



OpenVox VS-GWP1600/2120 Series Wireless Gateway

Overview

VS-GWP1600/2120 Series Wireless Gateway which can be compatible with a series of modules(2G/3G/4G), enabling inter-connection between GSM/WCDMA/LTE network and VoIP network safely and efficiently.

There are two models with the new VoxStack series Gateway, VS-GWP1600 and VS-GWP2120 Wireless Gateway. The VS-GWP1600 Wireless Gateway can provide up to 5 plug-in modules that could support from 4 to 20 GSM/WCDMA/LTE channels. The VS-GWP2120 Wireless Gateway can provide up to 11 plug-in modules that could support from 4 to 44 GSM/WCDMA/LTE channels.

With the unique design of the VS-GWP1600/2120 Wireless Gateway, it can support hot-swap for SIM cards and GSM/WCDMA/LTE wireless gateway modules. The wireless gateway is designed with a LAN switch board that provides stackability on the hardware upgrade. Users can simply add or remove the modules for hardware expansion or exchange.

Performance and Feature

The VS-GWP1600/2120 Wireless Gateway can bring excellent HD voice service with multiple codecs, including G.711A, G.711U, G.722, G.726, G.729A, GSM, and also flexible SMS service with SMS API. It uses the standard SIP protocol and is compatible with leading IMS/NGN platforms, IPPBX, and SIP servers supporting most of the VoIP operating platforms such as Asterisk, 3CX, FreeSWITCH SIP server, BroadSoft, etc.

With a friendly GUI and unique modular design, users may easily set up their customized gateway. Also, secondary development can be completed through API. It can provide users with more diverse telecommunication access methods and help users reduce communication costs.

Wireless Features

- SIP/IAX2/Wireless Group Management
- Random call interval
- Call Duration Limitation
- Open API Protocol
- Multiple SMS API
- SMSC/SMS/USSD/SMPP
- 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
- VPN Type: OpenVPN/PPTP VPN/N2N VPN/L2TP 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.722, G.726, G.729A, 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

VS-GWP Series Wireless Gateway Module
VS-GWM420 Series
Support GSM/WCDMA/LTE
All modules share the same system and IP, and can be unified managed without clustering.

- 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

Specifications

VS-GWP1600/2120 Series Wireless Gateway		
Product Name	VS-GWP1600	VS-GWP2120
Module Type	Support GSM/WCDMA/LTE	
Band	<p>GSM: 850/900/1800/1900MHz</p> <p>China/India LTE FDD: B1/B3/B5/B8 LTE TDD: B38/B39/B40/B41 WCDMA: B1/B8 TD-SCDMA: B34/B39 CDMA: BC0 GSM: 900/1800MHz</p>	<p>Australia/New Zealand/Taiwan /Latin America LTE FDD: B1/B2/B3/B4/B5/B7 /B8/B28 LTE TDD: B40 WCDMA: B1/B2/B4/B5/B8 GSM: B2/B3/B5/B8</p>
		<p>Europe/Middle East/Africa/ Korea/Thailand LTE FDD: B1/B3/B5/B7/B8/ B20 LTE TDD: B38/B40/B41 WCDMA: B1/B5/B8 GSM: B3/B8</p> <p>North America LTE FDD: B2/B4/B5/B12/B13/ B14/B66/B71 WCDMA: B2/B4/B5</p>
Channel Number	20	44
Weight (without antenna)	4.8kg	6.5kg
Dimension (without antenna)	434*330*44mm(length*width*height)	434*330*88mm(length*width*height)
Power	75W (Single AC power supply)	
SIM Card	Hot-Swap	
Network Port	2 * 10/100M	
Console	1	
Operation Temperature	0°C ~ 50°C	
Operation Humidity Range	10% ~ 90%	
Storage Temperature Range	-20°C ~ 70°C	

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