



— DVG-2004S

4-Port VoIP Station Gateway

The D-Link DVG-2004S 4-port VoIP Station Gateway is an ideal Internet telephone solution for office use. It combines the industry's latest Voice over the IP network technology with advanced communication features, and is compatible with any phone service. This device converts voice traffic into data packets for transmission over the Internet. It is inexpensive and easy to use, providing the convenience and great savings for companies needing to place frequent long-distance and international business calls.

Cost Saving and Investment Protection

The DVG-2004S provides businesses with an easy and inexpensive upgrade to Internet telephony while allowing them to retain their existing telephone and fax equipment. It allows users to protect and extend their past investments in telephones, conference speakers phones and fax machines, as well as to control their migration to IP with a very affordable and incremental investment.

4 Internet Telephone Connections

The DVG-2004S provides 4 FXS ports for 4 simultaneous Internet phone connections. Plug in regular phone sets to these ports, and they instantly become Internet telephones. For offices with frequent needs for long-distance and international phone calls, this device provides great cost saving and convenience, allowing users to connect any phones or fax machines to it to make calls or send out faxes on the Internet. Each of the 4 service lines from the DVG-2004S can be independently configured through software controlled by the Service Providers or the end users.

Convenient Call Features

This DVG-2004S supports many useful functions, allowing the service providers to offer these functions to their subscribers. Provided that the telephone sets at the end-users side support these functions, callers can take advantage of these convenient features. The DVG-2004S call function support includes attended call transfer, call forward (busy, no answer, unconditional), call hold and retrieve, call waiting, caller ID display, anonymous call blocking and 3-way conference. Numerous ring tones are also supported, allowing users to personalize ring tones for easy recognition of incoming calls.

Guaranteed Voice Quality

The DVG-2004S delivers clear sounds, voice and reliable fax calling through implementation of internationally recognized standards for voice and data networking. It incorporates Quality of Service (QoS) functions to ensure that voice received through the Internet is the same as or even surpasses that received on the ordinary phone.

Product Functions/Features

- 4 analog loop-start FXS interfaces for connection to 4 phones/fax machines
- SIP protocol support
- 10/100Mbps Ethernet LAN port connection to Internet DSL/cable modem
- PPPoE for dial-up broadband connection
- Convenient call feature support including call transfer, forward, hold, retrieve, call waiting, caller ID display and anonymous call blocking, 3-way conference
- User-selectable ring tones support
- Guarantee voice quality with QoS support
- Easy installation with UPnP support

Phone Interface

4 FXS ports (RJ-11) connections to analog phone

Protocol

IETF SIP (RFC 3261)

Network Interface

10/100BASE-TX (RJ-45) Ethernet port

Call Features

- Call Transfer (Attended)
- Call Forward (Busy, No Answer, Unconditional)
- Call Hold/Retrieve
- Call Waiting
- Caller ID Display
- Anonymous Call Blocking
- 3-Way Conference (dialing through SIP server)

FAX Support

- G.711 pass-through
- T.38

Codec

- G.711u-law
- G.711a-law
- G.723.1 (5.3k) (option)
- G.723.1 (6.3k) (option)
- G.729a

DTMF

- In-band DTMF
- Out-of-band DTMF (RFC 2833)

SIP Server Support

- Registrar Server (setting from web)
- Outbound Proxy (setting from web)
- Redundant Proxy Server (setting from web)

Security

- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC 2069, RFC 2617)

Dial Methods

- Direct IP call without SIP proxy
- Dial number via SIP server
- Dial URI via SIP server

Voice Quality

- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- AEC (Acoustic Echo Cancellation) G.168
- Jitter buffer

QoS

ToS field

Tone

- DTMF
- Ring tone, 4 selectable tones
- Ring Back tone (local and remote)
- Dial tone
- Busy tone
- User-defined tone

IP Assignment

- Static IP
- DHCP
- PPPoE

NAT Traversal

- UPnP
- STUN

Configuration

- Web browser
- Command Line Interface (through console port, Telnet)

Firmware Upgrade

TFTP

Console

D-SUB 9 pin RS-232 port

LED Indicators

- Device Ready
- Active (per FXS port)
- Link, Activity (LAN port)

Physical & Environmental

Power Input

DC 12V/1.25A
Through external power adapter

Dimensions

267 (L) x 174 (W) x 45 (H) mm (device only)

Weight

1.4 kg (device only)

Operation Temperature

0° to 40 °C

Storage Temperature

-20° to 60 °C

Operating Humidity

5 to 95% non-condensing

Emission (EMI) Certification

- FCC Class A
- CE Class A

Safety Certification

CB (IEC60950)



Ordering Information

DVG-2004S 4-Port VoIP Station Gateway (SIP Protocol Support)

D-Link®

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