

# VG3300 Series SIP Gateway



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## Product Overview

The VG3300 series SIP Gateways, based on IETF SIP standards, are designed to connect standard analog phones to SIP IP-based telephony networks. The VG3300 series is suitable for a variety of enterprise environments and applications by providing different combinations of FXS/FXO interfaces. This makes the VG3300 series SIP Gateway the most cost-effective VoIP solution while still enjoying toll quality voice and real-time fax data over IP networks services for your business.

## Key Benefits

### Compliant with RFC 3261

The VG3300 series is highly interoperable with SIP Servers such as Wcom, SIP Center, Iptel, PartySIP, Dynamitesoft, VOCAL, Simens, etc. It is also interoperable with all types of Softphones such as PingTel, Microsoft, Messenger, Ubiquity, and Cisco IP Phone. Furthermore, the VG3300 series is interoperable with products such as SIP PDAs, SIP 3G Cell phone etc..

### Easy Installation

The VG3300 SIP VoIP gateway allows users to achieve perfect voice/fax communication over the IP network. A telephone, fax machine, PBX, key telephone system, or PSTN line can be directly connected to the gateway and gain the benefit of Voice over IP immediately with no additional software or complex configuration required.

### Enterprise-Ready Voice Gateway

The Edge-Core VG3318/3310 are the ideal voice gateways for large HQ installations and branch offices. While the practical choice for remote offices and small offices is the VG3306. The VG3304 series is good for CEOs, international assignees or teleworkers. The gateway supports all standards and fax machines. A Power Fail Transfer port ensures a dial tone even during power outages. The VG3300 series includes two LAN ports for redundant network connections.

### Ideal Solutions for ISP/ITSP

The Edge-Core's VG3300 series is a risk-free, hassle-free VoIP gateway for ISP/ITSP. The remarkable VG3300 VoIP gateway is extremely flexible and scalable, making it ideal for supporting a wide range of customers from those within traditional telephony environments to leading-edge organizations

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The old saying: "Where there is a will, there is a way." For Edge-Core, we always keep to find the best integrated network solutions for you.

with IP phones and/or voice-enabled desktop PCs. It is currently being used by service providers all over the world to deliver the benefits of VoIP to paying customers.

### Enterprises/SME/SOHO Solutions

The companies all over the world who have installed the VG3300 series can make phone calls to other SIP devices through IP. Using the call forward function, employees can stay at home to answer office phone calls. The VG3300 series is able to forward calls from your phone line extension to any other VG3300 series gateway in the world. When you are traveling to your overseas branch offices, you can use the VG3300 series to forward all office calls to the branch office where you will be staying.

### CEO Solutions

The VG3300 series helps CEOs effectively control their business operations when not in the office. All they need is their notebook computer to call back to headquarters to check daily operations. Office phone calls can be forwarded to home after work or to other branch offices if traveling abroad. The VG3300 series is the best and only choice.

### Overseas students/Immigrants/International assignees

When you are away from home, use the VG3300 series system located at home to call another VG3300 series phone setup. When you are away from home/office and want to call relatives or friends who have a VG3300 series phone setup, you can call home/office first and then dial your friends or relatives using the VG3300 series phone number without paying international phone charges.



**Specifications**

**Voice Interface**

- VG3304 2 FXS
- VG3306A 2 FXO + 2 FXS
- VG3306 4 FXS
- VG3310 8 FXS
- VG3318 16 FXS
- VG3310A 4 PX + 4 FXO
- VG3318A 6 PX + 6 FXO

**Physical Ports**

- Number of Ports: 2 Ethernet Ports
- Interfaces : 10BASE-T/100BASE-TX  
Auto-negotiation
- Console: RJ-45 x1

**Data/Voice Management**

- FAX: T.30/T.38
- FXS Interface: Loop Start, 2 wires
- Feeding Voltage: 20V
- Feeding Current: 30 mA
- FXO Interface: Loop Start, 2 wires
- Connectors: RJ11 Connectors
- Voice Compression: G.711/G.723.1/G.729AB
- Silence Suppression: VAD, CNG
- Echo Cancellation: G.165/G.168 16ms
- Jitter Buffer: Adaptive Jitter Buffer Management
- Gain Control: In/Out +/-6db
- Transport Protocol: RTP, RTCP
- Call Control Protocol: SIP (RFC 3261)

**PBX Function**

- Compliant with RFC 3261
- Hunting Group
- Authentication
- Dialing Plan
- Supports Private IP
- Inbound Transit Call
- Supports T.38 FAX
- DTMF Relay
- SIP Call Forward

- Speed Dial
- Complete Configuration and Management Tools
- FTP Remote Software Upgrade
- Lifeline Support  
(Only for VG3306A / 3310A /3318A)

**Management**

- Configuration Tools: Web Browser, Phone Set, Console(N/A for VG3304), Telnet Session
- IP Address Support:
  - Static IP / PPPoE / DHCP
  - Behind NAT (Support STUN)
- Software Up-grade : FTP

**Mechanical**

- Dimension:
  - VG3304: 190mm x 110mm x 25mm
  - VG3306: 172mm x 117mm x 35mm
  - VG3310: 440mm x 44mm x 254mm
  - VG3318: 440mm x 66mm x 254mm
- LED Indicator: Power, Alarm, Registered, Time Server, CPU/Act, Link/Act, 100Mbps

**Power Requirements**

- Power
  - Power Adaptor, Voltage: 100VAC~ 240VAC
  - Frequency: 50/60Hz
- Power Consumption
  - VG3304 series: 8 W, VG3306 series: 12W
  - VG3310 / 3318 series: 70W

**Environmental:**

- Operating Temperature
  - 0 °C ~ 50 °C
- Storage Temperature
  - -10 °C ~ 70 °C

**Ordering Information**

VG3304	2 FXS
VG3306A	2 FXO + 2 FXS
VG3306	4 FXS
VG3310	8 FXS
VG3318	16 FXS
VG3310A	4 PX + 4 FXO
VG3318A	6 PX + 6 FXO

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