

- Protocol: SIP & MGCP
- 4-8 FXS/O Ports
- Outstanding security: Configurable SIP ports and IP address whitelist
- Supports polarity-reversal/busy-tone detection
- Compatible with standard SIP platforms, such as Cisco CallManager, Broadsoft, Microsoft Lync/OCS, Huawei IMS and Asterisk



## **VG1XE Series Gateway**

is a perfect product for the telecom carriers to provide the residential telephony and fax services through the broadband networks such as FTTB, HFC, and ADSL. VG Series Gateway can be connected to the traditional PBXs to provide the voice solutions for enterprises, government, and schools. VG Series Gateway can also serve as a remote SIP terminal for IP-PBX solutions. VG Series Gateway is powerful hardware platform provides sufficient power for IP packetization, voice compression and echo cancellation even when the voice traffic is at the peak.

VG Series Gateway is based on the embedded Linux operating system. With its powerful hardware platform and flexible software design VG Series Gateway can meet various voice application requirements.

## Technical Data

### Protocols

SIP (RFC3261), UDP, TCP for Microsoft Lync, MGCP, IMS  
Network Telnet, SSH, HTTP, DHCP Client, PPPoE Client, Radius, DNS

### Media Processing

Caller ID Bellcore Type 1&2, ETSI, BT, NTT, and DTMF-based CID  
Codes G.711a/mu, G.729A  
DTMF Transparent transmission, RFC2833, SIP-INFO, Hook-flash events  
Fax over IP T.38 compliant Group 3 Fax Relay up to 33.6kbps and auto-switch to T.38 from G.711 Fax pass-through  
Fax data pump V.17, V.21, V.27ter, V.29, V.34 for T.38 fax relay  
Support Smart Fax over IP (SFoIP) to make fax event more reliable  
Disconnect methods Busy tone, Polarity reversal/wink, Loop current  
Echo cancellation

### Security

User-defined ports SIP, HTTP port to access the Web GUI, RTP  
Whitelist White list of Web GUI and Telnet, IP address filtering of SIP  
Encryption scheme Encryption on SIP signaling or/and media streams  
Ping blocking/unblocking

### QoS

QoS DiffServ, TOS, 802.1P/Q VLAN tagging

### High Availability

Redundancy Primary-Standby, Active-Standby, Load balancing  
Failover PSTN failover on power or network failure

### Hardware

CPU 700MHz, RAM 128M, Flash 16M

### Remote Management

Device management TR069, SNMP  
Auto provision TFTP, FTP, HTTP, DHCP option 66

### Features

Call transfer Blind transfer, Consultative transfer  
Call forward Call forward all, Call forward no answer, Call forward busy  
Call control Routing based on the caller or callee number, Digitmap, 3-way calling, Speed dialing, Do not disturb, Forking,  
Color ringback tone, Hunt group, Ring cadence, Message Waiting Indicator

### Environment Requirement

Operation Environment	Between 0~40°C and humidity between 10%~95% (Non Condensing)
Non Operation Environment	10~60°C

## For more information, please contact Us

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