PEERING ONE GXW42XX WITH MULTIPLE GXW410X

A common scenario which involves a GXW42xx (FXS gateway) and multiple GXW410x (FXO gateway) but doesn’t involve any SIP server. This scenario allows organization with remote location to access FXO trunks through IP network.

CONFIGURATION OF THE GXW42xx & MULTIPLE GXW410xx SCENARIO

GXW42xx Configuration

Maintenance -> Network Settings

- STUN Server – Blank

Profiles -> Profile 1

General Settings:

- SIP server – Set to IP address of 1^{st} GXW 410x

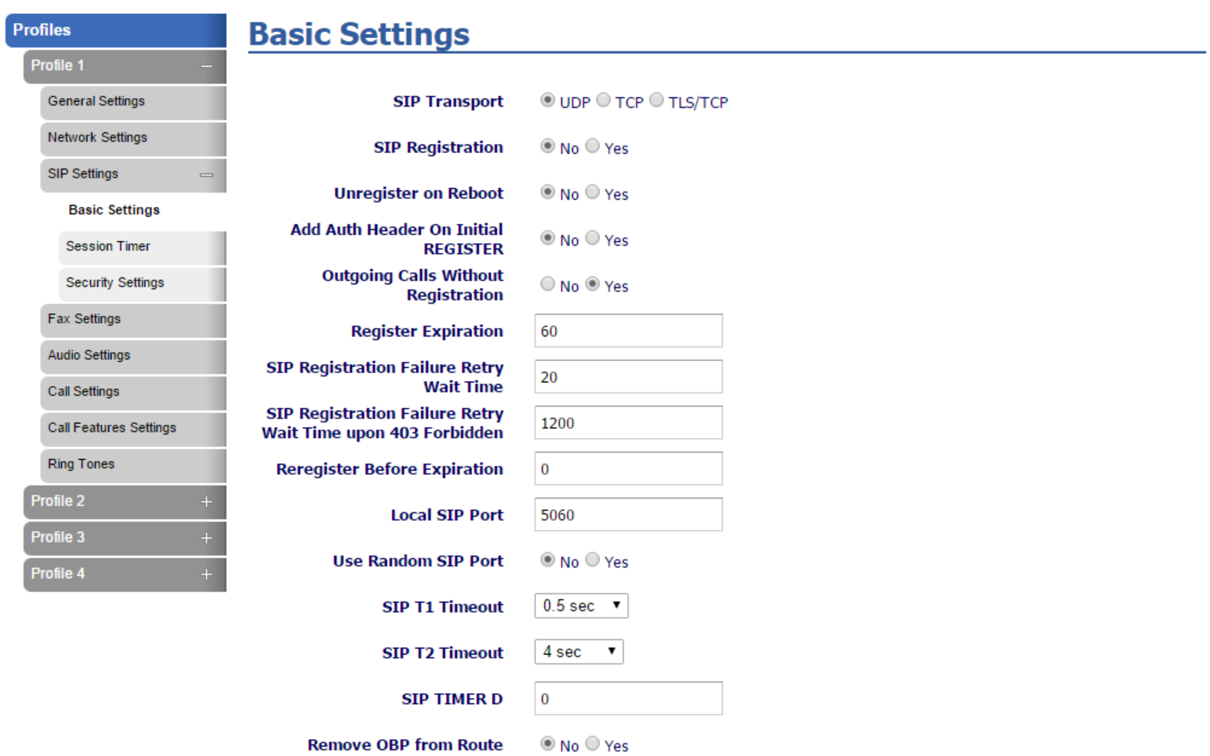
Network Setting

- NAT traversal – No

SIP Settings –> Basic Settings:

- SIP registration - No
- Outgoing Call without Registration – NO
- Local SIP Port - 5060

Maintenance -> Network Settings



Profiles -> Profile 2

General Settings:

- SIP server – Set to IP address of 2nd GXW 410x

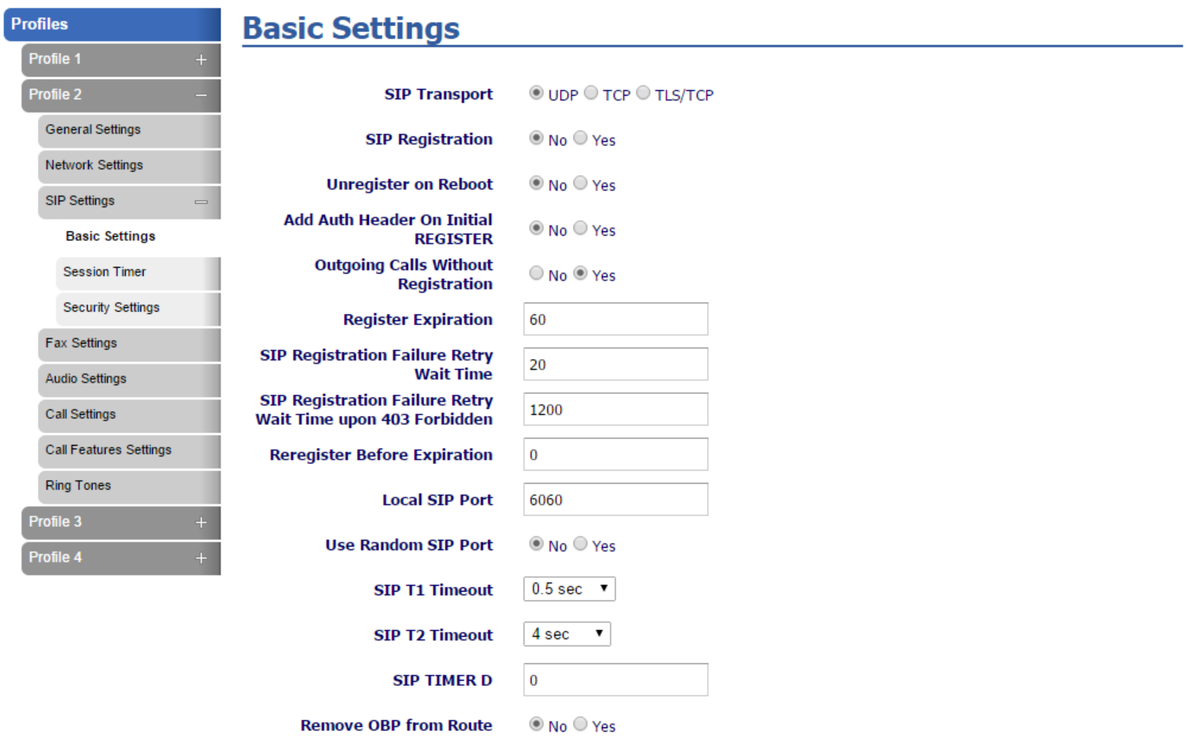
Network Setting

- NAT traversal – No

SIP Settings –> Basic Settings:

- SIP registration - No
- Outgoing Call without Registration – NO
- Local SIP Port - 6060

Maintenance -> Network Settings



FXS Ports:

Port Settings:

- Port 1 - 8 -> User ID: 123
- Port 1 – 8 -> Profile 1
- Port 1 – 8 -> Enable FXS – Yes
- Port 9 - 16 -> User ID: 123
- Port 9 – 16 -> Profile 2
- Port 9 – 16 -> Enable FXS – Yes

FXS Ports

Port Settings

Advanced Port Settings

FXO Mapping

Port Settings

Port	SIP User ID	Authenticate ID	Password	Name	Profile	Enable FXS (TR-069)
FXS 1	123				Profile 1	No / Yes (selected)
FXS 2	123				Profile 1	No / Yes (selected)
FXS 3	123				Profile 1	No / Yes (selected)
FXS 4	123				Profile 1	No / Yes (selected)
FXS 5	123				Profile 1	No / Yes (selected)
FXS 6	123				Profile 1	No / Yes (selected)
FXS 7	123				Profile 1	No / Yes (selected)
FXS 8	123				Profile 1	No / Yes (selected)
FXS 9	123				Profile 2	No / Yes (selected)
FXS 10	123				Profile 2	No / Yes (selected)
FXS 11	123				Profile 2	No / Yes (selected)
FXS 12	123				Profile 2	No / Yes (selected)
FXS 13	123				Profile 2	No / Yes (selected)
FXS 14	123				Profile 2	No / Yes (selected)
FXS 15	123				Profile 2	No / Yes (selected)
FXS 16	123				Profile 2	No / Yes (selected)

Save | Save and Apply | Reset

1ST GXW 410X CONFIGURATION:

Settings -> General Settings:

- STUN server – Blank

FXO lines -> Dialing:

Dialing to PSTN:

- Wait for dial tone – Y or N (whichever suits your FXO lines)
- Stage Method – 1

Settings -> Channels Settings

Calling to VoIP:

- User ID: ch1-8:123;
- Sip Server: ch1-8; p1;
- Sip Destination Port: 5060++

FXO lines -> Settings:

Port Caller ID Setting:

- Number of Rings Before Pickup: ch1-8:4;

Accounts -> Account 1:

General Settings：

- SIP Server: Set it to IP address of GXW42xx

SIP Settings:

- SIP registration – No

Network Settings:

- NAT traversal – No

Dialing to PSTN		
Wait for Dial-Tone(Y/N):	ch1-8:N;	(default No)
Stage Method(1/2):	ch1-8:1;	(default 2 stage dialing)
Min Delay Before Dialing Out:	ch1-8:500;	(default 500ms, 50 ~ 65000ms)

Calling to VoIP		
Unconditional Call Forward to Following:		
User ID:	ch1-8:123;	(i.e ch1-2:223;ch3:224)
SIP Server:	ch1-8:p1;	(ch1-2:p1;ch3:p2)
SIP Destination Port:	ch1-8:5060++;	(ch1-2:5060;ch2:7080)

Port Caller ID Setting

Number of Rings Before Pickup: ch1-8:4; (1-50, default 4)

Caller ID Scheme: ch1-8:1; (1-11, default 1)

1 - Bellcore/Telcordia
2 - ETSI-FSK during ringing
3 - ETSI-FSK prior to ringing with DTAS
4 - ETSI-FSK prior to ringing with LR
5 - ETSI-FSK prior to ringing with RP
6. - ETSI-DTMF during ringing
7 - ETSI-DTMF prior to ringing with DTAS
8 - ETSI-DTMF prior to ringing with LR
9 - ETSI-DTMF prior to ringing with RP
10 - SIN 227 - BT
11 - NTT - Japan

2ND GXW 410X CONFIGURATION:

Settings -> General Settings:

- STUN server – Blank

FXO lines -> Dialing:

Dialing to PSTN:

- Wait for dial tone – Y or N (whichever suits your FXO lines)
- Stage Method – 1

Settings -> Channels Settings

Calling to VoIP:

- User ID: ch1-8:123;
- Sip Server: ch1-8; p1;
- Sip Destination Port: 6076++

FXO lines -> Settings:

Port Caller ID Setting:

- Number of Rings Before Pickup: ch1-8:4;

Accounts -> Account 1:

General Settings：

- SIP Server: Set it to IP address of GXW42xx

SIP Settings:

- SIP registration – No

Network Settings:

- NAT traversal – No

Dialing to PSTN		
Wait for Dial-Tone(Y/N):	ch1-8:N;	(default No)
Stage Method(1/2):	ch1-8:1;	(default 2 stage dialing)
Min Delay Before Dialing Out:	ch1-8:500;	(default 500ms, 50 ~ 65000ms)

Calling to VoIP		
Unconditional Call Forward to Following:		
User ID:	ch1-8:123;	(i.e ch1-2:223;ch3:224)
SIP Server:	ch1-8:p1;	(ch1-2:p1;ch3:p2)
SIP Destination Port:	ch1-8:6076++;	(ch1-2:5060;ch2:7080)

Port Caller ID Setting

Number of Rings Before Pickup:	ch1-8:4;	(1-50, default 4)
Caller ID Scheme:	ch1-8:1;	(1-11, default 1)

1 - Bellcore/Telcordia
2 - ETSI-FSK during ringing
3 - ETSI-FSK prior to ringing with DTAS
4 - ETSI-FSK prior to ringing with LR
5 - ETSI-FSK prior to ringing with RP
6. - ETSI-DTMF during ringing
7 - ETSI-DTMF prior to ringing with DTAS
8 - ETSI-DTMF prior to ringing with LR
9 - ETSI-DTMF prior to ringing with RP
10 - SIN 227 - BT
11 - NTT - Japan