

Using GXW- 410x as a peer gateway

(note: that there are no SIP accounts needed for this set-up; it is only used for one-stage dialing).

Steps of how to Configure:

1. Configure 8ix Zenith SIP Trunk
2. Configure Grandstream GXW410x
3. Configure 8ix Zenith Outbound Policy

1. Configure 8ix Zenith SIP trunk

- **Access the 8ix Zenith Web Config**
e.g. <http://192.168.69.200/>
- Click the Add Sip trunk button
- Go to PBXAdmin->Setup->Basic->trunks

Outgoing Settings

Trunk Name:

PEER Details:

```
context=from-trunk
host=gxw410x_IPADDRESS
insecure=port
type=peer
dtmfmode=RFC2833
```

Incoming Settings

USER Context:

USER Details:

Registration

Register String:

- Click Submit

Changes to Save the Configuration

2. Configure Grandstream GXW410x

Please see the data input of the spaces

Grandstream Device Configuration

Status	Basic Settings	Advanced Settings	FXO Lines	ChannelsDial-plan	Profile 1	Profile 2	Profile 3
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FXO Termination

1. Enable Current Disconnect: No Yes (Default Yes)
If enabled, use threshold: (default 100, normally 100 ~ 800ms)
2. Enable Tone Disconnect: No Yes (If set yes, busy tone is used as disconnect signal. Default No)
3. Enable Polarity Reversal: No Yes (Default No. Check with your PSTN carrier before set to Yes)
4. AC Termination Impedance: ↕
5. Silence Timeout(X1s): (default 60s)

Channel Dialing

- Use Outband DTMF Params: Yes No (Default Yes, No means using following params 1-3)
1. DTMF Digit Length(X10ms): (1-200, default 10)
 2. DTMF Digit Volume(dB): (-31-0, default -11)
 3. DTMF Dial Pause(X10ms): (1-200, default 10)
 4. Wait for Dial-Tone(Y/N): (default No for 2 stage dialing)
 5. Stage Method(1/2): (default 2 - 2 stage dialing)
 6. Min Delay Before Dial PSTN: (default 100, normally 100 ~ 800ms)
7. Unconditional Call Forward to VOIP:
- | | | |
|--|--|--|
| User ID | Sip Server | Sip Destination Port |
| <input type="text" value="ch1-8:78:"/> | @ <input type="text" value="ch1-8:192.168.69.200:"/> | : <input type="text" value="ch1-8:5060:"/> |

PSTN to VOIP Caller ID Setting

1. Caller ID Scheme: (1-5, default 1)
(1:Bellcore, 2:ETSI_RING, 3:ETSI_TAS, 4:DTMF, 5:NTT)
2. Caller ID Transport Type: (1-4, default 1)
(1:Relay via SIP From, 2:Disable, 3:Send Anonymous, 4:Relay via SIP P-Asserted-Identity)

T.38 Setting (Syntax: ch x-y: mode=val,rate=val,ecm=val;[...])

1. T.38 Setting:
(mode: 1:Relay(default), 2:Passthrough)
(rate: 2400, 4800, 7200, 9600(default), 12000, 14400)
(ecm: 1:Enable(default), 0:Disable)

Update

Cancel

Reboot

On the GXW410x, enter the 8ix Zenith server IP address or FQDN under the Profile 1 web configuration page. **Set the SIP Registration setting to No.**

Grandstream Device Configuration							
Status	Basic Settings	Advanced Settings	FXO Lines	ChannelsDial-plan	Profile 1	Profile 2	Profile 3
<p>Activate Profile: <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Profile Name: <input type="text"/> (Optional, name of your profile)</p> <p>SIP Server: <input type="text" value="192.168.69.200"/> (Server domain name or IP address)</p> <p>Outbound Proxy: <input type="text" value="192.168.69.200"/> (Domain name or IP address if in use)</p> <p>Use DNS SRV: <input checked="" type="radio"/> No <input type="radio"/> Yes</p> <p>User ID is phone number: <input checked="" type="radio"/> No <input type="radio"/> Yes</p> <p>SIP Registration: <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Unregister On Reboot: <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Register Expiration: <input type="text" value="60"/> (in minutes. default 1 hour, max 45 days)</p> <p>SIP Registration Failure Retry Wait Time: <input type="text" value="20"/> (in seconds. Between 1-3600, default is 20)</p>							

3. Configure 8iz Zenith Outbound Policy

- Click the Add Outbound Policy button
- Go to PBXAdmin->Setup->Basic->Outbound Routes

Edit Route

Delete Route 9_outside

Route Name: 9_outside

Route Password:

None

default

Dial patterns wizards: (pick one)

Trunk Sequence 0 SIP/GXW4108

- Click Submit Changes button to Save Configuration