

## Installing interface card

**Step1** Slide the interface card along the guide rail into the chassis.

**Step2** Snap the interface card on to the backplane in the chassis.

**Step3** Turn the two thumb screws clock-wise to secure the interface card.

**Note :** It is recommended to disconnect the power supply before installing the interface card (s) , even the interface cards are hot-swappable.

## Connecting the FXS or FXO Cable (See Figure 1)

- Use CAT-5 cables with RJ45 plug at one end and lose wires at the other end.
- Insert RJ45 plug into RJ45 jack at the faceplate of interface card. Punch the lose wires into a distribution panel in proper pair order.
- Make connections from distribution patch panel to phones, equipment or PSTN lines. Be sure to match the line type when making final connection.
- Do not connect a PSTN line or a PBX extension line to FXS ports. Improper connection may cause damages to the equipment and invalid the warranty.

Figure 1

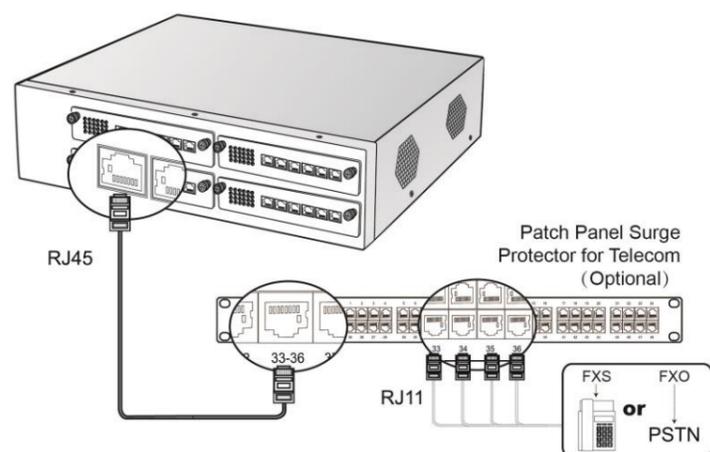


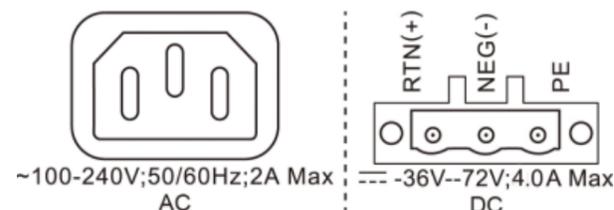
Figure 2

RJ45 Pin Number	1	2	3	4	5	6	7	8	
Analog Line Number	1 <sup>st</sup> Pair		2 <sup>nd</sup> Pair (1)		3 <sup>rd</sup> Pair		2 <sup>nd</sup> Pair (2)		4 <sup>th</sup> Pair
Wire Type	TIP1	RING1	TIP2	TIP3	RING3	RING2	TIP4	RING4	

Each RJ45 port provides 4-pair analog lines of same type (FXS/FXO). Refer to the following table for RJ45 cable wiring of the phone lines. A RJ11 plug can be used to hook-up a phone for testing purpose, and is connected to the 3<sup>rd</sup> pair of the RJ45.

## Connecting the Ethernet Cable and Power Cord

- The equipment is shipped with only ETH1 activated.
- It is recommended to use AC power outlet, or the DC terminal block preinstalled on the device.
- The main unit provide chassis ground stub. Use the equipped M4 screw to secure the ground cable to the unit.



### DC power connection

Terminal	RTN (+)	NEG (-)	PE
Connection	Positive (+) DC power source cable	Negative (-48V) DC power source cable	Grounding cable

### Login screen

- The default IP address is **192.168.2.240**, and the subnet mask is **255.255.0.0**.
- The default CUI login password is: **admin**.
- The default telnet username is root and the password is voipgateway.

### Examination

- The ground screw is connected to the ground wire.
- Lights of PWR & STU are green.
- Pick up the phone and you should hear the dial tone. If not, check the connection of CO line.
- Pick up the phone and press **#00** to hear the extension number.
- Pick up the phone and press **9** to hear the dial tone from the CO. If you hear busy tone, check the connection of the CO line.

## The status description of front panel LEDs

### Not connected to Ethernet

- Green: phone port
- Flash: line port
- Off: the port is malfunctional

### Connected to Ethernet

Glittery Letter	Status Description
C	There is a condition of IP address conflict. Please settle this problem before the device can be operated normally.
D	An internal failure has been encountered during the start up procedure. Please contact your local distributor for further diagnosis.
E	Network failure.
P	The device is in the process of firmware upgrade. Please keep the power supply stable and do not conduct other operations during this period.
T	The application software is rebooting. If this condition continues after rebooting the device, please contact your local distributor for further diagnosis.

## Operation of basic features

Feature	Phone Operation
Call Transfer	<ul style="list-style-type: none"> <li>Explicit transfer: press hook-flash and enter the third party extension. After the consultation with the third party, hang off the phone.</li> <li>Blind transfer: press hook-flash and *38. Enter the third party extension without consultation with the third party. Hang off the phone.</li> </ul> <p>Note: Pressing ** during call conversation is equivalent to hook-flash.</p>
Call Pick up	<ul style="list-style-type: none"> <li>Directed call pick up: press *55 and enter the ringing extension number.</li> <li>Call pick up: press *51.</li> <li>Pick up operator's call: press *50.</li> <li>Groups pick up: press *56.</li> </ul>
Call Park	<ul style="list-style-type: none"> <li>Park: press hook-flash and *30. Enter area code from 0 to 9 and hang up.</li> <li>Retrieval: press #30 and enter corresponding area code.</li> </ul>
Speed Dialing	<ul style="list-style-type: none"> <li>Edit the speed dialing list: press *74 and the 2-digit speed-dial number from 20 to 49, followed by the extension end with #, or press *74 and the 2-digit speed-dial number from 20 to 49, and followed by the outbound prefix and the phone number ended with #.</li> <li>Query: press *74 and followed by the 2-digit speed-dial number and *.</li> <li>Delete: press *74 and followed by the 2-digit speed-dial number, and #.</li> <li>Make call: press ** and the 2-digit speed-dial number from 20 to 49.</li> </ul>
Call Waiting	<ul style="list-style-type: none"> <li>Activate: press *641.</li> <li>Deactivate: press *640.</li> <li>Hear current configuration: press *64*.</li> </ul>



### Security Warning

- When this device is used first time, please modify the GUI password.
- It is suggested to install the device behind the firewall.
- Please avoid using 5060 as SIP port when the device is directly connecting to the internet.