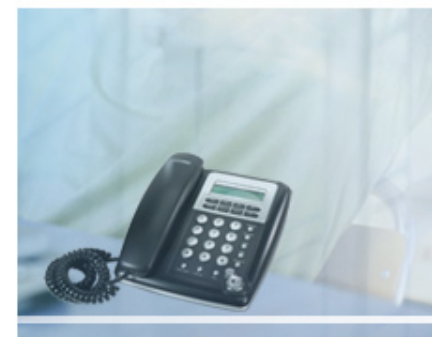


H.323/ SIP Internet Telephony Gateway

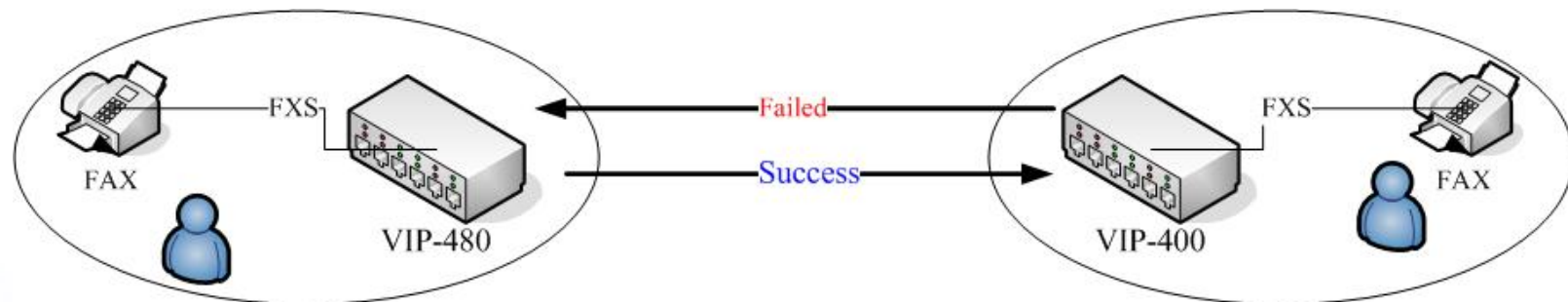
VIP-2/4/8/16/24 port Series
T.38 Compatibility Configuration



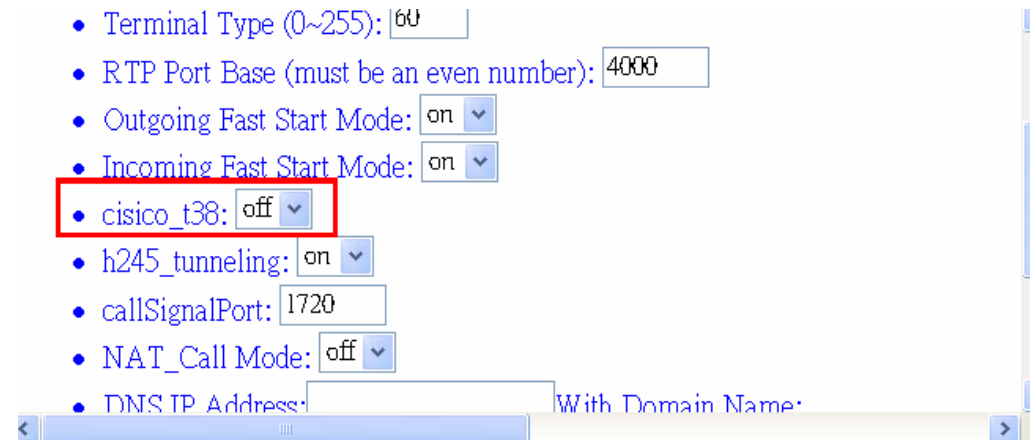
- **H.323 FAX T.38 interoperability with VIP-200/400/000 Gateway Call Forward**

- Scenario Description:

When VIP-480 fax to VIP-400 gateway, the fax process was stooped.



- **Solution: please follow below 3 processes**
 - The VIP-400 also need disable the “Cisco_38” option



The screenshot shows a configuration window for H.323 settings. The 'cisico_t38' option is highlighted with a red rectangle and set to 'off'. Other settings include Terminal Type (60), RTP Port Base (4000), Outgoing Fast Start Mode (on), Incoming Fast Start Mode (on), h245_tunneling (on), callSignalPort (1720), NAT_Call Mode (off), and DNS IP Address (empty).

- Terminal Type (0~255): 60
- RTP Port Base (must be an even number): 4000
- Outgoing Fast Start Mode: on
- Incoming Fast Start Mode: on
- cisico_t38: off
- h245_tunneling: on
- callSignalPort: 1720
- NAT_Call Mode: off
- DNS IP Address: With Domain Name

H.323 Settings Result:

- h323 display_name =
- h323 h245_term_type = 60
- h323 rtp_port_base = 4000
- h323 out_fast_start = on
- h323 in_fast_start = on
- h323 h245_tunneling = on
- h323 cisco_t38 = off
- h323 callSignalPort = 1720
- h323 nat_call = off

- **VIP-480 Setting (H.323 mode)**

Advance Setting Select **VoIP Advance** Select

DTMF Relay for H.323	<input checked="" type="radio"/> Outband (by H.245) <input type="radio"/> Inband (by RTP)
H.323 Mode	<input type="radio"/> Normal-Start <input checked="" type="radio"/> Fast-Start
H.323 H245 tunneling	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
FAX Mode	<input type="radio"/> T.30 <input checked="" type="radio"/> T.38 T38UDP Low Speed Redundancy Level 5 T38UDP High Speed Redundancy Level 0
H.323 Registration Type	<input checked="" type="radio"/> Gateway <input type="radio"/> Terminal
H.323 RRQ TTL	0 seconds
GK RRQ Polling Period	120 seconds
H.323 Autoanswer	<input checked="" type="radio"/> On <input type="radio"/> Off
MAC Authentication	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
H.245 Fast Capability Exchange	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Watchdog	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
VoIP Encryption	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
VoIP Encryption Port	8888

- **Change the T38 FAX Coding Encapsulation method from UDP to RTP**
 - In Telnet Mode:
 - Key in “**Ctrl + d**”, it shows prompt character “Enter:”
 - Key in “**1968e1t1win**”, it shows prompt character “bv w>”

```
      Welcome to 2FX0 VoIP Gateway (version 2.8.6)
=====
                        Main Menu
=====
WAN Status:Fixed IP (NAT Mode)
VoIP Status:H.323 Direct Mode
Call by VoIP(Internet)
=====
[1] Advanced Setup.
[2] System Administration.
[3] Save Current Configurations.
[4] Upgrade Software.
[5] Ping.
[6] Logout.
[7] Restart.
Please Select 1 - 7:◆

Enter :
      bv w>
```

- **T38 Coding Profile:**
 - Change Real-time Protocol (RTP) encapsulation for T38 coding

Example:

bvw>show coding 6

bvw>set coding 6 encap rtp

bvw>activate

bvw>commit

activate (enable the modification)

commit (save the modification)

ACTIVATING IP POWER

