OpenVox

VoxStack GSM Gateway

There are three GSM Gateway models with VoxStack series GSM Gateway, the WGW1002G, VS-GW1202-4/8G and VS-GW1600. There are 2 GSM channels in WGW1002G. The Modular Design GSM Gateways are ranging from 4 up to 20 GSM channels, developed for interconnecting a wide selection of codecs, including G.711A, G.711U, G.729, G.722, G.726 & GSM, to the GSM cellular networks to 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 gateway modules. Users can simply add or remove the modules for hardware expansion or exchange. Each GSM 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 Gateways will be 100% compatible with asterisk, Elastix, trixbox, 3CX , FreeSWITCH SIP server and VOS VoIP operating platform.

Appearance

VS-GW1600-20G   VS-GW1202-8G   WGW1002G

Parameter

- Size: VS-GW1600   44cm*4.5cm*30cm
  - VS-GW1202   15cm*19cm*4.5cm
  - WGW1002G   16cm*10.1cm*3.1cm

- Weight: VS-GW1600   4301g
  - VS-GW1202   1300g
  - WGW1002G   237g

- LAN Port: 2
- SIM Cards: Hot-Swap
- GWM400G Module: Hot-Swap
- Operation Humidity Range:10%~90% non-condensing

- Storage Temperature Range: -20~70°C
- Operation Temperature Range: 0~40°C
- Power: VS-GW1600   46W
         VS-GW1202-8G   18W
         WGW1002G   6W

GSM Features

- Volume Adjustment
- CLID Display & Hide (Need operators' support)
- GSM Frequency Range: 850/900/1800/1900MHz
- Real Open API Protocol (based on Asterisk)
- Echo Cancellation (G.168)
- Call Duration Limitation
- SMSC/SMS/USSD
- SMS Bulk Transceiver, Sent to Email and Automatically Resent

- Gain Adjustment
- PIN Identification
- IMEI Number Automatically Modify
- Band Binding
- Call Transfer
- Polarity Reversal
- Adaptive (dynamic) Jitter Buffer
- Call Forwarding
- GSM Ports Group Management
- SMS Coding/Detecting Automatically Identification: ASCII/UCS2
- SMS Remotely Controlling Gateway

SIP Characters

- Add, Modify & Delete SIP Trunk
- SIP Registration with Domain
- SIP V2.0 RFC3261
- SDP RFC2327
- Session Timer RFC4028
- RTP/RTCP RFC3551
- DNS SRV/A Query

- Combine Different SIP Trunks into Group
- Multiple SIP Registrations: Anonymous, Endpoint registers with this gateway (work as a SIP Sever), This gateway registers with the endpoint.
- DTMF Mode: RFC2833/Inband/Info
- SIP, IAX, TCP, UDP, RTP, TELNET, HTTP, SMTP, POP3

Network

- IPv4,IPv6(Coming soon),UDP/TCP, PPPoE, DHCP, TFTP
- IPv6 (Coming soon)

- HTTP/SSH (Optical Telnet)
- Ping & Traceroute Command on the Web
- Two Types of IP Access

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
- Without Physical Serial (Provide Virtual Serial via TCP/IP Protocol)

- Language Selection (Chinese/English)
- Multiple Detailed LOG Output
- Call Status Display
- PDD/ACD/ASR/BER Display
- CDR (More than 200,000 Lines CDRs Storage Locally)
- Restore Factory Settings
- Customizable IVR/DISA
- High Equipment Materials Specifications, Suitable for Long Distance Transportation

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