

NovoSIP



Video intercom SIP with Raspberry Pi and camera for apartment buildings or offices.

Open the door to the driver, to your customers or friends you're at home, at your desk or in your garden from your smart phone or tablet!



The SIP software installed in the NovoSIP, enables communication with the tablet, PC or Smartphone equipped with SIP software (free download) when you press the call button.

The NovoSIP door station behaves like a phone ringing on the smartphone or tablet equipped with Oyoma SIP application. The resident can see the visitor and chose to start the dialogue and open the door by pressing the key icon on his SIP client application software.

Operating principle



The door station NovoSIP includes a great internal SIP server FreeSwitch for residential or office: no need to have an external SIP server in your installation. Just connect the NovoSIP to your router or switch and enter the local IP address in the device you want to communicate. You can also use an external SIP server your choice.

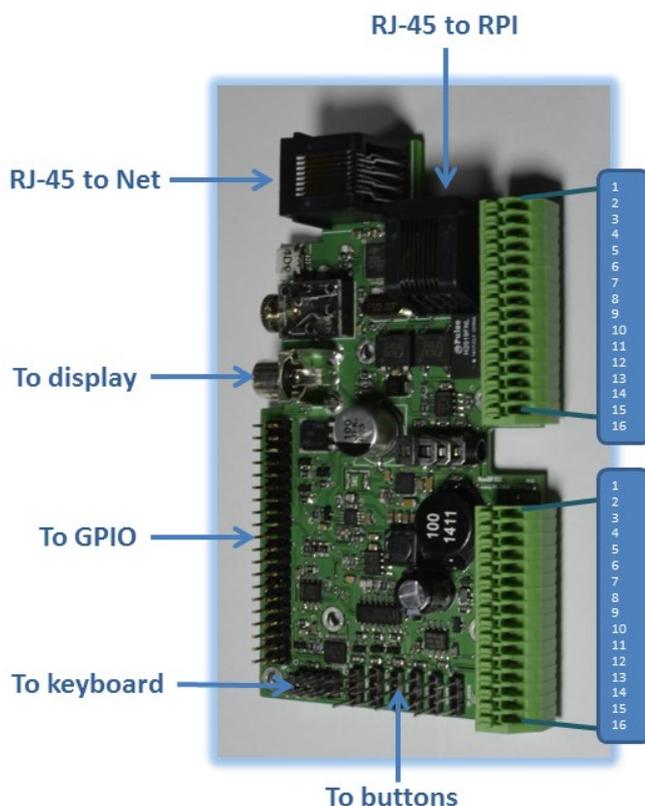
SIP client on Android



A powerful solution

- ◇ Capacity 500 names to call using the alphabetical search on the screen or by direct call number on the keypad
- ◇ Can work with multiple building access with several door stations
- ◇ Graphic color display and backlit keyboard stainless steel.
- ◇ Possibility of using the Raspberry Pi for other purposes such as Bluetooth Low Energy Objects for access control, notifications etc ...
- ◇ Ethernet connection with PoE including two electric strikes.
- ◇ Possibility of using three signal LEDs for optional LED (for handicaps, enlightenment and other uses).
- ◇ Alarm input for various uses: burglary, remained open door etc ...
- ◇ RS-485 connection for connecting access control.
- ◇ Works with SIP clients on Android or Windows

Connection details of the card I / O connected to the Raspberry Pi



LOWER	
1	VIDEO
2	GROUND
3	SPEAKER +
4	SPEAKER -
5	+ 12 V
6	GROUND
7	+ 5 V
8	GROUND
9	LOCK 1 +
10	LOCK 1 -
11	LOCK 2 +
12	LOCK 2 -
13	ALARM INPUT
14	GROUND
15	EXIT
16	EXIT

TOP	
1	+ 48 V
2	GROUND
3	DIODE 0 +
4	DIODE 0 -
5	DIODE 1 +
6	DIODE 1 -
7	DIODE 2 +
8	DIODE 2 -
9	AUDIO T
10	AUDIO R
11	AUDIO S
12	FREE
13	GROUND
14	+ 12 V
15	RS-485 A
16	RS-485 B



Specifications

- ◇ Aluminium plate 6 mm thick
- ◇ 16 keys keyboard, TFT screen 4.3" 480 x 272
- ◇ Raspberry Pi Model B +
- ◇ Camera 5 million pixels
- ◇ 1.5W speaker - 8 Ohm
- ◇ Electret microphone
- ◇ Connections: 4 x USB, RS-485, GPIO, RJ-45 Ethernet
- ◇ Audio codecs: iSAC, speex, G711, SILK, iLBC, GSM,
- ◇ PCMU, PCMA
- ◇ Video codecs: VP8, H.264, MP4V-ES H.263-1998
- ◇ Echo cancellation
- ◇ SIP Authentication: MD5 Digest
- ◇ SIP Signaling Support: sip RFC3261
- ◇ Encryption: RTP, SRTP
- ◇ Protocol door opening: DTMF, owner
- ◇ Dimensions: 335 x 160 x 50 mm
- ◇ Consumption in stand-by: 6 W
- ◇ Maximum power consumption: 12 W
- ◇ Standard 802.3af PoE door lock included (12V / 7000 mA max)
- ◇ Temperature: -25 degrees Celsius to 50

Examples of setting screens generated by the NovoSIP internal web server



Settings

[Use local mode](#) [Use custom](#)

Antisip Settings (usable with an internet connexion)

Your client settings :

- domain : sip.antisip.com

Refer to the "users" tab for account's informations

Don't forget to register your **free Antisip** accounts on <http://www.antisip.com>

Your Antisip account login

Your Antisip account password

Door open delay

Soundcard rate

Gate 2 Announcement

[Save settings](#) [Apply settings](#)



Users

Name	Direct call number	Actions
Barreteau	11	Modify user Delete User
Delarue	14	Modify user Delete User
Franchesko	16	Modify user Delete User
Francis - Fauvel	18	Modify user Delete User
Jean-Roger	17	Modify user Delete User
Laredo	13	Modify user Delete User
Machado	12	Modify user Delete User
Vincent	15	Modify user Delete User

[Add a new user](#) [Export user list](#)

Access codes

#1882 [Modify code 1](#)

#2032 [Modify code 2](#)

#5589 [Modify code 3](#)

[Activate new user list](#)