VoxStack 3G Gateway

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, 850/900/1800/1900 MHz@GSM (UC15-A); 850/2100MHz@UMTS, 850/900/1800/1900MHz@GSM (UC15-T).

VoxStack 3G/UMTS gateway can support a wide selection of codecs, including G.711A, G.711U, G.729, G.722, G723, and G.726. For a reliable connecting 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 3G gateway modules. Users can simply add or remove the modules for hardware expansion or exchange. Each 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 3G Gateways will be 100% compatible with asterisk, Elastix, trixbox, 3CX, FreeSWITCH SIP server and VOS VoIP operating platform.

⌄ Appearance

VS-GW1600-20W

VS-GW2120-44W

VS-GW1202-8W

Parameter

- Size: VS-GW1600 44cm*4.5cm*30cm
  VS-GW1202 15cm*19cm*4.5cm
  VS-GW2120 44cm*34cm*9cm
- LAN Port: 2
- SIM Cards: Hot-Swap
- GWM400W Module: Hot-Swap
- Operation Humidity Range:10%~90% non-condensing
- Frequency Bands: **UC15-E**
  900/2100MHz@UMTS
  900/1800MHz@GSM
  UC15-A
  850/1900MHz@UMTS
  850/900/1800/1900MHz@GSM
  UC15-T
  850/2100MHz@UMTS
  850/900/1800/1900MHz@GSM

- Weight: VS-GW1600 3682g
  VS-GW1202 502g
  VS-GW2120 6144g
- Storage Temperature Range: -20~70°C
- Operation Temperature Range: 0~40°C
- Power: VS-GW1600-20W 46W
  VS-GW1202-8W 18W
  VS-GW2120 88W

3G Features

- CLID Display & Hide (Need operators' support)
- WCDMA/UMTS: 850/900/1900/2100 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

- 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

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