

Internet Telephone

- High Density of 16 or 32 FXS Ports
- Ideal for Business Phones/Fax Connection
- Compatible With SIP Services
- Extensive Call Feature Support
- Guaranteed Toll-Quality Voice Even in Busy Network

Call Features

- Call Hold, Wait, Forward, Transfer
- Easy Tracking With Call Detailed Record
- Greeting Message, Caller ID Delivery

WAN/LAN Connection

- 10/100Mbps Ethernet WAN Port
- 10/100Mbps Ethernet LAN Port
- WAN Connection Supports PPPoE, DHCP Client, DDNS

Configuration/Upgrade

- Easy Configuration by IVR or Web-Based GUI
- Web-Based Firmware Upgrade

16/32-Port VoIP Station Gateway



The DVG-2016S/DVG-2032S VoIP station gateways present an ideal Internet telephone solution for business use. These gateways convert voice traffic into data packets for transmission over the Internet, combine the industry's latest Voice over IP (VoIP) network technology with advanced communication features, and are fully compatible with SIP Internet phone services. With high port densities, they provide a low cost of ownership, convenience, and great savings for companies needing to place frequent long-distance and international business calls.

Cost Saving and Investment Protection

The DVG-2016S/DVG-2032S gateways provide businesses with an easy and inexpensive upgrade to Internet telephony while allowing them to retain their existing telephone and fax equipment. These devices allow businesses to protect and extend their past investments in telephones, conference speakers phones and fax machines, as well as to control their migration to VoIP with a very affordable and incremental investment.

16 or 32 Internet Telephone Connections

Each gateway provides 16 or 32 FXS ports for simultaneous Internet phone connections. Plug in regular phone sets to these ports and they instantly become Internet telephones. For businesses with frequent needs for long-distance and international phone calls, these devices provide great cost savings and convenience while keeping configuration and maintenance to a minimum.

Guaranteed Voice Quality

The DVG-2016S/DVG-2032S gateways deliver clear voice and reliable phone/fax communication through implementation of internationally recognized standards for voice and data networking. They incorporate Quality of Service (QoS) functions to ensure that voice received through the Internet is the same as or even surpasses that received on an ordinary phone.

Convenient Call Features

The DVG-2016S/DVG-2032S gateways support extensive call features such as call waiting and call forwarding, allowing service providers to offer these functions to all subscribers with telephones that support these convenient functions. Configuration of an individual phone connection is easy using the multi-language Interactive Voice Response (IVR) system or the web-based user's interface.



16/32-Port VoIP Station Gateway

Technical Specifications

Device Interfaces

- 16 FXS ports in 1 RJ-21 connector (DVG-2016S)
- 32 FXS ports in 2 RJ-21 connectors (DVG-2032S)
- 10/100BASE-TX RJ-45 WAN port
- 10/100BASE-TX RJ-45 LAN port

WAN Access Types

- DHCP client
- PPPoE client
- Static IP address
- PPTP
- BigPond Cable (Australia)
- MAC cloning on WAN port

Phone Book

- Phone Book Manager Server (selected version), up to 200 IAD registrations
- Phone Book Manager Client

QoS

- SIP and RTP always first policy
- WAN access rate control
- IP Precedence, DSCP (DiffServ) tagging on SIP and RTP packets
- LAN port rate limit, hi/low queue control
- 802.1Q VLAN Tag Support

SIP

- By port registration
- By IAD registration
- Mixed configuration of "By Port" and "By IAD" on the same IAD
- Outbound Proxy
- Session Timer: Update, Re-Invite
- E.164 Numbering
- Redundant SIP PROXY support (fail-over by registration)
- SIP PING (on special version)
- Adjustable NAT port binding interval (binding with Proxy)
- CLIR (anonymous caller ID)
- Hot line/warm line
- Group hunting, configurable hunting sequence
- Support one-way media (SIP 183)

- Call hold
- Call waiting
- Call transfer: attended, unattended
- Call forward: unconditional, busy, no answer
- 3-way conference compatible with NORTEL MCS5200
- T.30 fax pass-through
- T.38 fax relay
- Adjustable fax tone detection level
- Out-of-band DTMF: RFC2833, SIP INFO

Telephony Features

- G.711 a/u, G.726 (32K), G.729A, G.723.1
- Adjustable jitter buffer
- Adjustable packet time (by Codec type)
- Silence detection and suppression
- Echo cancellation
- Digit map defines number length by leading digits, route assignable
- Local phone book enables calling to other VoIP devices without registration
- Speed dial
- Caller filter accept/deny caller by IP address
- On machine user-recorded prompt message
- FXS caller ID generation: DTMF, FSK (Bell core/ETSI)
- End of digit tone (inform user complete codes accepted)
- Configurable dial-way timeout/inter-digit timeout/DTMF on-off length
- Adjustable listening & speaking volume (-6 to +6db)
- Adjustable tone volume (1 to 5)
- Adjustable FLASH time

Management

- Web-based & Telnet
- By Provision Server
- 2 privilege WEB login accounts
- 3 web languages by default (English, Traditional Chinese, Simplified Chinese)
- System information shows device status and registration status
- Per call RTP packet summary
- PING test
- STUN inquiry

LED Indicators

- Power
- Reset
- Alarm
- Run
- 1 to 16 (DVG-2016S)
- 1 to 32 (DVG-2032S)

Power Input

- 90 to 260 VAC, 50/60Hz internal universal power supply

Dimensions

- 442 x 330 x 43 mm
- 19-inch standard rack-mount width, 1U height

Weight

- DVG-2016S: 4.1 kg
- DVG-2032S: 4.4 kg

Operating Temperature

- 0° to 45° C (32° to 113° F)
- Storage Temperature
- -25° to 75° C (-13° to 167° F)

Humidity

- Up to 95% non-condensing

Certifications

- FCC Class A
- CE
- UL



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