



## OpenVox VoxStack Series V2 Wireless Gateway

### Overview

VS-GW1202/1600/2120 V2 Wireless Gateway, an upgrade product of the VS-GW1202/1600/2120 Series, is now the leading open source asterisk-based VoIP Gateway solution for SMBs and SOHOs. With friendly GUI and unique modular design, users may easily setup their customized Gateway. Also secondary development can be completed through AMI (Asterisk Management Interface).

There are three models with new VoxStack series Gateway, the VS-GW1202 V2, VS-GW1600 V2 and VS-GW2120 V2 Wireless Gateway. The VS-GW1202 V2 Wireless Gateway with the Modular Design can provides up to 2 plug-in GSM/WCDMA/LTE gateway modules which could support from 4 to 8 GSM/WCDMA/LTE channels, the VS-GW1600 V2 Wireless Gateway can provides up to 5 plug-in modules which could support from 4 to 20 GSM/WCDMA/LTE channels, the VS-GW2120 V2 Wireless Gateway can provides up to 11 plug-in modules which could support from 4 to 44 GSM/WCDMA/LTE channels and 2 Ethernet ports, developed for interconnecting a wide selection of codecs, including G.711A, G.711U, G.729, G.722, G.726 & GSM, to the 2G/3G/4G networks to quickly reduce telecommunication expenses and maximize cost-savings. With the unique design of the VS-GW1202/1600/2120 V2 Wireless Gateway, it can support hot-swap for both SIM cards and GSM/WCDMA/LTE wireless gateway modules. Users can simply add or remove the modules for hardware expansion or exchange.

The Wireless gateway designs with a Lan Switch board that provides stickability on the hardware upgrade. It supports SMS messages sending and receiving and group sending and SMS to email. The VS-GW1202/1600/2120 V2 Wireless Gateway use standard SIP protocol and compatible with Leading IMS/NGN platform, IPPBX and SIP servers, support most of the VoIP operating platforms such as Asterisk, Elastix, 3CX, FreeSWITCH ,BroadSoft etc.

### Wireless Features

- SIP/IAX2/Wireless Group Management
- Random call interval
- Call Duration Limitation
- Open API Protocol (based on Asterisk)
- Multiple SMS API
- SMSC/SMS/USDD
- Gain Adjustment
- PIN Identification
- IMEI Number Automatically Modify
- Band Binding
- Bind Carrier
- Call Waiting
- Call Forwarding (unconditional, no reply, busy, not reachable)
- SMS Bulk Transceiver and Auto Resend
- SMS to Email
- SMS Coding/Detecting Automatically Identification
- SMS Forwarding and Quick Reply
- SMS Remotely Controlling Gateway
- CLID Display & Hide (Need operators' support )
- USSD transceiver



## Features

### VoIP Characters

- Support SIP/IAX2 Protocol
- Add, Modify & Delete SIP/IAX2 Trunk
- SIP/IAX2 Registration with Domain
- Combine Different SIP/IAX2 Trunk into Group
- DTMF Mode: RFC2833/Inband/SIP Info
- SIP V2.0 RFC3261 Compliance
- Multiple SIP/IAX2 Registrations modes:
  - None (No registration, just IP and Password authentication)
  - Endpoint registers with this gateway (work as a SIP Server)
  - This gateway registers with the endpoint (work as a SIP/IAX2 client)

### Network

- IPv4, UDP/TCP, ARP, DHCP, NTP, DNS, HTTP/HTTPS, SSH
- PPTP VPN
- Ping & Trace route Command on the Web
- Simple Security Strategy: white list, black list, firewall security rules

### System Features

- Abundant Codecs:G.711A, G.711U, G.729, G.722, G.726, GSM
- Friendly GUI and easy configuration
- Maintenance and configuration via WEB/SSH
- Firmware Update by Web
- Schedule Reboot
- Extensible Automatic Callback and Speed Dial
- Two-stage dialing
- Customizable IVR
- Call Status Display
- PDD/ACD/ASR/BER Display

- Mobile number portability (MNP)
- Support configuration files backup and restore
- Support for custom scripts, dialplans
- Least Cost Routing (LCR), according to Time, Port, Calling Number
- Support multiple languages
- CDR (More than 200,000 Lines CDRs Storage Locally)
- Multiple Detailed LOG Output
- Network and SIP capture
- Restore Factory Settings
- Support OpenVox Cloud Service

VS-GWM Series Wireless Gateway Module	
VS-GWM420 Series	VS-GWM400 Series
Support GSM/WCDMA/LTE	Support GSM/WCDMA
All modules share the same system and IP, and can be unified managed without clustering.	Each gateway module runs an independent asterisk system inside, every module has its own IP, need to be clustered to manage.
4-Cores Intel CPU inside	Single-Core ARM processors
These two series module can be mixed and used	

## Specifications

VS-GW1202/1600/2120 V2 Wireless Gateway			
Product Name	VS-GW1202 V2	VS-GW1600 V2	VS-GW2120 V2
Module Type	Support GSM/WCDMA/LTE		
Channel Number	8	20	44
Weight (without antenna)	1300g	3682g	6144g
Dimension (without antenna)	15*19*4.5cm	44*30*4.5cm	48.3*33.1*8.8cm
Power	18W	46W	88W
SIM Card	Hot-Swap		
Network Port	2 * 10/100M		
USB	1		
Operation Temperature	0°C ~ 40°C		
Operation Humidity Range	10% ~ 90%		
Storage Temperature Range	-20°C ~ 70°C		

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