IP PBX kit

Model : PBX-1U

1.1 Overview

PBX-1U kit works with IMI45 embedded Mini-itx ATOM motherboard and designed for Small & Medium Businesses. System developers can run most of the production version PBX software including asterisk in this kit. It can also simplify the installation procedure and thus, no more complicated migration work needed.

The PBX-1U kit comes with Intel Atom N270 processors up to 1.6 GHz. The system memory can be equipped with 240-pin DDR2 533/667/800 SDRAM socket (up to 2 GB). There are flexible combinations of data storage such as 44 pin IDE header and SATA connector that can meet the demands of any operating systems and applications. In addition, it consists of 1 PCI Slot that allow users to combine analogs cards such as TDM410P,TDM800P,TE110P

1.2 Key Features

80 Concurrent calls
Up to 1000 registers
Full Feature IP PBX
Video Calls
Recording
DID(Direct Inward Dialing Number)
Support SKYPE for SIP
Call Monitoring

1.3 Basic Features

Codec: G.711-Ulaw,G.711-Alaw,G.726,G.729,GSM,SPEEX,H.261,H.263,H.263+,H.264
Call Hold/Forward/Transfer/Waiting/Parking
Call Paging and Intercom
Caller ID
Music On Hold
DISA(Direct Inward System Access)
Flexible Dial Plan
Ring Group
Conference Room
Call Logs
BLF(Busy Lamp Field)
Configuration By web
Built-in SIP/IAX2 server
Build-in voice mail server
System Backup and Restore
Echo Cancelation/VAD

Support Static/DHCP/PPPOE
DDNS Client(Support Dyndns.org)
Support NTP(Network Time Protocol)

1.4 Technical Specifications:

CPU: Intel Atom N270 1.6GHz
DRAM: 2GB DDR2 SDRAM
HDD : 160G
Storage:
44pin PATA connector for 2.5" Notebook Hard Drive
1 SATA slot for 2.5" Notebook SATA Hard Drive (with DC12V Power in)
Power: 20PIN ATX power supply
Three front panel LEDs, for 3 programmable GPO status indicator
Push button: For mode setting switch, Accessing a programmable GPI, Active low means switch is
pressed
  Expansion: 1 PCI slot, fixed and individual interrupt
  Connectivity:
1 PCI-E 10/100/1000Mbps Ethernet controller (rlt8111c)
1 PCI-E 10/100Mbs Ethernet controllers(rtl8103e)
IMI45 is configured with the above 2 Ethernet Channels.
  I/O: 1*DB9 serial port, for debug console usage, RS232
  1.5 Rack Mountable

Size: 4.5x45x28.2 cm
G.W.:5kg
N.W.:3.5kg

1.6 Asterisk Telephony Card Options:

TDM410P   PCI FXO/FXS card with 4 ports
TDM800P PCI FXO/FXS card with 8 ports
TE110P PCI PRI card with single port

1.7 Default Software : Elastix2.0

Software options:

Asterisk, Elastix, trixbox, PBX in a flash, mISDN, ISDN4BSD, m0n0wall, pfSense, FreeBSD,
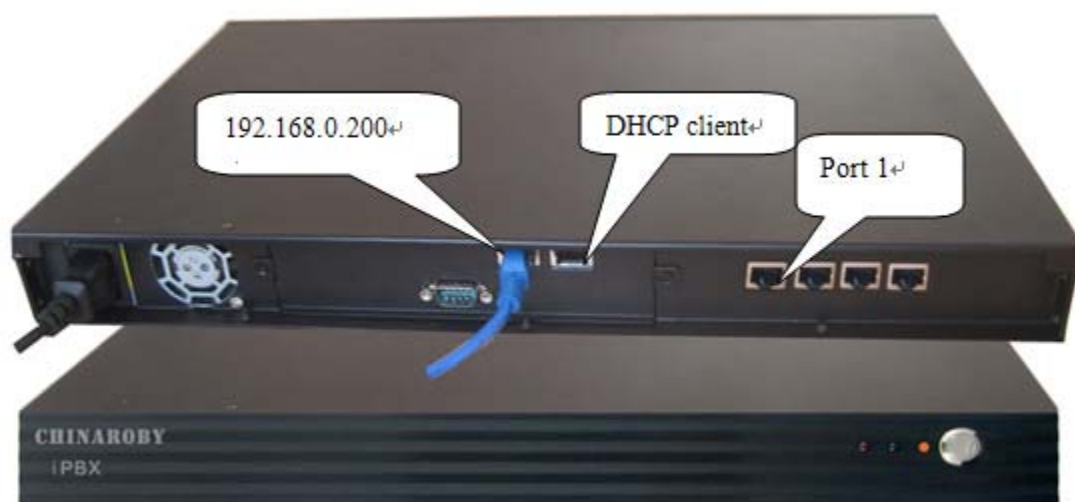Askozia, Voyage-linux, AstBoxLinux

2.Configure the device via GUI

2.1   Access the GUI

You may setup the ip pbx by IE , the default IP address is 192.168.0.200

Put the default ip in your web browser and it will redirect to the setting page of the ip pbx, the default password for the web access is:

Username: admin

Password: 123456

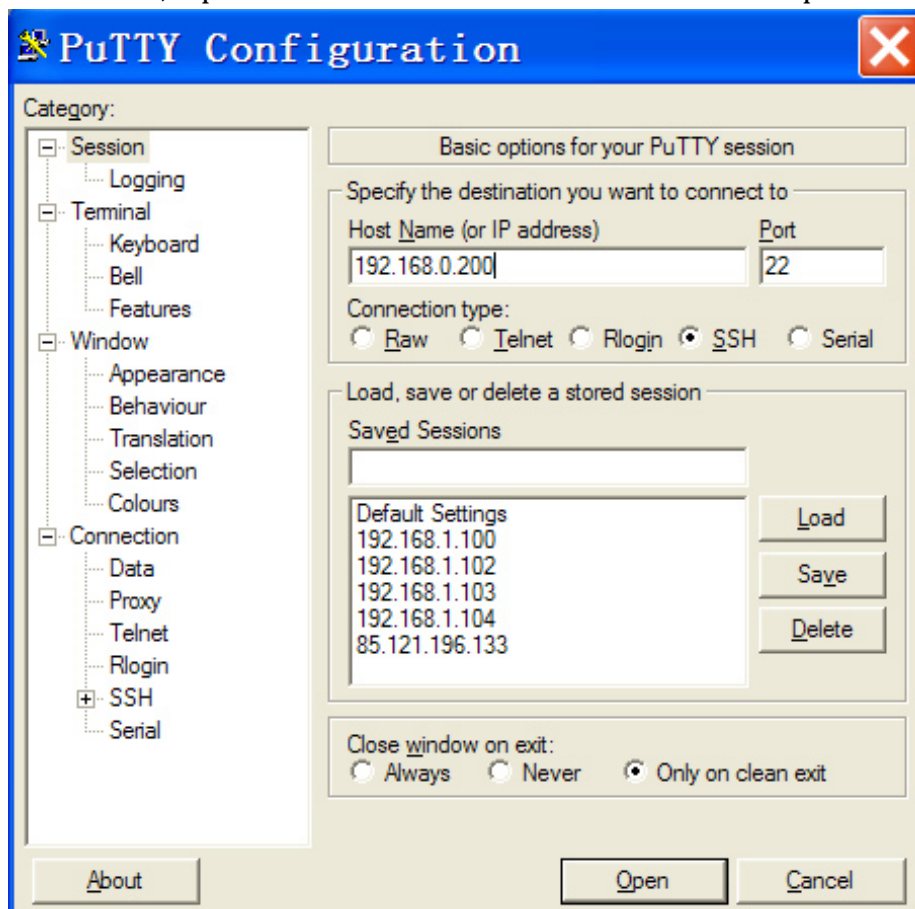2.2 If you can't access the PBX , please check if you have connect the RJ45 cable to the

WAN port and your computer is in the same network 192.168.0.xxx as the PBX.

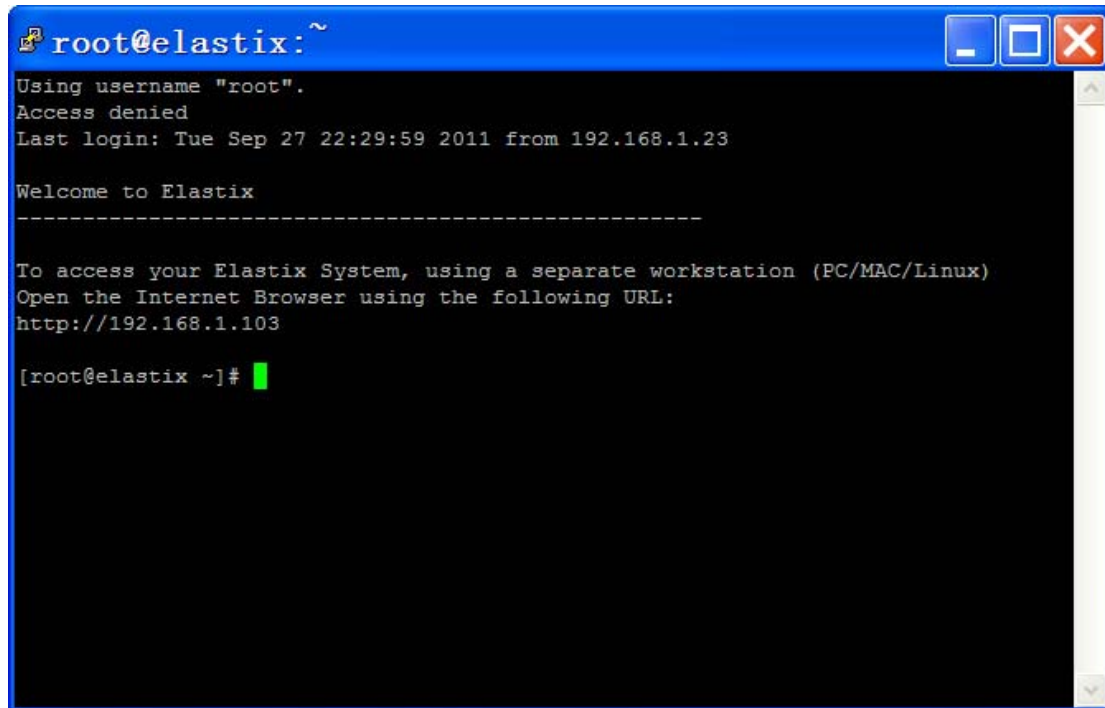 You will see the settings of the IP PBX as below
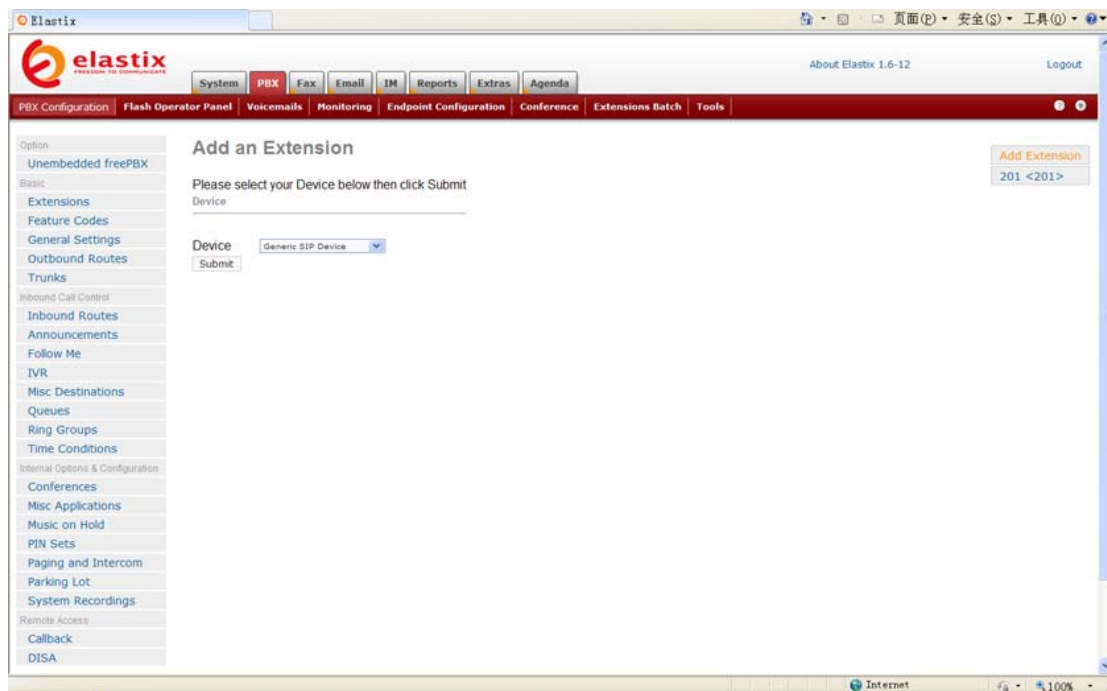
3.Configure the device via SSH

Run PuTTY, input the IP address 192.168.0.200 and click Open.

User name : root
Password : 123456