GSM Gateway Connect with 3CX® Server

QuickStart Guide

Default IP: 172.16.99.1

Username: admin

Password : admin

There are two LAN ports, please connect the gateway to Internet through one of LAN port and make sure connectivity by LED status.

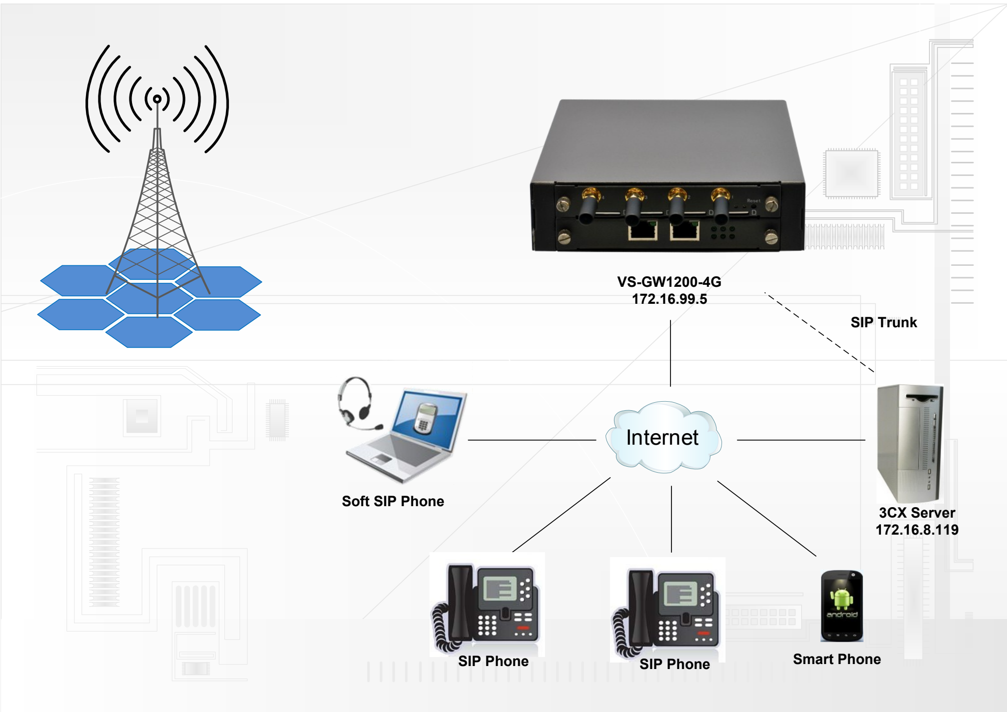
Configuration

⇒ Configure options in GUI:

1. Network parameters such as IP address;
2. SIP endpoint;
3. Routings;

⇒ Create a SIP trunk, and configure VoIP gateway in 3CX server

⇒ Register SIP extensions



Step 1. Set Network Parameters in Web

If your system topology like the figure described, please enter the gateway default IP address In your browser to login web, and click "NETWORK—>LAN Settings" to set network parameters such as IP.

LAN IPv4

Interface:	eth0
Connection Type:	Static
MAC:	00:56:64:75:7a:52

IPv4 Settings

Address	172.16.99.5
Netmask	255.255.0.0
Default gateway	172.16.0.1

Save your changes. Please type in your DNS server in "DNS Server Address".

Step 2. Create a SIP Endpoint in Web

Please select "SIP—>SIP Endpoints—>Add New SIP Endpoint" to set SIP trunk. The following figure shows detail information about how to set it.

Main Endpoint Settings

Name:	10001
Username:	10001
Password:	10001
Registration:	This gateway registers with the endpoint
Hostname or IP Address:	172.16.8.119
Transport:	UDP
NAT Traversal:	Yes

About other parameters in SIP, please set by your requirements for there is no need to set them in simple calls.

Step 3. Set Routing Rules in Web

Click "ROUTING—> Call Routing Rules—> New Call Routing Rule" to set outbound and inbound routing rules like the following:

Call Routing Rule

Routing Name:	inbound
Call Comes in From:	gsm-1(1342869oo93_555)
Send Call Through:	10001

Save the inbound call routing rules, please set the outbound rules as introduced. In order to make all calls successfully, please enable and set failover function in advanced routing rule like that:

Call Routing Rule

Routing Name:	outbound
Call Comes in From:	10001
Send Call Through:	gsm-1(1342869oo93_555)

Advance Routing Rule

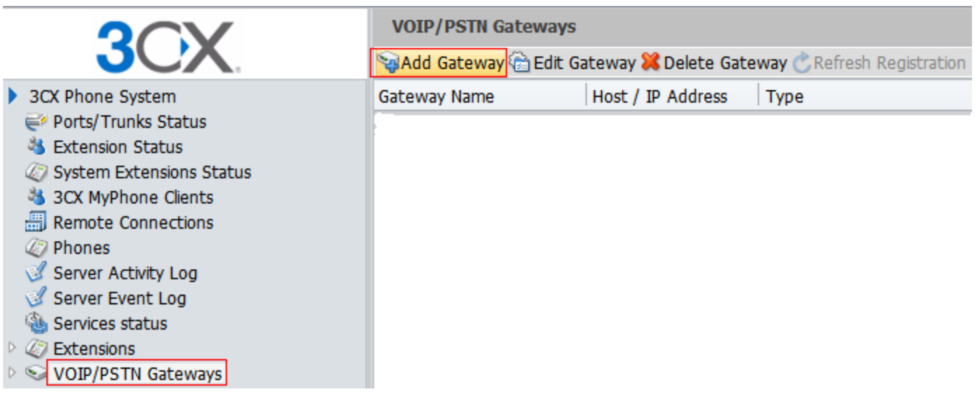
Failover Call Through Number

Failover Call Through Number 2	GSM-2
Failover Call Through Number 3	GSM-3
Failover Call Through Number 4	GSM-4

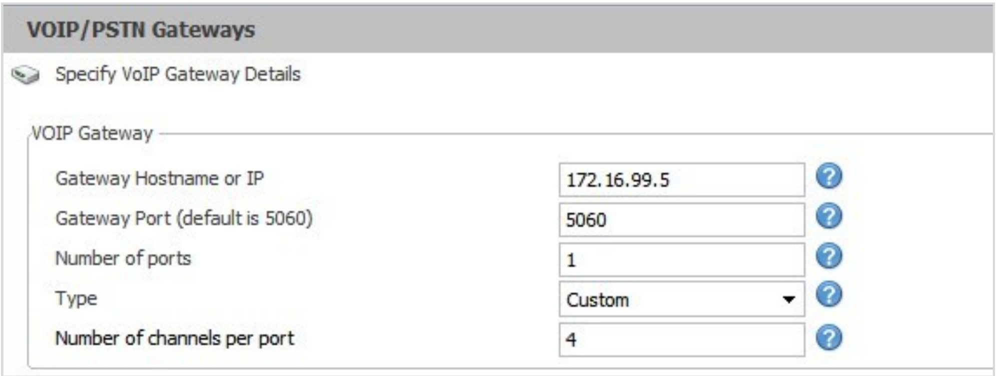
Please save all your changes to make effect.

Step4. Create a SIP Trunk in 3CX web

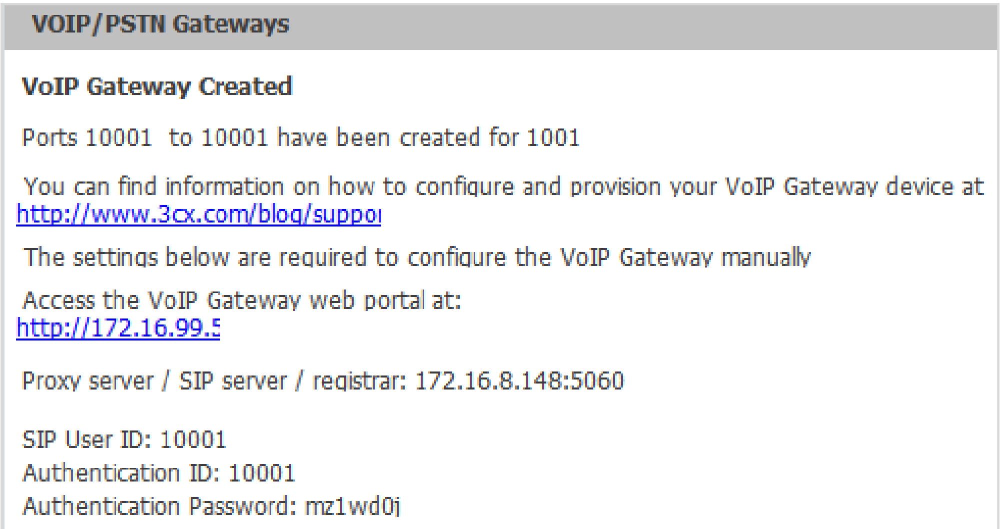
Please select "VOIP/PSTN Gateways—> Add Gateway" to create a SIP trunk:



After that, please click the next button to the following page :

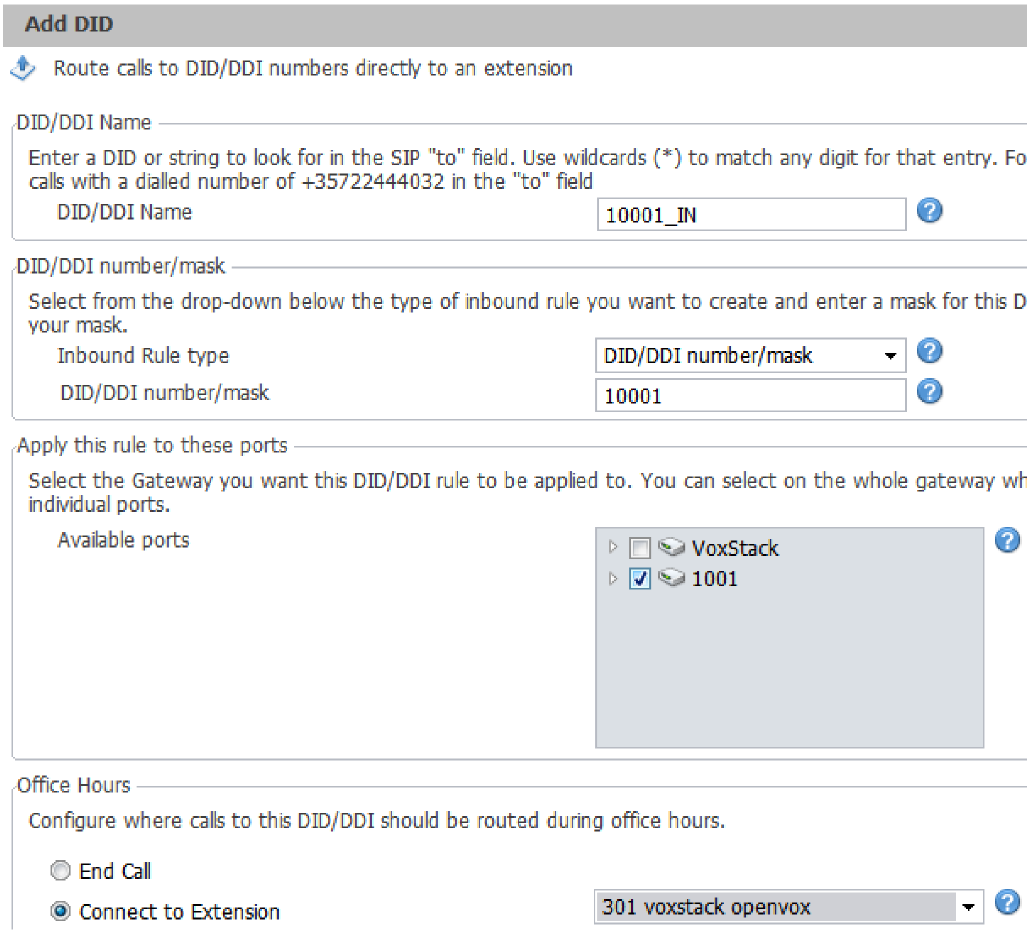


About other options, you can set or skip by your requirements until go to the following web which means SIP trunk is registered.

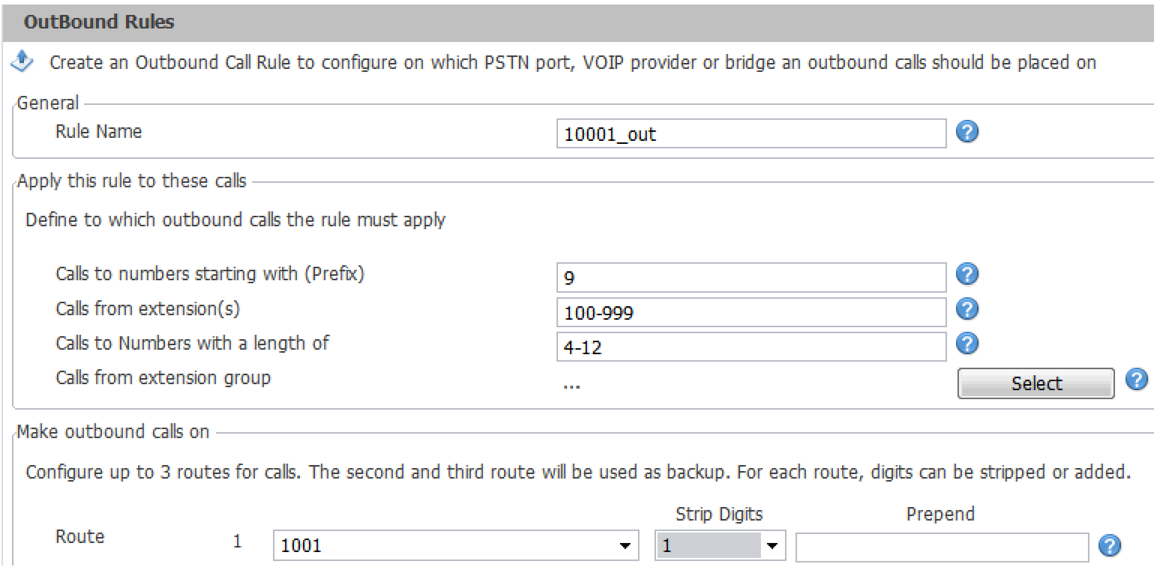


Step 5. Dial rules in 3CX web

Click Inbound Rules—>Add DID to set inbound rules



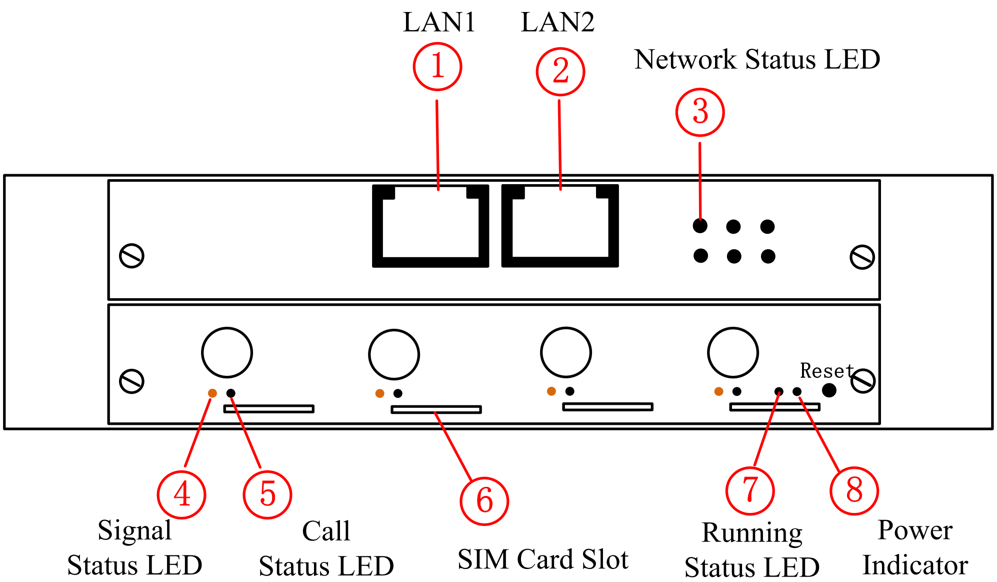
Click Outbound Rules—>Add Outbound to set outbound rules



Step 6. Register a SIP extension by software

Taking advantage of SIP software such as Xlite, eyeBeam to register a SIP extension(301). After all above steps, you can try to make calls and send SMS.

Front Panel



③Network Status LED	Green and Flash	Network Connected
④Signal Status LED	Green and Flash	Module Initiating
	Red and Flash	No SIM Card
	Red and No-flash	Worst Signal Quality
	Yellow and No-flash	Medium Signal Quality
	Green and No-flash	Best Signal Quality
⑤Call Status LED	Flash	Communicating
	Blind	Normal
⑦Running Status LED	Green and Flash	Work Normally
⑧Power Indicator	Always Green	Supply Power
During reset, all LED indicators flash.		