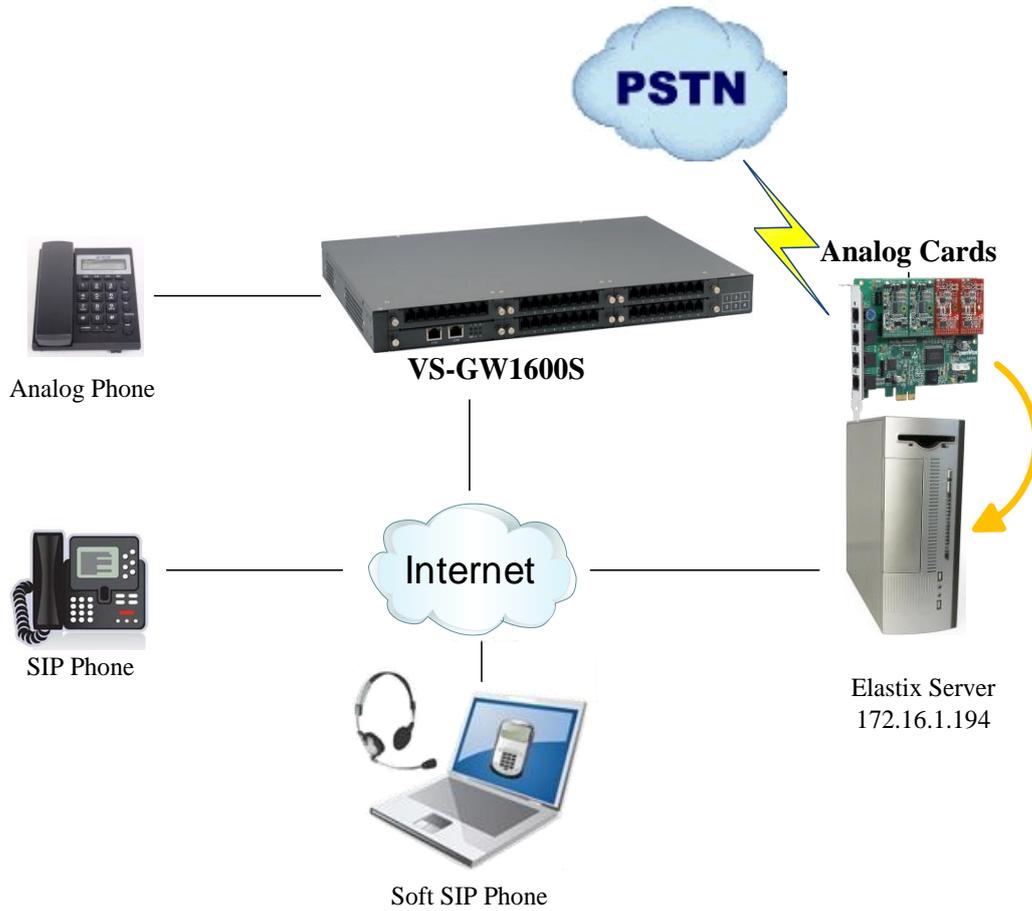# VoxStack Analog Gateway

VS-GW1600S Datasheet

Overview

OpenVox VoxStack Series Analog Gateway is an open source asterisk-based Analog VoIP Gateway solution for SMBs and SOHOs. There are three Analog Gateway models with VoxStack series Analog Gateway, VS-GW1202-8S,VS-GW1202-16S and VS-GW1600. VS-GW1202-8S can support 8 FXS ports at the same time, VS-GW1202-16S can support 16 FXS ports at the same time and VS-GW1600 Analog series can support up to 40 FXS synchronously. The Modular Design Analog Gateways are developed for interconnecting a wide selection of codecs including G.711A, G.711U, G.729, G.722, G.723, ILBC, GSM. The Analog Gateways will be 100% compatible with Asterisk, Elastix, Trixbox, 3CX FreeSWITCH sip server and VOS VoIP operating platform.

- Up to 40 FXS ports
- Support codecs: G.711A、G.711U、G.729、G.722、G.723、ILBC、GSM
- Support modify username and password for web login
- Support configuration file backup and upload
- Compatible with Asterisk, Elastix, Trixbox, 3CX FreeSWITCH sip server
- Stable function, flexible dialplan and friendly Web GUI

Topological Structure

PSTN

Analog Cards

VS-GW1600S

Analog Phone

SIP Phone

Internet

Soft SIP Phone

Elastix Server
172.16.1.194

Feature List

General Info	
Weight	4353g
Dimension	44cm*4.5cm*30cm
Storage temperature	-20~70℃
Operating temperature	0~40℃
Operating humidity	10%~90% non-condensing
Power supply specification	100-240V/1-2A
Maximum power	60W
LAN ports	2
System Features	
Support NTP time synchronization and client time synchronization	
Support modify username and password for web login	
Support update firmware online	
Support backup configuration file	
Support upload configuration file	
Abundant Log Info	
Support Ring cadence and frequency setting	
Support WMI(Message Waiting Indicator)	
Support for custom scripts, dialplans	
Automatically Reboot	
Call status display	
Language selection(Chinese/English)	
Analog	
Support Volume adjustment	
Support Gain adjustment	
Support call transfer	
Support call hold	
Support open API interface（AMI）	
Support Caller ID display	
Dial-up matching table	
Support T.38 fax relay and T.30 fax transparent	
Support FSK and DTMF signaling	

Support VAD，CNG
Support codecs: G.711A、G.711U、G.729、G.722、G.723、ILBC、GSM

SIP Features
Support add, modify & delete SIP Accounts
Support batch add, modify & delete SIP Accounts
Support protocols：SIP、IAX、TCP、UDP、RTP、TELNET、HTTP、SMTP、POP3
Support multiple SIP registrations：Anonymous, Endpoint registers with this gateway, This gateway registers with the endpoint
FXS Port Grouping
SIP accounts can be registered to multiple servers

Business Control
Permit and prohibit certain calls
Extensible automatic callback and speed dial
Extensible call transfer function
Support customizable DISA、IVR and other applications

Network
Support DDNS
Support DNS
Support DHCP
Support DTMF relay
Support NAT Networking
Support OpenVPN client
Network type：Static IP, Dynamic
Support ping command on the web

Operation Maintenance
Support Echo cancellation, Jitter buffer
Support gateway boards and SIM hot plug
Support SSH remote operation
Support restore the factory settings
One-year warranty