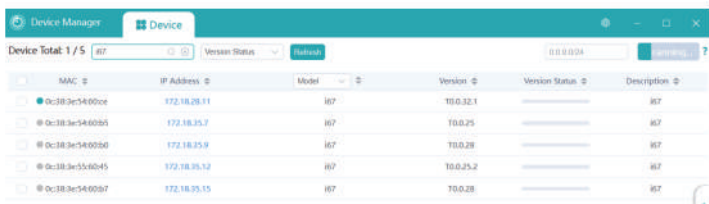


5 IP address of the device

There are two ways to query the IP of the device, as shown below:

Method 1:

Open the IP scan tool, click the refresh button, search and find the IP address of the device. (Download link: <https://www.fanvil.com/>)



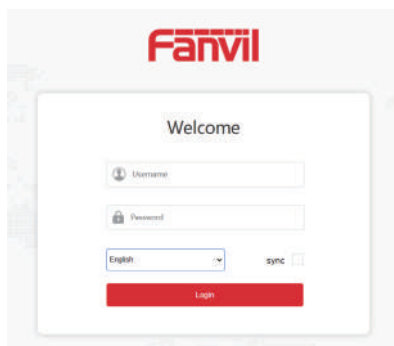
Method 2:

Enter the dial interface, enter `#*107`, enter the password, enter the engineering mode, you can view the IP address of the device, and you can switch between static and dynamic IP modes.

⑥ IP access control settings

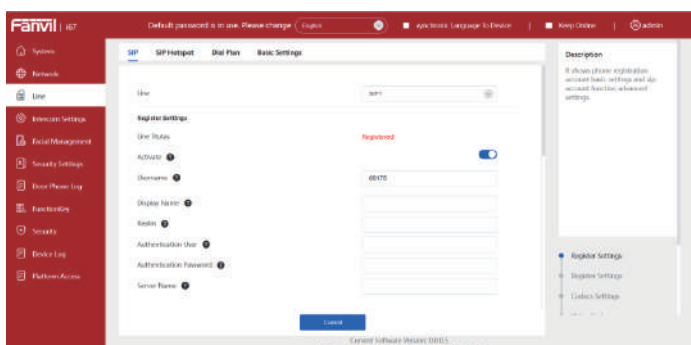
Step 1: Log in to the device webpage

Use a web browser to enter the IP (eg `http://192.168.1.128`) to access, The default username is admin and the password is admin.



Step 2: Set up a SIP account

Through the assigned SIP account, configure the SIP server address, port, user name, password and number respectively. Then check [Enable] and click [Submit] to save this setting.



Step 3: Set Speed Dial Keys

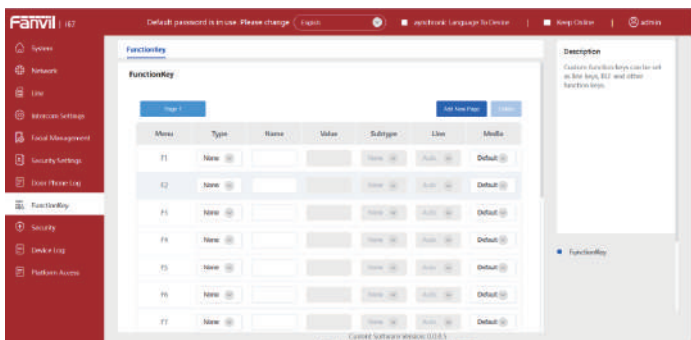
Set the speed dial parameters of the speed dial key, as shown below, click [Submit] to save this setting.

Type: memory key.

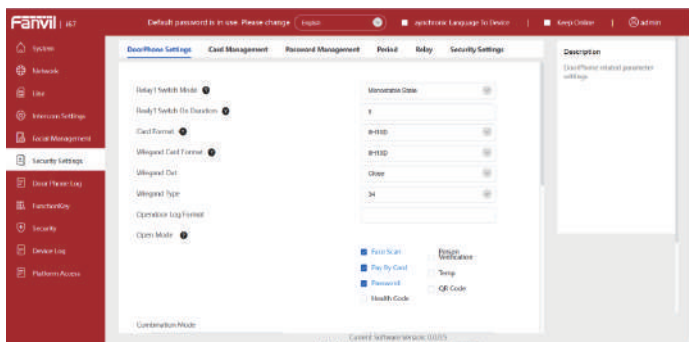
Line: The SIP line used for the call.

Value 1: The number to call.

Subtype: Speed Dial.



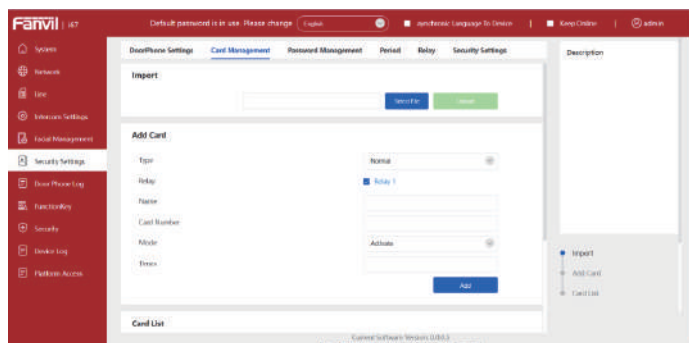
Step 4: Access control parameter settings



⑦ Open door settings

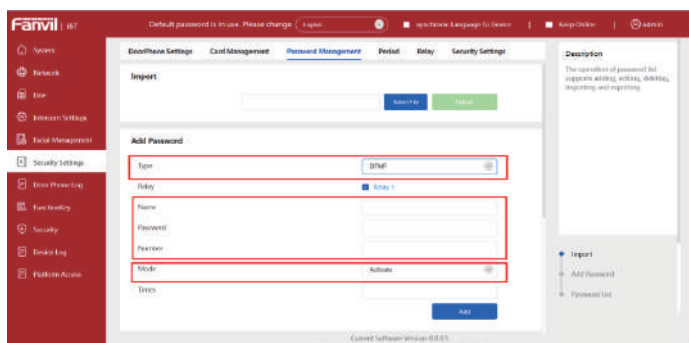
Swipe to open the door

- Web page access security settings→card management→add card→select card type (The standard card provides the door opening function, and the add card and delete card provide the add and delete card function. Default Standard Card)
- Enter the name and card number (only the first 10 digits of the card number are required), click Add to add to the card list.
- Open the door by swiping the card in the card reading area of the device through the configured ID card.



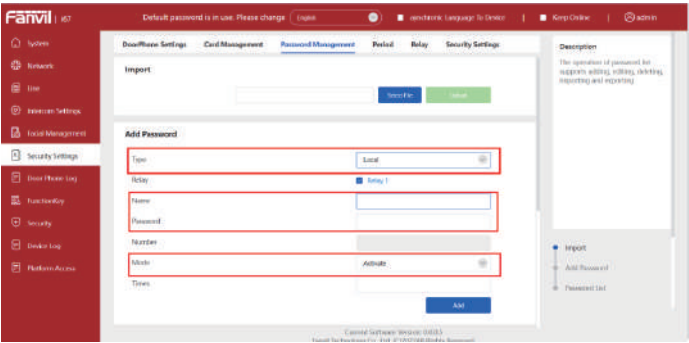
Remote to open the door

- On the web page, go to Security Settings→Password Management→Add Password→Select Type as DTMF
- Enter name, password and number, click Add to add to the password list.
- The owner answers the door call, press "*" (default password) or add a new password to open the door for the visitor.



Password to open the door

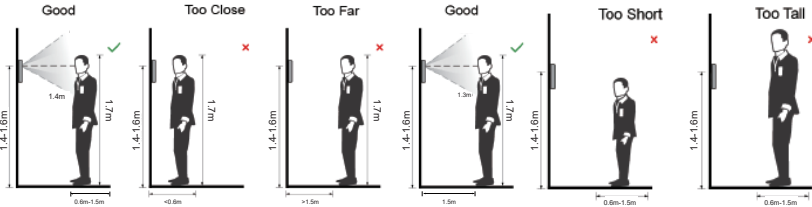
- On the web page, go to Security Settings→Password Management→Add Password →Select Type as Local
- Enter your name and password, click Add to add to the password list.
- Owners and visitors can directly use the dial pad to enter "6789" (default password) or "Add password to open the door".



Appendix 1 Notes of Face Recording

Face Position

If faces are not at the appropriate position, face recognition effect might be influenced.



Appendix figure 1-1 Appropriate face position.

Requirements of Faces

- Make sure that the face is clean and forehead is not covered by hair.
- Do not wear glasses, hats, heavy beards, or other face ornaments that influence face image recording.
- With eyes open, without facial expressions, and make your face is toward the center of camera.
- When recording your face or during face recognition, do not keep your face too close to or too far from the camera.



Appendix figure 1-2 Head position



Appendix figure 1-3 Face distance

When importing face images through the management platform, make sure that image resolution is within the range less than1080*1920; image pixel is more than 128×128; image size is less than 200KB, and image name and person ID are the same.

- Make sure that face more than 1/3 of the whole image area,