

## VoIP Station Gateway

### For Single Internet Telephone Connection

- Cost-Effective Internet Phone Gateway for Home/Office
- Connects Any Analog Telephone/Fax Machine to Internet
- Direct Internet Phone Call Without SIP Proxy
- 3-Way Conference Support

#### FEATURES

##### Internet Phone Connection

- FXS Port for Telephone/Fax Machine Connection
- 10/100BASE-TX Ethernet Port for DSL/Cable Modem Connection
- SIP Protocol Support
- PPPoE for Dial-up Broadband Connection

##### Guaranteed Voice Quality

- Voice Activity Detection
- Comfort Noise Generation
- Acoustic Echo Cancellation
- Jitter Buffer

##### Designed For Home/SOHO

- Compact/Low-Cost Device
- Direct Internet Call Without VoIP Proxy

The D-Link DVG-2001S single-port VoIP station gateway is an ideal Internet telephone solution for home and office. 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 homes and offices needing to place frequent long-distance and international calls.

*Cost Saving and Investment Protection.* The DVG-2001S provides homes and businesses with an easy and inexpensive upgrade to Internet telephony without any need to change existing telephone and fax equipment. Its protects and extends your past investments in telephones, conference speakers phones and fax machines, as well as to control your migration to IP with a very affordable and incremental investment.

*Ideal for Home/SOHO.* Compact and low-cost, the DVG-2001S provides an Ethernet port that plugs to a DSL or cable modem, and a FXS port that plugs to any regular telephone set or fax machine. For homes and offices with frequent needs for long-distance and international phone calls, this device provides great cost savings and convenience. The DVG-2001S can be independently configured through software controlled by the Service Providers or the end users.

*Convenient Call Features.* The DVG-2001S supports many useful functions, allowing the service providers to offer these functions to their subscribers. Provided that your telephone set supports these functions, you can take advantage of these convenient features. The DVG-2001S call function support includes attended call transfer, call hold, call waiting, caller ID display, and 3-way conference.



## Technical Specifications

### Phone Interface

1 FXS (RJ-11) port

### WAN Interface

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

### Protocol

IETF SIP (RFC3261)

### Call Features

- Call transfer
- Call waiting
- Call hold
- Caller ID display
- 3-way conference (dialing via SIP server)

### Codec

- G.711U-law
- G.711A-law
- G.729A

### Fax Support

G.711

### DTMF

- In-band DTMF (G.711)
- Out-of-band DTMF (RFC 2833)

### SIP Server Support

- Registrar server
- Outbound proxy
- Redundant proxy server

### Security

- HTTP 1.1 basic/digest authentication for web setup
- MD5 for SIP authentication
- Supports configuration download using HTTPS or SSL/TLS client certificate encryption and authentication

### Dial Methods

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

### Voice Quality

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

### Tone

- DTMF
- Ring back tone
- Dial tone
- Busy tone

### IP Assignment

- Static IP
- DHCP
- PPPoE

### NAT Traversal

- STUN

## Physical & Environmental

### Power Input

- AC 12W/1.2A
- Through external power adapter

### Dimensions

90 (L) x 82.5 (W) x 31 (H) mm

### Weight

122.5 grams

### Operation Temperature

0° to 40 °C

### Storage Temperature

-10° to 55 °C

### Operating Humidity

5 to 95% non-condensing

### Emission (EMI) Certification

- FCC Class B
- CE
- VCCI

### Safety Certification

CSA



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