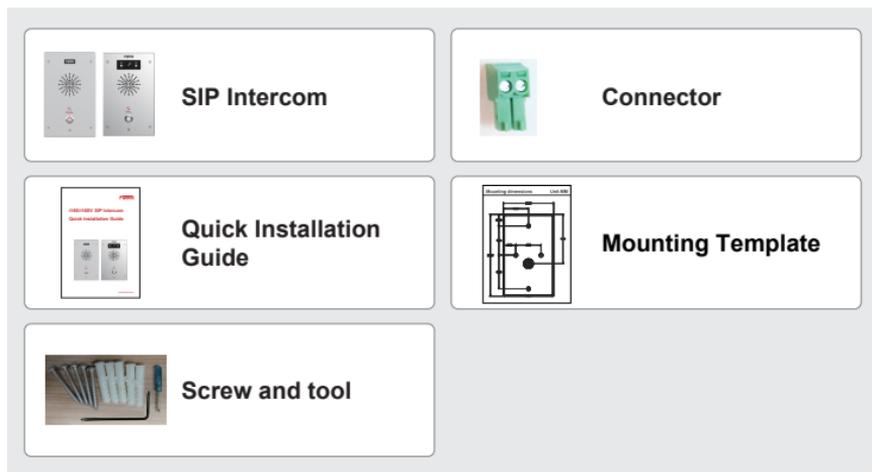


# i16S/i16SV SIP Intercom Quick Installation Guide



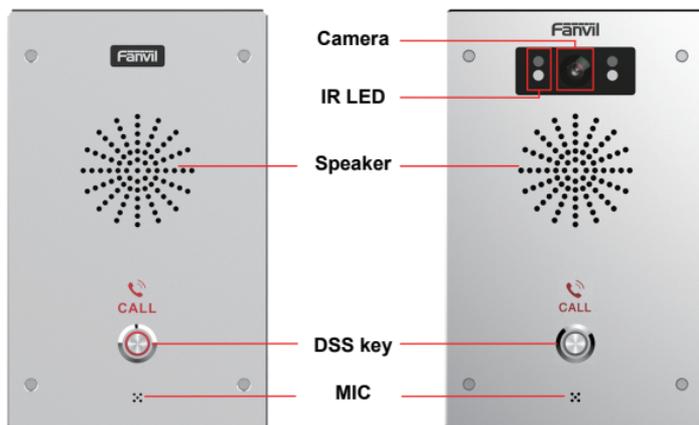
## 1 Package Contents



## 2 Physical specification

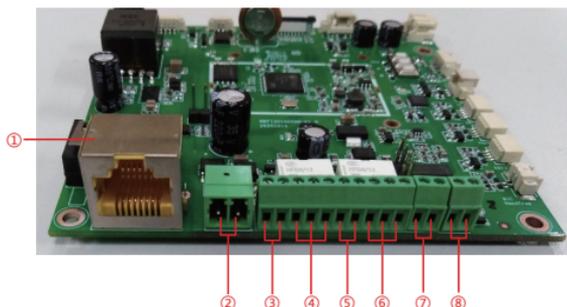
Device size	195 x 120 x 40 (mm)
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### 1) Panel



## 2) Interface description

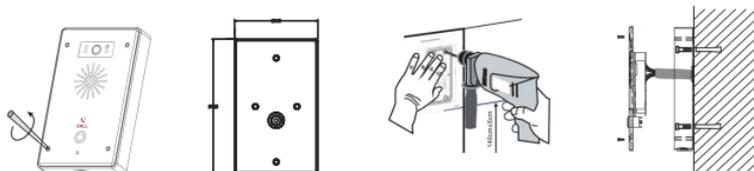
Open the rear case of the device, there is a row of terminal blocks for connecting the power supply, electric lock control, etc. The connection is as follows:



Serial number	Description	Wiring port description(example above)
①	Ethernet interface: standard RJ45 interface, 10/100M adaptive, it is recommended to use five or five types of network cable	
②	Power interface: 12V/1A input	Left positive, right grounded
③、⑤	Two groups of short-circuit input detection interfaces: for connecting switches, infrared probes, door magnets, vibration sensors and other input devices	Left IN, right OUT
④、⑥	Two groups of short-circuit output control interface: used to control electric locks, alarms, etc.	Left (NC): Normally Close Contact Center (COM): Common Contact Right (NO): Normally Open Contact
⑦	Recording output interface: Mix the device and the sound of the far-end call. One is the recording signal line, and the other is the ground line (be sure to ground the line, otherwise there will be noise)	Left grounded, right recording output
⑧	External active speaker interface: external active speakers for audio power amplification. One is the audio signal line, and the other is the ground line (be sure to ground the line, otherwise there will be noise)	Left grounded, right external active speaker

## 3 Installation Diagram

- 1) Use built-in screw tool to remove the surface shell;
- 2) Based installation dimensions, mounting hole in the wall to draw, use an electric drill holes lay;
- 3) The white rubber plugged into the wall and the bottom fixed with screws to the wall;
- 4) After connecting the power cord and network cable, screw the surface shell fixed.





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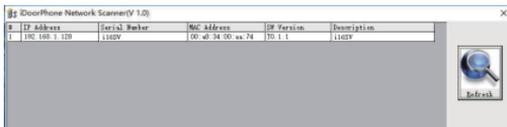
## 4 Searching device

There as shown below to search the device.

### Methods 1:

Download address: <http://download.fanvil.com/tool/iDoorPhoneNetworkScanner.exe>

Open the iDoorPhone Network Scanner. Press the Refresh button to search the device and find the IP address.



### Method 2:

Long press DSS key for 3 seconds(after power-on for 30 seconds), and when the speaker beeps rapidly, press DSS key again quickly, the beeps stop ,the intercom will report the IP address by itself.

### Method 3:

In addition, device provides the device surface DSS key operation to switch IP address acquisition mode:

In the standby mode, long-press the DSS key for 3 seconds and the beep will last for 5 seconds.

Within 5 seconds, press the DSS key three times quickly to switch to the network mode.

a. If it is in the mode of DHCP and doesn't receive the IP address, switch it to the mode of static IP (192.168.1.128), broadcast the IP address after the successful switch.

b. If it is in the mode of static IP address (192.168.1.128), switch it to the DHCP mode, broadcast the IP address after the successful switch.

c. If it is in the mode of DHCP and obtain the IP address, the mode will not be switched and directly broadcast the IP.

Default Setting			
Default DHCP Client	Enabled by default	Static IP address	192.168.1.128
Voice broadcast IP address	Hold the DSS key for 3 seconds, then press the DSS key again.	Default Web port	80

## 5 Fast settings

### Step 1:Log in to the device page

Use the web browser input IP (for example: <http://192.168.1.128>) access.

The default user and password are admin.



## Step 2: Set 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 screenshot shows the 'SIP Account' configuration page. The 'SIP Line' is set to 'SIP001'. Under 'Registrar Settings', the 'Line Status' is 'Active'. The 'SIP User' is 'SIP001', 'SIP Name' is 'SIP001', and 'Auth' is 'Basic'. The 'Authenticate User' is 'SIP001' and the 'Authenticate Password' is 'SIP001'. Under 'SIP Server 1', the 'Server Address' is '192.168.1.100', 'Server Port' is '5060', 'Transport Protocol' is 'UDP', 'Registration Expiration' is '3600', and 'Proxy Server Address' is 'SIP001'. Under 'SIP Server 2', the 'Server Address' is 'SIP001', 'Server Port' is '5060', 'Transport Protocol' is 'UDP', 'Registration Expiration' is '3600', and 'Backup Proxy Server Port' is '5060'.

## Step 3: Set the volume (if not connected can skip)

Intercom settings => Media Settings => Media Settings

Set the device volume size, as shown below, click [Apply].

**Speakerphone volume setting:** set the speaker volume of normal calls.

**Handsfree Mic Gain:** set the microphone volume of call.



The screenshot shows the 'Media Settings' configuration page. Under 'Media Settings', 'Speakerphone Volume' is set to 100, 'Handsfree Mic Gain' is set to 100, and 'Speakerphone Mute' is set to 'Off'. Under 'SIP General Protocol/RTCP Settings', 'SIP Settings' are visible.

## Step 4: Set function key (if not connected can skip)

Set the function key as shown below for a quick start, click [Apply] to save this settings.

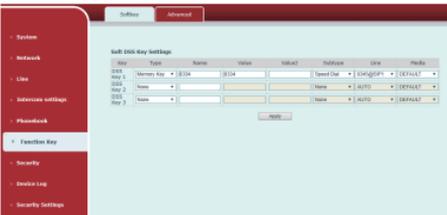
**Type:** Memory key

**Number 1 (Value):** the function key will dial to this number 1

**Number 2 (Value 2):** if number 1 is unavailable, it will be forwarded to number 2.

**Subtype:** speed dial

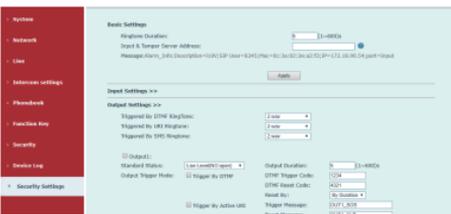
**Line:** working line



The screenshot shows the 'Soft-DSS Key Settings' configuration page. It contains a table with columns: Key, Type, Name, Value, Value2, Subtype, Line, and Help. The table has three rows: 'SIP' (Type: Service Key, Name: SIP, Value: 1234, Value2: 1234, Subtype: Speed Dial, Line: 1), 'SIP2' (Type: Service Key, Name: SIP2, Value: 1234, Value2: 1234, Subtype: Speed Dial, Line: 1), and 'SIP3' (Type: Service Key, Name: SIP3, Value: 1234, Value2: 1234, Subtype: Speed Dial, Line: 1). There is an 'Apply' button below the table.

## Step 5: Set the security function

1 set of short-circuit input and output settings, tamper alarm server settings.



The screenshot shows the 'Basic Settings' configuration page. Under 'Input Settings', 'Triggered by SIP Register' is set to 'Line', 'Triggered by SIP Register' is set to 'Line', and 'Triggered by SIP Register' is set to 'Line'. Under 'Output Settings', 'Standard Status' is set to 'Line', 'Output Duration' is set to '30-seconds', 'Output Trigger Code' is '1234', 'SIP Trigger Code' is '1234', 'SIP Reset Code' is '1234', 'Reset ID' is '1234', 'Trigger ID' is '1234', and 'Trigger Message' is '1234, 1234'.