

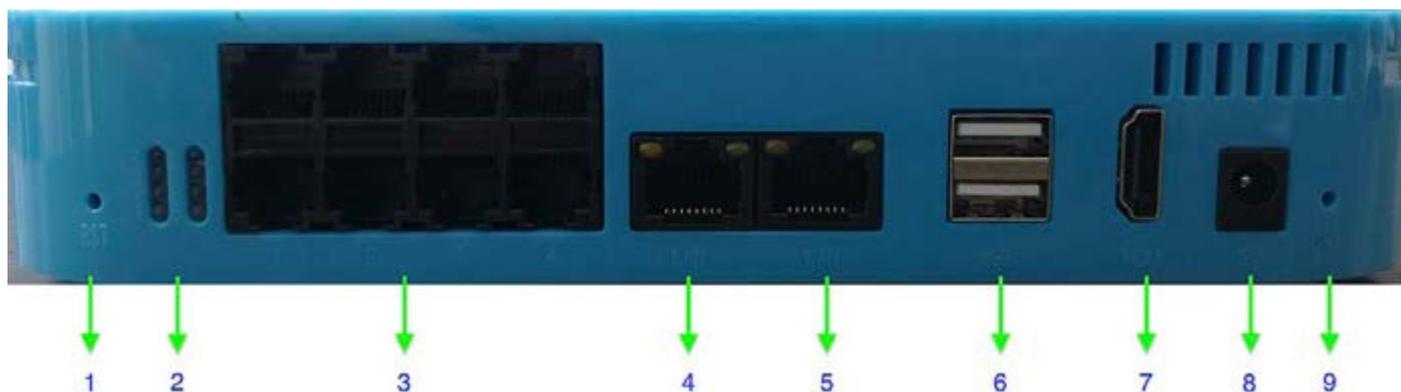


Call4Tel Ai064 Appliance Configuration Manual

INDEX

STEP 1: CONNECT WAN PORT / LAN PORT	2
WAN CONNECTION	2
LAN CONNECTION	3
STEP 2: CONFIGURING THE GATEWAY	3
STEP 3: GATEWAY IP ADDRESS CONFIGURATION	4
STEP 4: 3CX SERVER IP ADDRESS CONFIGURATION	5
STEP 5: ADDING THE AIO IN THE 3CX MANAGEMENT CONSOLE	6
STEP 6: CONFIGURING FXO & FXS IN CALL4TEL PORTAL	8
PBX ADDRESS	9
FXO CONFIGURATION	9
GENERATING USER AND SECRET CREDENTIALS FROM THE 3CX MANAGEMENT CONSOLE	10
FXS CONFIGURATION	11
CONFIGURATION SUMMARY	12
STEP 7: 3CX REGISTRATION VERIFICATION	13

The Call4Tel Ai064 device comprises of a 3CX Server and FXO / FXS Gateway into one single appliance. There are two configuration methods required for this device, Gateway and 3CX Server.



1. Reset Button for Gateway
2. Analogue Line Status
3. FXS Port & FXO Port
4. LAN
5. WAN
6. USB
7. HDMI
8. Power Adapter
9. Reset Button for 3CX Server

STEP 1: CONNECT WAN PORT / LAN PORT

WAN Connection

If there is DHCP, extract the IP address automatically via IP Scanner (based on WAN MAC found on the device).



LAN Connection

If DHCP is not available, IP address (can be found on the device) and you will need to enter this manually.

LAN 1: 192.168.101.1

LAN 2: 192.168.101.99 (For Gateway)

STEP 2: CONFIGURING THE GATEWAY

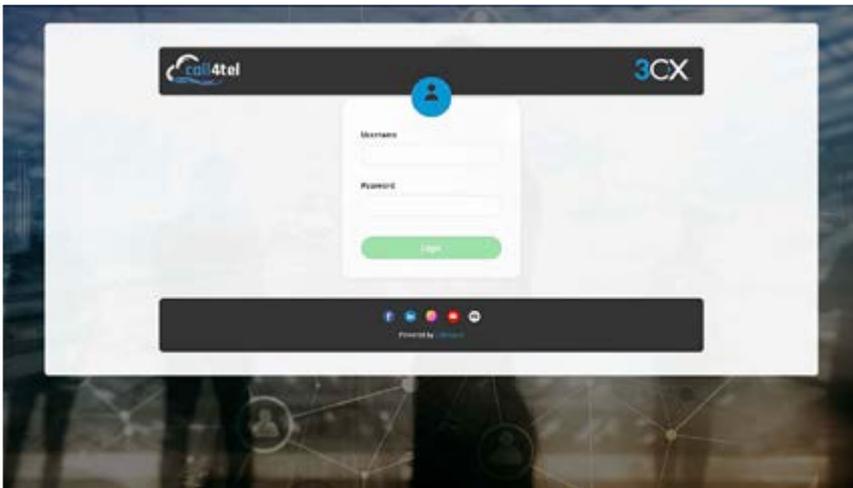
Open your browser and enter the IP address of the device based on WAN / LAN configured in Step 1, you will be directed to the Call4tel portal.

*Add (:5448) in the IP address eg:192.168.101.1:5448

Login Credentials

Username: root

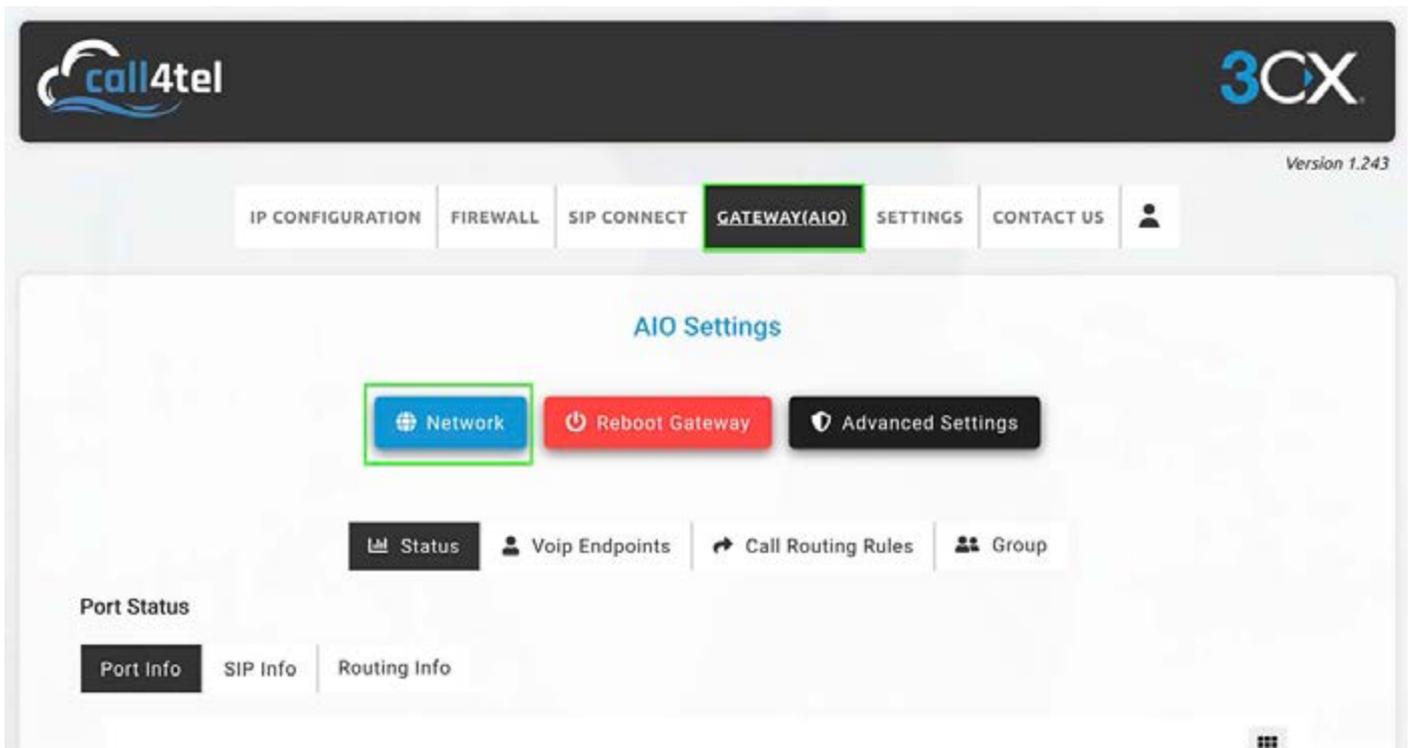
Password: 3cx



Upon successful login, click on Next

STEP 3: GATEWAY IP ADDRESS CONFIGURATION

1. Select the Gateway (AIO) tab and click on Network.



LAN2 Settings

Type:	Static
MAC:	38:a8:cd:60:09:35
Address:	172.16.8.237
Netmask:	255.255.255.0
Default Gateway:	172.16.8.1

[Save](#) [Close](#)

2. Enter the following details:

Address

Netmask

Default Gateway

Click on "Save".

STEP 4: 3CX SERVER IP ADDRESS CONFIGURATION

To configure the 3CX server, you must use LAN Port.

*If you have configured the gateway via WAN Port earlier, please switch to LAN Port.

The screenshot displays the 3CX server configuration interface. At the top, the 'call4tel' logo is on the left and the '3CX' logo is on the right, with 'Version 1.243' below it. A navigation menu includes 'IP CONFIGURATION', 'FIREWALL', 'SIP CONNECT', 'GATEWAY(AIO)', 'SETTINGS', and 'CONTACT US'. The main content area is divided into sections for LAN and WAN IP configuration, DNS information, and a login link.

LAN Configuration (Section A):

- Obtain an IP address automatically:
- Use the following IP address:
- LAN IP:
- Address: 172.16.8.236
- Netmask: 255.255.255.0
- Gateway: 172.16.8.1
- MAC Address: 38:a8:cd:60:09:34
- Update IP Details
- Update Lan button

WAN Configuration:

- Obtain an IP address automatically:
- Use the following IP address:
- WAN IP:
- Address: 172.16.8.119
- Netmask: 255.255.255.0
- Gateway: 172.16.8.1
- MAC Address: 38:a8:cd:60:09:33
- Update IP Details
- Update Wan button

DNS Information:

- DNS 1: 8.8.8.8
- Update IP Details
- Update DNS button

Login to 3CX installation wizard (Section B):

- URL: <http://172.16.8.236:5015>
- Update DNS button

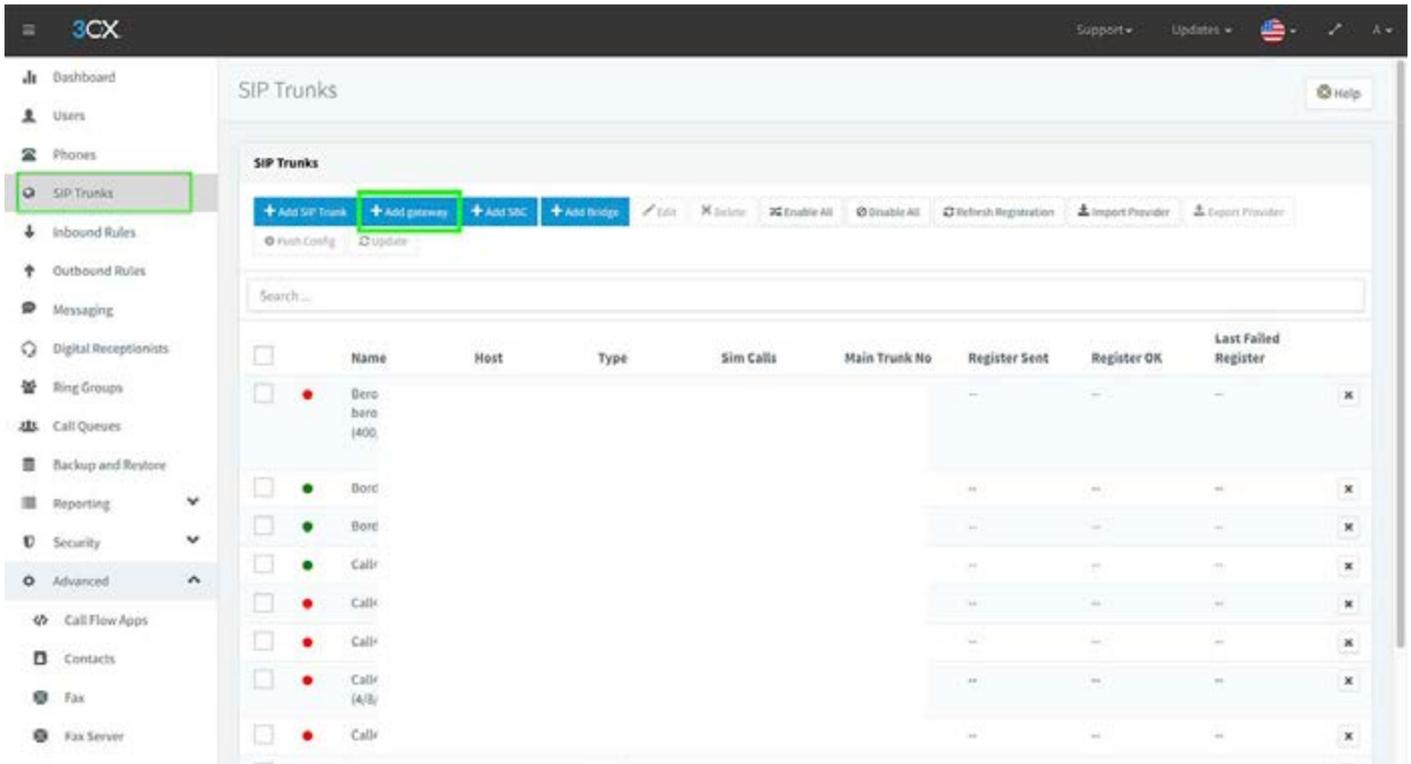
At the bottom, there are social media icons for Facebook, LinkedIn, Instagram, YouTube, and a 'kb' icon, followed by the text 'Powered by Cal4care'.

A. Enter the IP Address, Netmask and Gateway based on LAN. There will be icon to showcase active connection.

B. Login to the 3CX installation wizard to continue on the 3CX instance set up

STEP 5: ADDING THE AIO IN THE 3CX MANAGEMENT CONSOLE

1. Login to the 3CX Management Console and go to SIP Trunks --> Add Gateway



Add PSTN Gateway

Select Brand
Call4tel

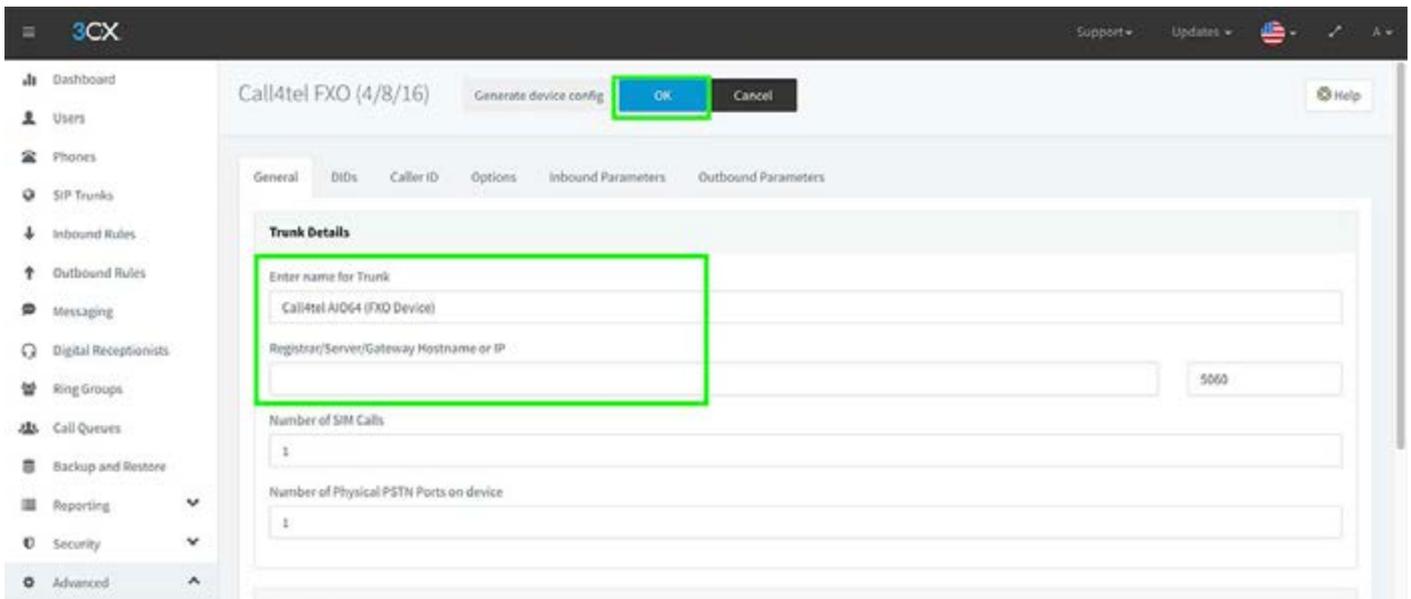
Select model/device
Call4tel FXO (4/8/16)

Number of Physical PSTN Ports on device
1

Main Trunk No

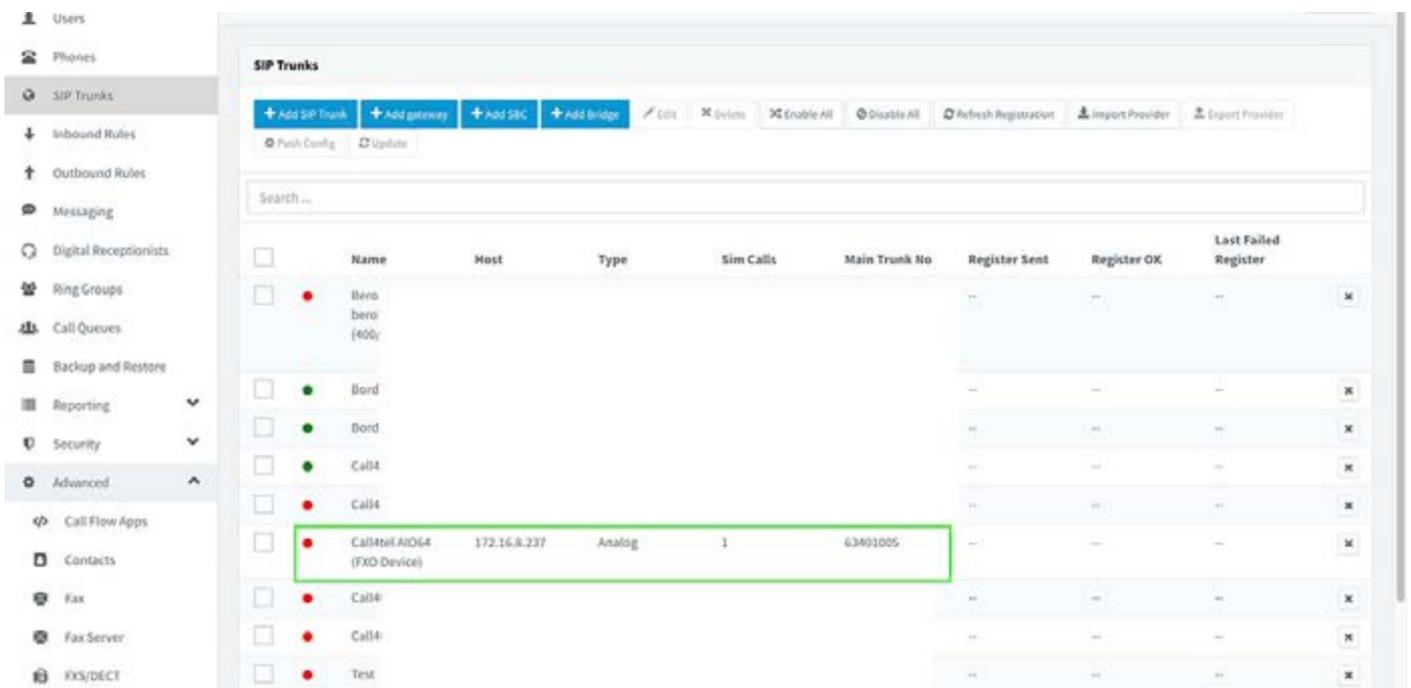
OK Cancel

Select Brand	Call4tel
Model	Call4Tel FX0 (4/8/16)
Number of Physical PSTN Ports on device	(Based on current set up)
Main Trunk No	(Based on existing PSTN Number)



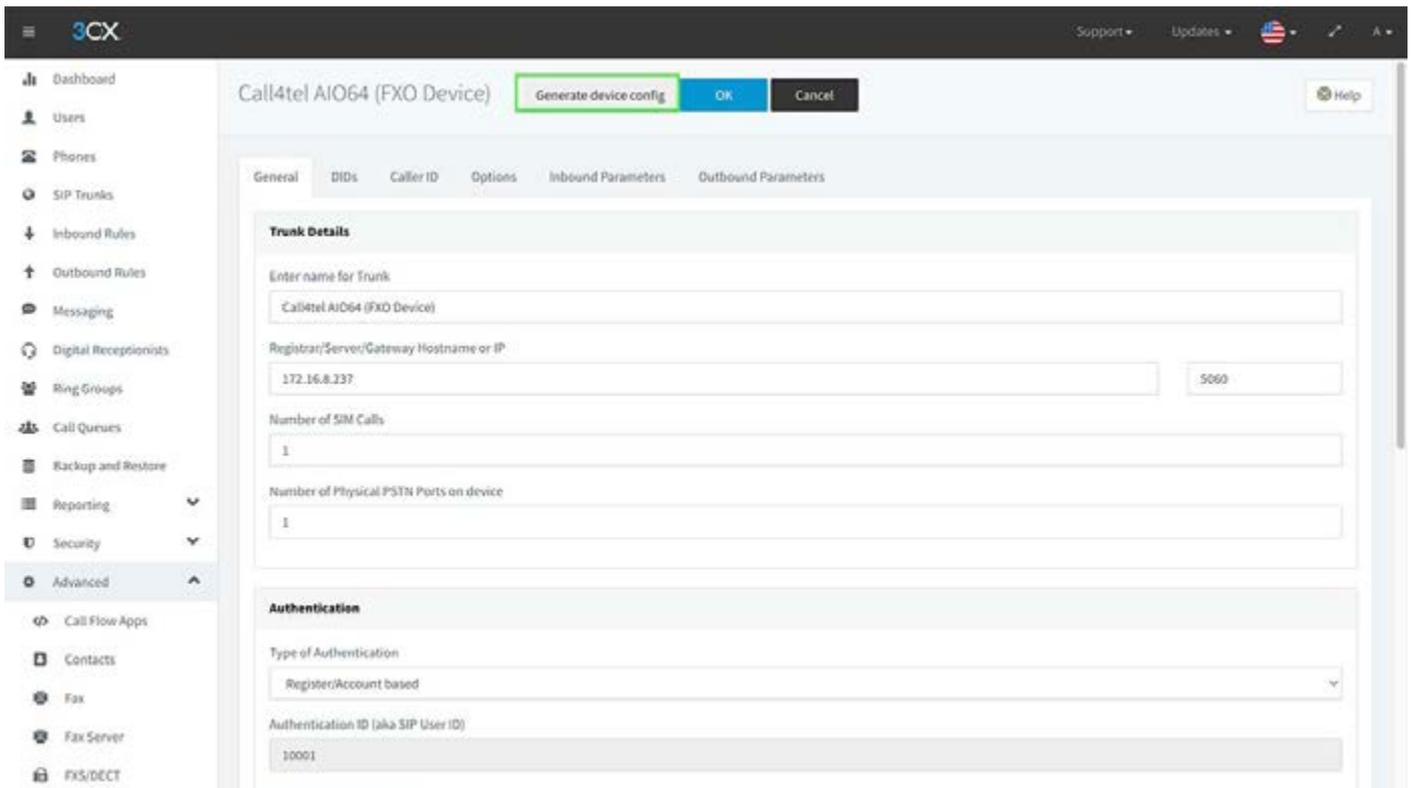
2. Enter the Name for Trunk based on own preference

Note: For Registrar / Server/ Gateway Hostname or IP - Input Gateway IP address configured in Step 3 and click on Ok to confirm.



3. The device has been added to the management console with the red (inactive) status.

4. Click on the device once again. The below screen will appear.



5. "Generate device config" will direct to Call4Tel portal shown below. If it is not directed, the portal can be reached via following URL <http://IP/Wizard>,

eg: <http://172.16.8.237/Wizard> (Gateway IP address configured in Step 3)

STEP 6: CONFIGURING FXO & FXS IN CALL4TEL PORTAL



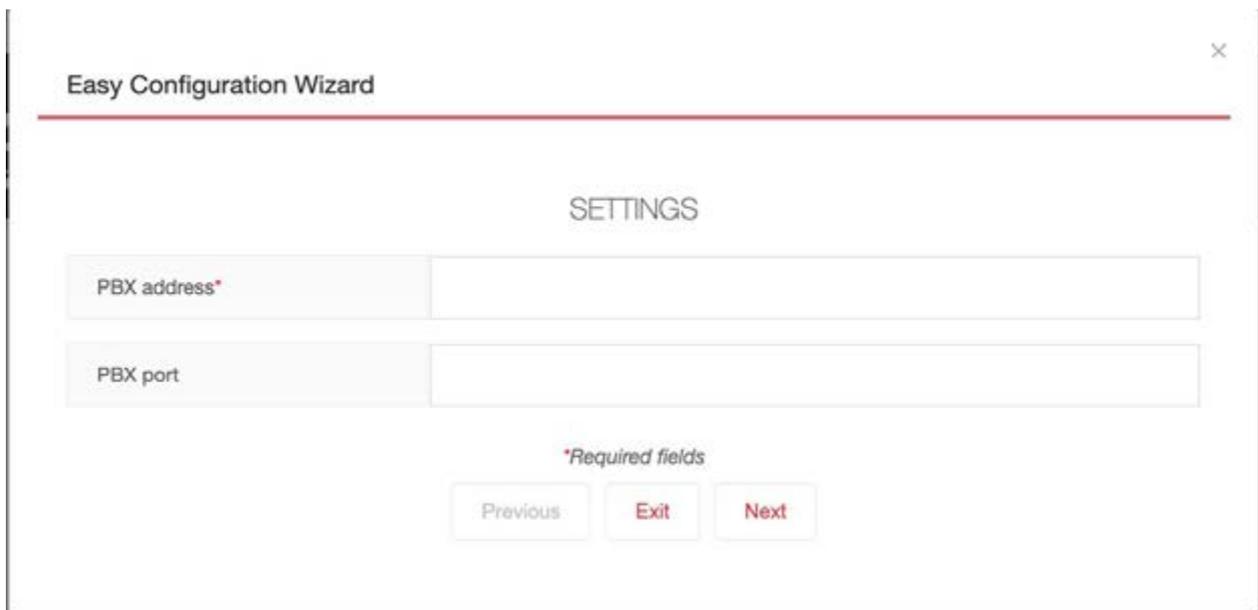
Login Credentials

Username: root

Password: 3cx

PBX Address

Once you enter the credentials you will be prompted to enter the PBX Address and Port.



Easy Configuration Wizard

SETTINGS

PBX address*

PBX port

*Required fields

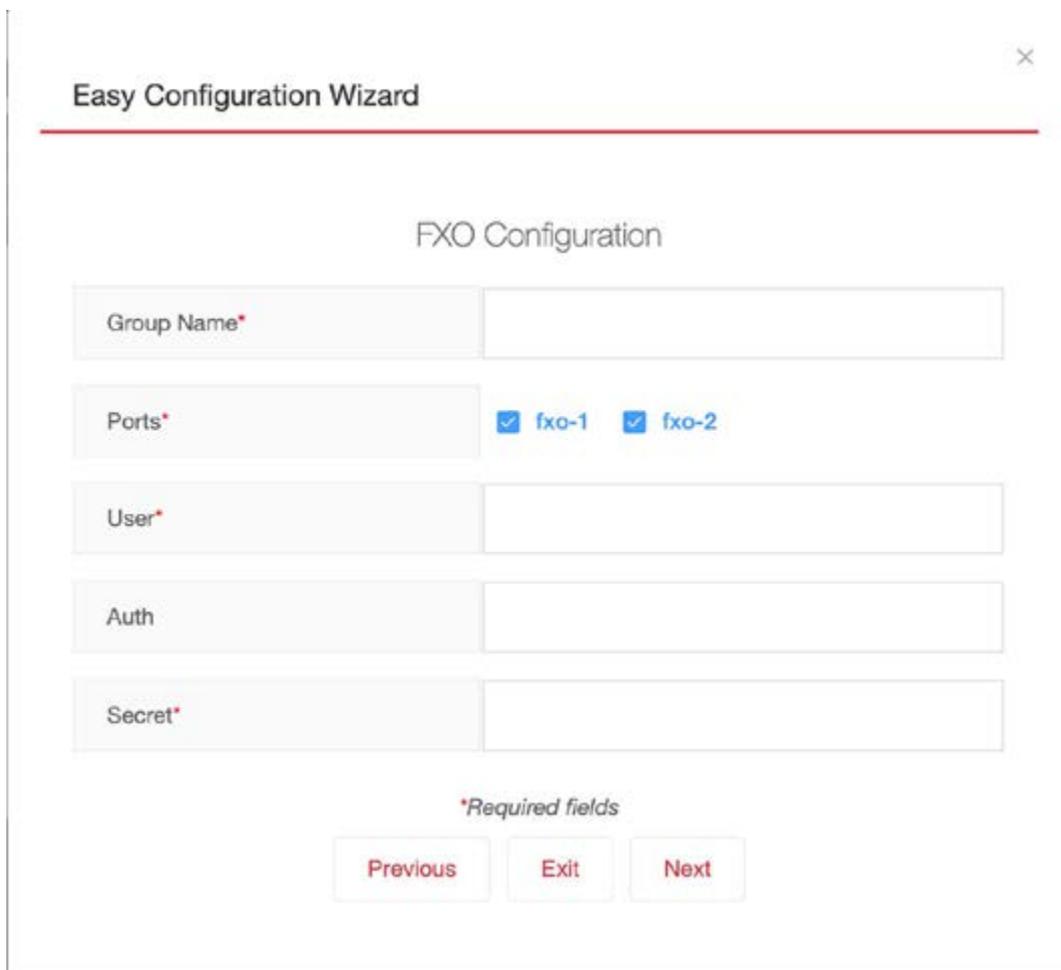
Previous Exit Next

PBX Address: Based on the IP address configured in Step 4

PBX Port : 5060

Click on "Next" to proceed to next step

FXO Configuration



Easy Configuration Wizard

FXO Configuration

Group Name*

Ports* fxo-1 fxo-2

User*

Auth

Secret*

*Required fields

Previous Exit Next

Enter the all the mandatory field highlighted in *.

Group Name	Based on own preference
Ports	No of ports to be configured as FXO
User	Generated from 3CX management console up)
Auth	Generated from 3CX management console PSTN Number)
Secret	Generated from 3CX management console PSTN Number)

Generating User and Secret Credentials from the 3CX Management Console

1. Login to the 3CX Management console --> SIP Trunk --> Select the Gateway (Added in Step 5)

The screenshot displays the 3CX Management Console interface. The left sidebar shows various navigation options, with 'Advanced' selected. The main content area is titled 'Call4tel AIOG4 (FXO Device)' and contains several configuration fields. The 'Authentication' section is highlighted with a green box and includes the following fields:

- Type of Authentication: Register/Account based
- Authentication ID (aka SIP User ID): 10001
- Authentication Password: mulcur17j
- 3 Way Authentication Password: (checkbox)

2. The Authentication ID will be used to enter "User" and "Auth" Field in FXO Configuration.

3. Authentication Password details to be input as "Secret".

4. Upon completing all fields in the FXO Configuration, click on "Next" to FXS Configuration.

FXS Configuration

fxs-3-sip-198-172.16.8.236

User	
Auth	
Secret	

fxs-4-sip-199-172.16.8.236

User	
Auth	
Secret	

Optional

[Previous](#) [Exit](#) [Next](#)

1. Enter the extension details in "User" Field and click on "Next"

Configuration Summary

Easy Configuration Wizard

Gateway Configuration



PBX Settings

Server	Port
172.16.8.236	5060

Gateway Configuration

FXO Configuration

Type	Group Name	Port	User
FXO	Testing	fxo-1,fxo-2	10001

Diaipian Entries

方向	From	To
SIP-FXO	10001	Testing
FXO-SIP	Testing	10001

FXS Configuration

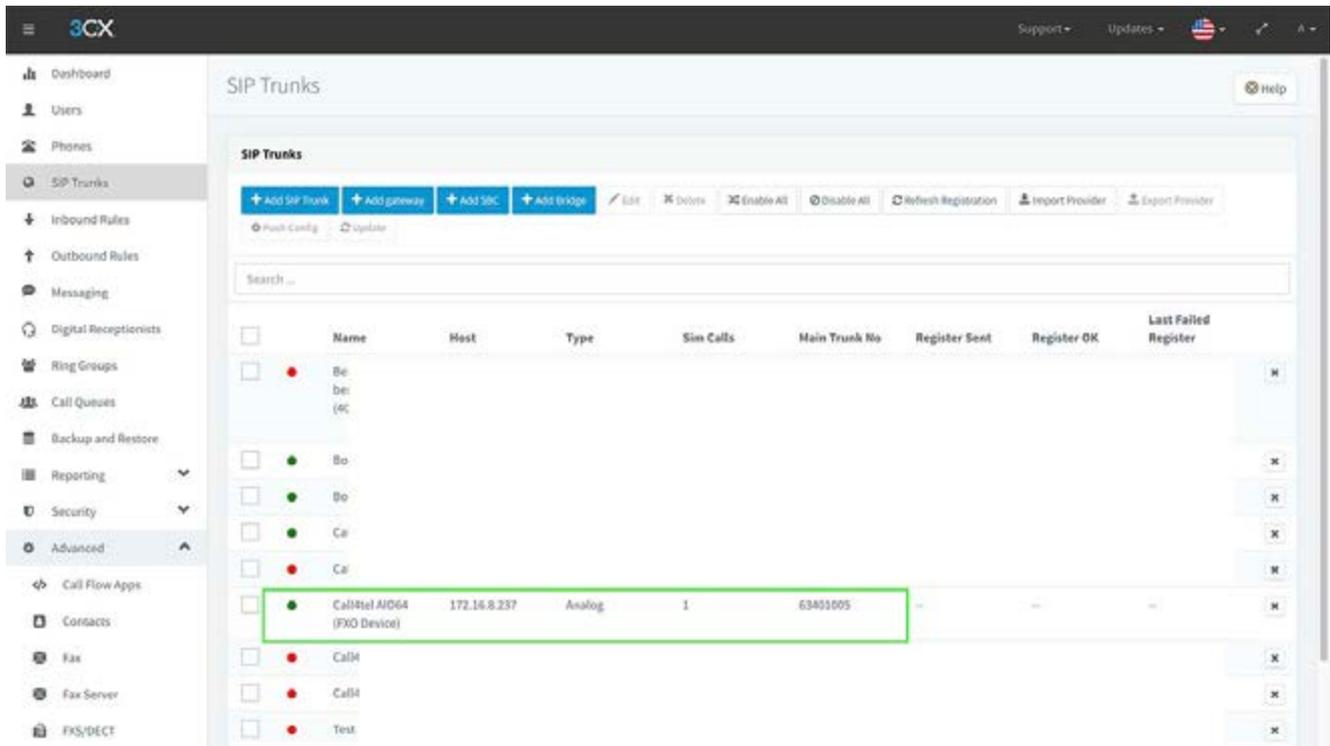
Type	Port	User
FXS	fxs-3-sip-198-172.16.8.236	123
FXS	fxs-4-sip-199-172.16.8.236	125

After using the 'Activate'-button, the gateway will be configured and restarted

1. The configuration summary on the FXO and FXS will be shown as per above.
2. Click on "Activate" to finalize the configuration. Successful configuration message will be prompted.

STEP 7: 3CX REGISTRATION VERIFICATION

1. Login to the 3CX management console --> SIP Trunk



2. Device status is now Green and Active