

## VoxStack GSM/3G Gateway

There are four models with VoxStack series of GSM Gateway, the WGW1002G, VS-GW1202, VS-GW1600 and VS-GW2120. There are 2 GSM channels in WGW1002G. The Modular Design GSM Gateways are ranging from 4 up to 44 GSM channels. It is designed for multiple frequency bands: 850/900/1800/1900MHz.

There are three models with VoxStack series of 3G Gateway, the VS-GW1202, VS-GW1600 and VS-GW2120. The Modular Design of 3G Gateways are ranging from 4 up to 44 3G/UMTS channels. 3G gateway module has 3 types: UC15-E, UC15-A, UC15-T. It is designed for multiple frequency bands: 900/2100MHz@UMTS, 900/1800MHz@GSM( UC15-E ); 850/1900MHz@UMTS, 850/900/1800/1900MHz@GSM( UC15-A ); 850/2100MHz@UMTS, 850/900/1800/1900MHz@GSM( UC15-T ).

Both GSM and 3G/UMTS gateway can support a wide selection of codecs, including G.711A, G.711U, G.729, G.722, G723, G.726. For a reliable connecting GSM/3G gateway to voip server, it can quickly reduce telecommunication expenses and maximize cost savings. With the unique design of the VoxStack Gateway, it can support hot-swap for both SIM cards and GSM/3G gateway modules. Users can simply add or remove the modules for hardware expansion or exchange. Each GSM/3G gateway module runs an independent asterisk system inside. The VoxStack gateway designs with two LAN Switch boards that provide stackability on the hardware upgrade. The GSM/3G Gateways will be 100% compatible with asterisk, Elastix, trixbox, 3CX , FreeSWITCH SIP server and VOS VoIP operating platform.

### Appearance



VS-GW1600-20W



VS-GW1202-8W



VS-GW2120-28W



VS-GW1600-20G



VS-GW1202-8G



WGW1002G



VS-GW2120-40G

## Parameter

- Size: VS -GW21(GSM) 48.3cm\*33.1cm\*8.8cm  
 VS-GW1600(GSM) 44cm\*4.5cm\*30cm  
 VS-GW1202(GSM) 15cm\*19cm\*4.5cm  
 WGW1002G 16cm\*10.1cm\*3.1cm  
 VS-GW2120(3G) 44cm\*34cm\*9cm  
 VS-GW1600(3G) 44cm\*4.5cm\*30cm  
 VS-GW1202(3G) 15cm\*19cm\*4.5cm
- VS-GW1002: 2 GSM channels  
 VS-GW1202: 4/8 GSM/UMTS channels  
 VS-GW1600: up to 20 GSM/UMTS channels  
 VS-GW2120: up to 44 GSM/UMTS channels
- Power: VS-GW2120 88W  
 VS-GW1600 46W  
 VS-GW1202 18W  
 WGW1002G 6W
- Weight: VS-GW2120(GSM) 8624g  
 VS-GW1600(GSM) 4301g  
 VS-GW1202(GSM) 1300g  
 WGW1002G 237g  
 VS-GW2120(3G) 6144g  
 VS-GW1600(3G) 3682g  
 VS-GW1202(3G) 502g
- LAN Port: 2
- SIM Cards: Hot-Swap
- GWM400G/GWM400W Module: Hot-Swap
- Operation Humidity Range: 10%~90% non-condensing
- Storage Temperature Range: -20~70°C
- Operation Temperature Range: 0~40°C

## GSM/WCDMA Features

- CLID Display & Hide (Need operators' support )
- WCDMA/UMTS: 850/900/1900/2100 MHz
- GSM: 850/900/1800/1900 MHz
- Real Open API Protocol (based on Asterisk)
- Call Duration Limitation
- SMSC/SMS/USSD
- Gain Adjustment
- PIN Identification
- IMEI Number Automatically Modify
- Band Binding
- Bind Carrier
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- Optional GSM/UMTS Voice Codec
- Call Waiting
- Call Forwarding (unconditional, no reply, busy, not reachable)
- GSM/UMTS Ports Group Management
- SMS Bulk Transceiver, Sent to Email and Automatically Resend
- SMS Coding/Detecting Automatically Identification
- SMS Remotely Controlling Gateway
- SMS Forwarding and Quick Reply
- USSD transceiver



## 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/SIPInfo
- 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 Sever) This gateway registers with the endpoint (work as a SIP/IAX2 client)

## Network

- IPv4, UDP/TCP, DHCP, TFTP, TELNET, HTTP/HTTPS, SMTP, POP3
- HTTP/SSH (Optical Telnet)
- Ping & Traceroute Command on the Web
- Two Types of IP Access
- Simple Security Strategy: white list, black list, security rules

## System Features

- Abundant Codecs : G.711A, G.711U, G.729, G.722, G.723, G.726, GSM
- Simple and convenient configuration via Web GUI
- Firmware Update by HTTP
- Automatically Reboot
- Extensible Automatic Callback and Speed Dial
- TTL Serial Port and Virtual Serial via TCP/IP Protocol
- Support DISA
- Customizable IVR
- Multiple Detailed LOG Output
- Call Status Display
- PDD/ACD/ASR/BER Display
- Mobile number portability (MNP)
- CDR (More than 200,000 Lines CDRs Storage Locally)
- Support configuration files backup and upload
- Support for custom scripts, dialplans
- Least Cost Routing(LCR), according to Time, Port, Calling Number
- Independent System for Each Module
- Restore Factory Settings
- High Equipment Materials Specifications, Suitable for Long Distance Transportation