SI-002 Quick Start

This Quick Start will provide information needed to get started with SI-002. Please also consult the User Manual for detailed information on the setup and use of SI-002.

What's In the Box ?

In addition to this guide, the package includes the following item:

SI-002 Module   Product CD   Quick Start
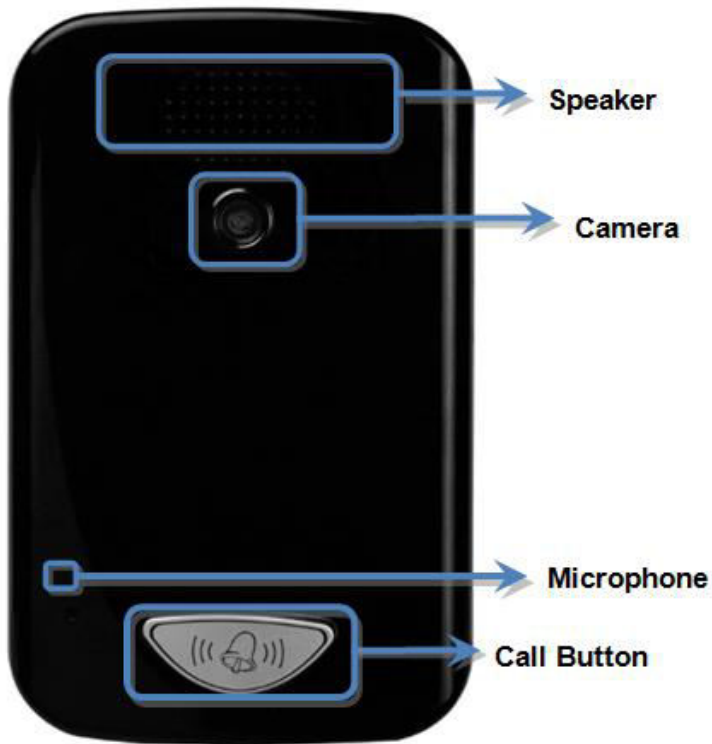
Technical Support

- **SI-002 User Manual**
  http://ftp.icpdas.com/pub/cd/ba-ha/si-002/user_manual

- **SI-002 Website**
  http://www.icpdas.com/root/product/solutions/ba_ha/si-002.html

Overview

Here is a brief overview of the components and its descriptions for module status.

- **Front Panel**

➤ Call Button with LED Indicator

When the module is off line and user push call button, the module will dial to preset sip client. When the module is online and user push call button, the module will end current call.

LED Indicator is shown current status, as shown in the below.

LED Action	Current status
High brightness	On line
Low brightness	Off line

● **Back Panel**
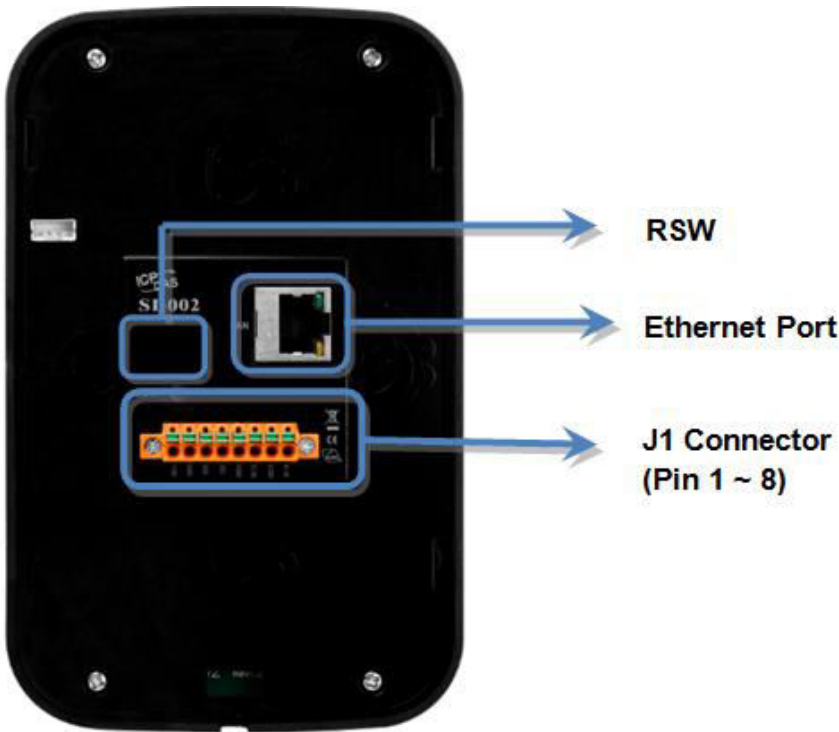
➤ RSW (Rotary Switch)

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RSW Value	Function
A	Set network interface to DHCP mode
B	Set network interface to static IP mode. IP: 192.168.72.30 Mask: 255.255.0.0 Gateway: 192.168.1.1
E	FW Update Mode
F	Recover system settings
Other	N/A

➤ Ethernet Port

An Ethernet port is an opening on SIP network equipment that Ethernet cables plug into. Ethernet ports accept cables with RJ-45 connectors.
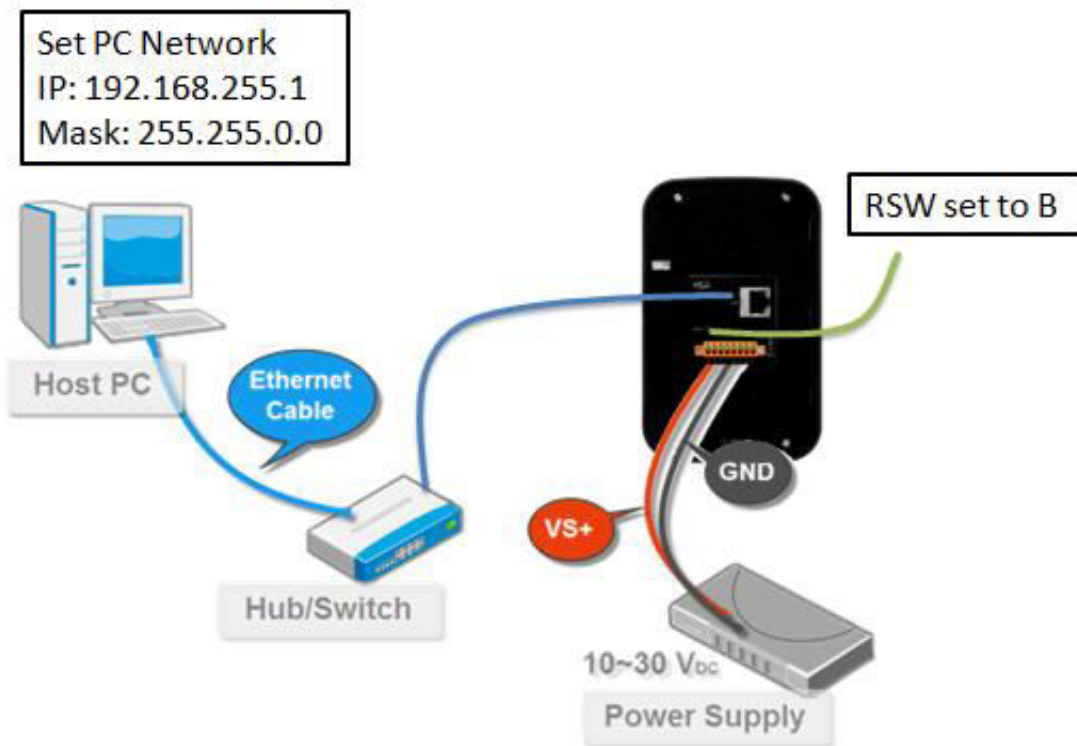
➢ J1 Connector
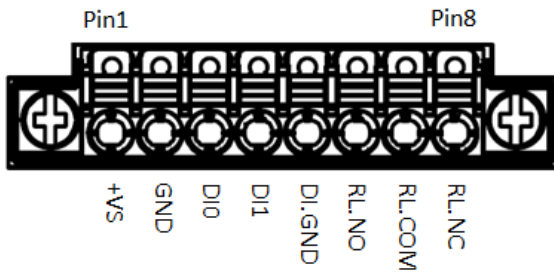
Pin	Name	Description
1	+Vs	V+ of Power Supply
2	GND	GND of Power Supply
3	DI0	Digital Input CH0
4	DI1	Digital Input CH1
5	DI.GND	Digital Input GND
6	RL.NO	Relay Normally-Open
7	RL.COM	Relay Common
8	RL.NC	Relay Normally-Closed

Let's Start

In the following examples the MicroSIP utility is used. It allowing to do high quality VoIP calls (person-to-person) via open SIP protocol.

➢ Connecting to Network, PC and Power

The SI-002 is equipped with an RJ-45 Ethernet port for connection to an Ethernet hub/switch and PC. Please set RSW of SI-002 and PC Network as below.

Set PC Network
IP: 192.168.255.1
Mask: 255.255.0.0

Host PC

Ethernet
Cable

Hub/Switch

RSW set to B

GND

VS+

10~30 V_DC

Power Supply

➤ Installing the MicroSIP Utility

The MicroSIP Utility is a open source portable SIP softphone based on PJSIP stack for Windows OS. The user can use this Utility to connect with SI-002.

Step 1: Get the MicroSIP Utility tool

The MicroSIP Utility can be obtained from below link:
http://www.microsip.org/downloads

Step 2: Follow the prompts to complete the installation
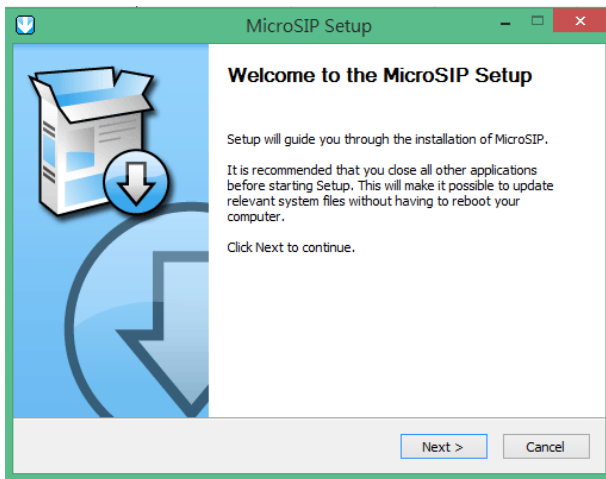
➤ Using SI-002 connect to MicroSIP Utility

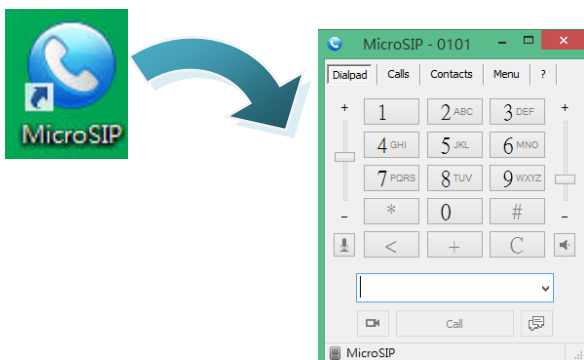When RSW of SI-002 set to B, SI-002 will use a default IP settings to connect PC.

The default IP settings are as follows:

SI-002	
IP Address	192.168.72.30
Subnet Mask	255.255.0.0

PC side	
IP Address	192.168.255.1
Subnet Mask	255.255.0.0

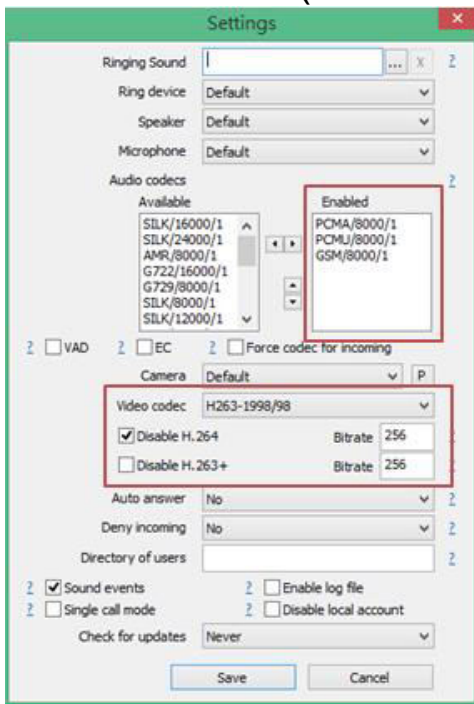## Step 1: Run the MicroSIP Utility

Double-click theMicroSIP Utility shortcut on your desktop.
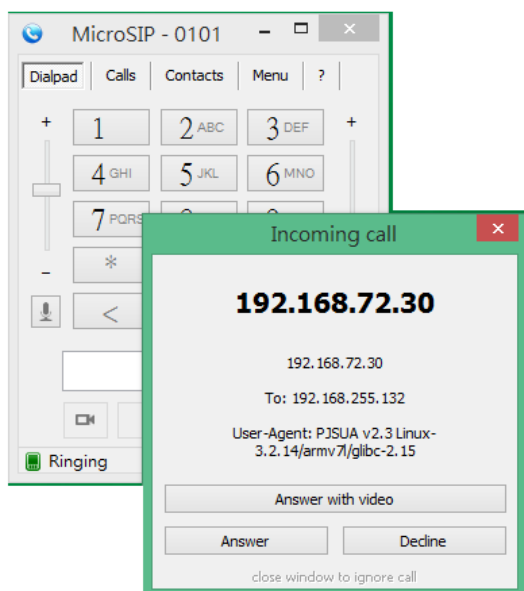
Step 2: MicroSIP settings

    a. Click Menu => Settings

    b. Select audio codec (enable PCMU, PCMA, GSM) and video codec (enable H.263+)
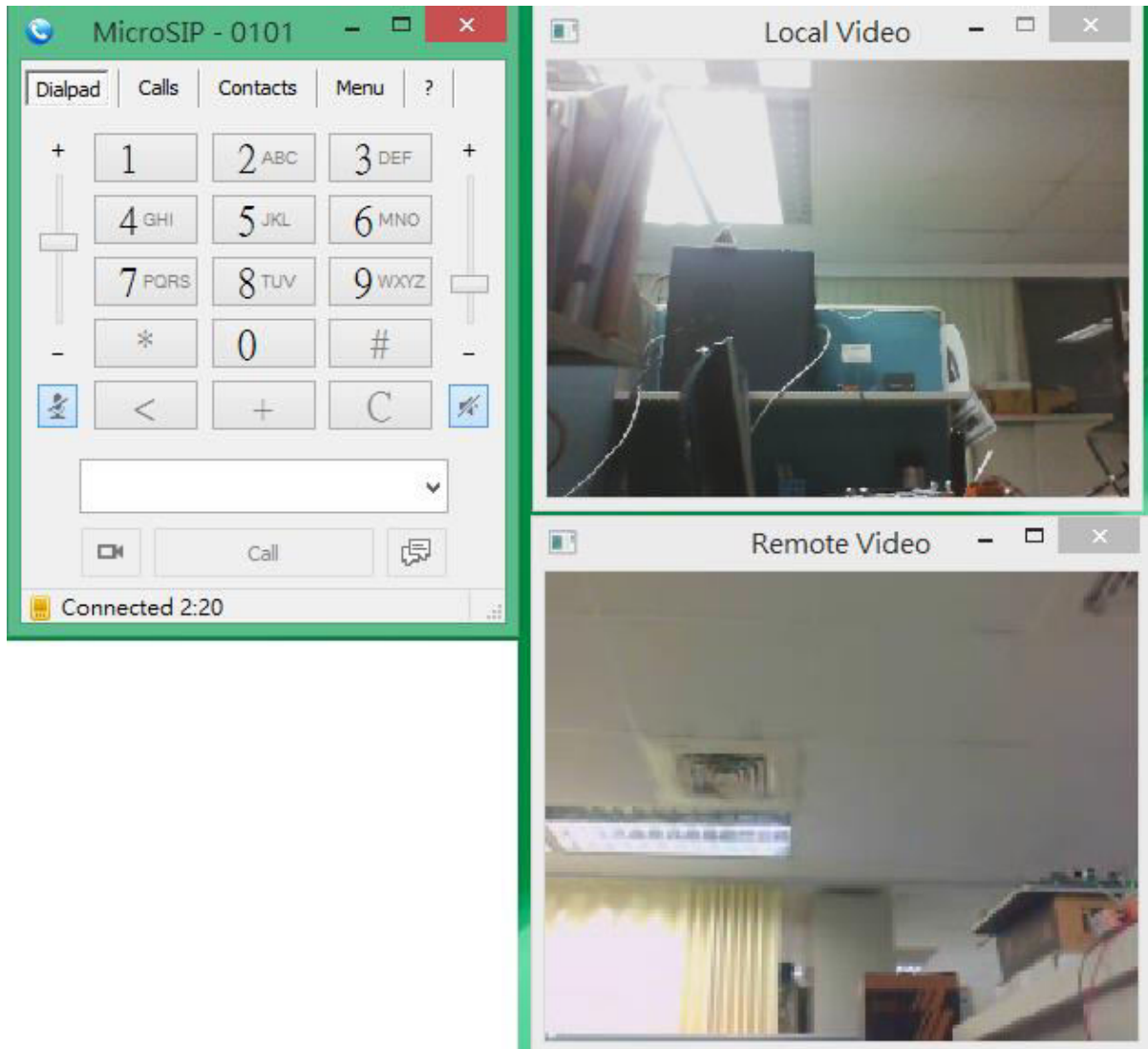

Step 3: Making a Phone call

Press call button of SI-002 to call MicroSIP and then the MicroSIP will show Incoming call. Press "Answer with video" button of MicroSIP to answer call.

Step 4: Answer call

Press "Answer with video" button of MicroSIP to answer call.

At this time, the PC will show local video and remote video and hear voice from SI-002, it means the connection between PC and SI-002 module is established.