

Internet Telephony PBX System

IPX-600 IP PBX with Gateway Configuration



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Scenarios explain: SIP Proxy Mode

We're using the IPX-600 and VIP-450FO to perform the calling party. Please refer to the following descriptions and insert proper parameters configurations into the each device for establish the voice communications.





Status Network Setup DHCP Server IP PBX NAT Advanced Log Management

LAN		Setup the WAN and LAN
Domain		the information of IP that
IP Address	192 . 168 . 0 . 1	provides by ISP
Subnet Mask	255 . 255 . 255 . 0	
WAN		
Wan Connection Typ2	Static IP 🛛 👻	
IP Address	122 .255 .105 .25	
Subnet Mask	255 .255 .255 .224	
Default Gateway	122.255.105.1	
DNS1 IP Address	61 .31 .233 .1	
DNS2 IP Address	211 .78 .215 .200	
Subnet Mask WAN Wan Connection Typ2 IP Address Subnet Mask Default Gateway DNS1 IP Address DNS2 IP Address	192 166 0 1 255 255 255 0 Static IP 122 255 105 25 255 255 255 224 122 255 105 1 61 31 233 1 211 78 215 200	provides by ISP



IP PBX		
Proxy Server Select the	IP PBX->Users Mgmt	.] of IP PBX and click Batch Add
Gateway button in m	ain page to create use	er account for the SIP client
Call Route	an page to create dec	
Block List		
Users Mamt. 3	User Attributes	Values
Hunt Group	First Number	100
Call/Pickup Group	Number of Users	2 users
CDR	Password	100 🗹 Auto-increase
Upload Voice File	Call Group	1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20
	Pickup Group	1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20
First Number: 100	Route Group	Default 💌
Number of users : 2	Call Forward Immediate	⊙ Disable ○ Internal 10 O External
Password: 100	Call Forward on Busy	⊙ Disable ○ Internal 10 O External
Check Auto-increase	Call Forward on No Answer	⊙ Disable ○ Internal 10 O External
GoTo VM after Pinging: 20	MAC Address	00 : 00 : 00 : 00 : 00 : 00
	APS	NO 🕶 🔟
	T.38 Fax Relay	NO 💌
	+ Disturb	Forward to VM
		Disable
		E-mail
		Delete VM after Send Attachment via E-mail
	Goto VM after Ringing	30 seconds (10~60)



















Configuration VIP-450FO via telnet or console port

1) Reset to factory default settings:

ITG> config erase ITG> atpm erase ITG> net reset ITG> y 13

2) IP address settings:

ITG> net set ip 192.168.0.10 ITG> net set mask 255.255.255.0 ITG> net set gateway 192.168.0.1 ITG> net reset ITG> y



Configuration VIP-450FO via telnet or console port

3) Dial Plan Settings:

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ITG> atpm req ITG> atpm aadd 105 1 3 4 3 ITG> atpm aadd 0 1 4 4 1 ITG> atpm aadd 1 1 3 11 1 ITG> atpm aadd 9997 1 4 11 0 ITG> atpm hadd 11 2 11 ITG> atpm dadd 11 sip 192.168.0.1/5060 ITG> atpm done ITG> atpm store



• Configuration VIP-450FO via telnet or console port

4) SIP Register Settings:

ITG> set sip reg add 105 300 192.168.0.1 5060 105 105 ITG> set sip auto_reg on

5) Code ID Settings:

ITG> set port all fxo enable_user_cid on ITG> set port 0 cid number 105 15



Configuration VIP-450FO via telnet or console port

6) Hotline Settings: (optional)

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ITG> set port 0 dial_in plar 9997

7) Voice Coder Type Settings:

ITG> set port all voice_prof 1 ITG> config activate ITG> config store



• VIP-154T Network Settings

WAN Setting		
IP Type:	● Fixed IP ○ DHCP Clier	nt OPPPoE
IP:	192.168.0.3]
Mask:	255.255.255.0	
Gateway:	192.168.0.1	
DNS Server1:	168.95.192.1	
DNS Server2:	168.95.1.1	
MAC:	00304f5dd44e	IP Phone A
Host Name:	VOIP_TA1S10]

WAN Setting		
IP Type:	● Fixed IP ○ DHCP Client	t ⊖PP <mark>P₀E</mark>
IP:	219.93.241.13	
Mask:	255.255.255.0	
Gateway:	219.93.241.1	
DNS Server1:	168.95.192.1	
DNS Server2:	168.95.1.1	
MAC:	00304f5dd44e	IP Phone B
Host Name:	VOIP_TA1S10	IT THONG D

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<u>IP Phone A</u> IP Type : **Fixed IP** IP: **192.168.0.3** Mask: **255.255.255.0** Gateway: **192.168.0.1**

<u>IP Phone B</u> IP Type : **Fixed IP** IP: **219.39.241.13** Mask: **255.255.255.0** Gateway: **219.93.241.1**

After confirming the modification you've done, Please click on the **Submit** button to apply settings.

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VIP-154T Settings for register IP PBX / IP

Realm 1 (Default)		
Active:	⊙On ○Off	
Display Name:	¹⁰⁴ IP Phone A	
Line Number:	104	
Register Name:	104	18
Register Password:	•••	
Domain Server:	192.168.0.1	
Proxy Server:	192.168.0.1	
Outbound Proxy:		
Status:	Registered	

Realm 1 (Default)		
Active:	⊙On ○Off	
Display Name:	105	
Line Number:	105 IP Phone B	
Register Name:	105	
Register Password:	•••	
Domain Server:	122.255.105.25	
Proxy Server:	122.255.105.25	
Outbound Proxy:		
Status:	Registered	

IP Phone A Active : On Display Name: 104 Line Number : 104 Register Name: 104 Register Password: 123 Domain Server: 192.168.0.1 Proxy Server: 192.168.0.1

IP Phone B Active : On Display Name: 105 Line Number : 105 Register Name: 105 Register Password: 123 Domain Server: 122.255.105.25 Proxy Server: 122.255.105.25

After confirming the modification you've done, Please click on the Submit button to apply settings.





System Settings

Reboot without saving



For example:

1.From PABX make call to IP Phone A or B

Step 1. Pick up the handset and input number **262** when listen to dial-tone.

Step 2. You will be listen to the dial-tone from gateway.

(Assume has setting Hotline, then you can listen to the greeting prompt voice from IP PBX)

Step 3. Enter an IP Phone extension number 100 or 101

Step 4. Then the IP Phone should be ring at this time.

Step 5. You pick up handset establish voice communication begin.

2.From IP Phone make call to PABX Ext.

Step 1. Pick up the handset and hearing the dial-tone

Step 2. Enter a extension number of the PABX system, such as **0263** and end with #.

Step 2. Then the ext.263 Analog phone of the PABX, should be ring at this time.

Step 3. You can pick up handset establish voice communication begin.

NOTE:

The mentioned parameters and network settings in this sample be carefully modified to meet the real-world applications.



