D-Link
Building Networks for People

DVG-3004S

FEATURES

Key Features:

- Route Phone lines to your IP Network for VoIP and IP PBX Usage
- Interconnect Existing Phone systems in Remote Locations Across the Internet
- Expand Existing Phone Systems with IP-Based Phones and Hardware.
- Interoperates with any Standard SIP Device

Networking Features

- SIP (RFC 3261) Compliant
- 10/Mb IEEE 802.3 Complaint

Telephony Features

- Caller ID
- Message Waiting Indication
- Call Waiting / Call Forwarding
- Caller ID on Call Waiting
- Call Transfer (on busy, no answer, all)
- Special Purpose Calling Codes
- Speed Dial
- Redial
- Routing (based on called number or other criteria)
- CDR for Accounting
- STUN Client for NAT Transversal
- Flexible Interface for Analog Phones, Fax, Traditional PBX with Analog Trunks
- Fax Tone Detection and Codec Bypass (T.30) and fax relay (T.38) function G.711, G.723.1, G.729A codec
- G.168 Echo Cancellation
- DTMF Transportation: Transparent Mode, RFC 2833 Mode, SIP/INFO Mode

Product Data Sheet

XSTACK™

IP Telephony

SIP Analog Trunk Gateway

D-Link, an industry leader in networking, introduces the DVG-3004S, a analog trunk gateway that connects standard phone lines with IP networks, into a single communications network.

Internet IP telephony, also called Voice over IP (VoIP), is defined as the transport of telephone calls over the Internet as standard Internet data packets. Internet telephone calls can originate from traditional phone handsets via phone-line-to-Internet (Analog Trunk) gateways, by PCs using software, or embedded devices (IP Phones). Most of the interest in Internet telephony is motivated by cost savings and easy of developing and integrating new services. Internet telephony integrates a variety of services provided by the current Internet and the Public Switched Telephone Network (PSTN) infrastructure.

An Analog Trunk Gateway is the bridge between local PSTN (Public Switched Telephone Network) phone lines and any Ethernet IP network. The result is your phone and FAX services can converge with your data network. The DVG-3004S features four RJ-11 analog FXO ports for connecting to the local PSTN phone lines and one 10 Base-T connector for local Ethernet network.

The DVG-3004S SIP Analog Trunk Gateway is an ideal solution for converging your business phone requirements to next generation communication services and can be used for different purposes.

Solution One: A solution for routing current phone system over the Internet. This can be used for connecting phone systems of a company with many branches, or as toll-bypass for phone systems located in any Internet accessible location in the world.

Solution Two: A solution for expanding your current phone system. It can be used to connect cost-effective Ethernet IP telephony devices, like an IP Phone, to any normal phone system.

Solution Three: A solution for adding new technology to your current phone system. It can be the gateway for Wi-Fi SIP IP Phones or Hybrid Phones.

Solution Four: A solution for routing current phone systems to Internet Telephony Service Providers (ITSP), which give you low per minute or flat-rate phone services.

Solution Five: A solution to provide your SIP IP PBX access to local PSTN phone lines. It allows IP telephony products access to inbound 800 phone numbers, outbound 911 services, and back-up routes to Internet Telephony Service Providers (ITSP).

The product includes a flexible QoS engine, which sets voice data packets with higher priority. In addition to Layer 3 IP TOS QoS, it also offers 802.1Q compliance for Layer 2 VLAN segmentation. Both traffic managment mechanisms improve call quality and reliability. Both can be tuned to fit your data network. The DVG-3004S is hardened against network attacks with its built-in packet inspection engine. Access to its phone services is securely handled by SIP standard challenge-response authentication.

The DVG-3004S SIP Analog Trunk Gateway is designed for any size business. It is 1U high and 8.5” wide allowing side-by-side placement in a standard 19” Rack. It offers a simple rugged metal chassis with high quality connectors to ensure high reliability. The DVG-3004S is a cost-effective product that delivers high quality voice, using its broadband tuned codec, voice detection, and echo cancellers.

DVG-3004S

SIP Analog Trunk Gateway

Specifications

Protocol Support
- SIP (RFC3261) Compliance
- DTMP Dialing/Detection
- Fix IP and DHCP
- PSTN Polarity Reversal Detection

Network Features
- LAN Port: 10/100Base-TX Base-T Ethernet
- PSTN Port: 4 Analog FXO Ports
- COM Port: RS-232 Console Port (DB9)
- Support Static IP and DHCP
- QoS by ToS (Type of Service)
- SNTP (Simple Network Time Protocol)

Hardware Specification
- CPU: Motorola XPC850ZT50BT
- DRAM: 8MB
- Flash: 2MB

Telephone Features
- Peer-to-Peer Mode
- Support Auto-Attendant (2nd Dial Tone/Voice Greeting)
- Line Hunting
- E.164 (Telephone Number Plan)
- DTMF Dialing
- DTMF Detection/Generation
- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generate)
- Dynamic Jitter Buffer
- Bad Frame Interpolation
- Completed Voice Band Signaling Support
- Receive Caller ID (DTMF of FSK) From PSTN
- Provide Inbound and Outbound DTMF Generation/Detection between LAN and PSTN Interface
- Gain/Attenuation Settings
- G.168.1 Echo Cancellation

Related products
- DVX-1000: SIP IP PBX with Conferencing Bridge
- DVX-S1001: 1-Additional Extension License Certificate
- DVX-S1005: 5-Additional Extension Licenses Certificate
- DVX-S1010: 10-Additional Extension Licenses Certificate
- DVX-S1020: 20-Additional Extension Licenses Certificate
- DVG-2001S: 1-Port Analog Terminal Adapter (ATA)
- DVG-1402S: Wired Router with 2-Port ATA
- DVG-G1402S: Wired/Wireless Router with 2-Port ATA
- DPH-140S: Wired Ethernet IP Phone

Voice CODEC
- G.711 (A-law)
- G.723.1
- G.729A (Optional)
- G.168.1 Echo Cancellation

Device Management
- Secure Web-GUI Configuration
- TFTP Software Upgrade
- Remote Configuration/Reset via TELNET
- Console Port: RS-232C Port

LEDs
- Indicator for PSTN Port Status
- Power ON/OFF
- Link/ACT 10Base-T Status
- READY Work Status

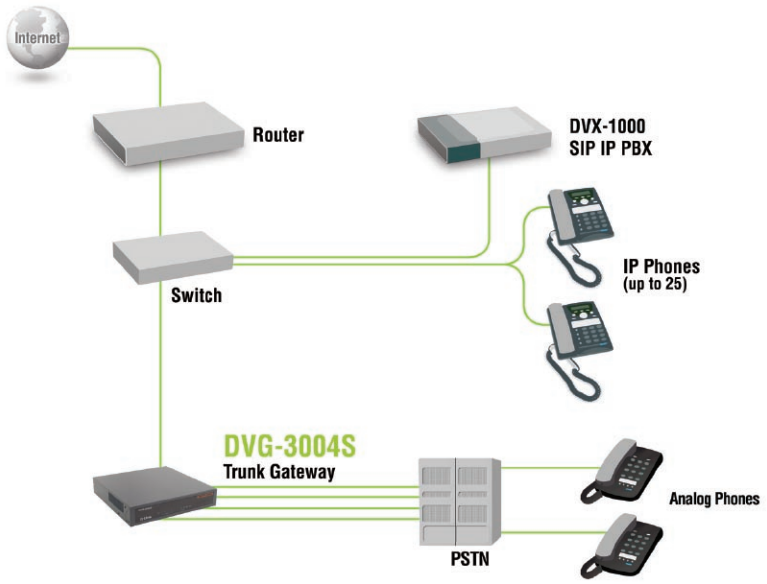
Power
- 100-240V AC, 50-60Hz

Temperature
- Operating: 32˚ to 122˚ F
- Storage: -13˚ to 131˚ F

Humidity
- 5% to 95% (non-condesing)

Certifications
- CE Class A
- FCC Class A
- UL

Warranty
- 1-Year Limited



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