

DVG-1120



VoIP Gateway with Two Voice Ports

- Support QoS to Guarantee Voice Quality
- Adaptive Buffer to Reduce Bandwidth Consumption
- Lost Packet Recovery Ability for Improved Voice Quality
- Local and Remote Management over the Internet using Web Browsers

Express EtherNetwork™ **VoIP Gateway**

The DVG-1120 is a VoIP Gateway equipped with two standard phone ports, one lifeline voice port for fail-over to standard phone services, one WAN Fast Ethernet 10/100BaseTX Port, and one LAN Fast Ethernet 10/100BaseTX Port.

With the integration of both voice and data, the DVG-1120 offers Small-to-Medium-Size Businesses (SMB) the ability to route data information into one end-to-end network solution. In addition to standard residential gateway data services, end-users are enabled with low-cost long-distance calling, faxing, and a host of advanced services including DVG-1120-to-Phone, Phone-to-DVG-1120, and DVG-1120-to-DVG-1120.

The DVG-1120 is compatible with xDSL and Cable-Modem Broadband service providers with built-in support for with DHCP Client, MAC Address Cloning, PPPoE, and multiple auto-provisioning methods.

The DVG-1120 has been tested with most major VoIP Softswitch vendors' Call Management systems. Devices such as the DVG-1120 require a Call Management system to function. These services are offered

independently of D-Link, but are only required if user would like to use voice features of the DVG-1120.

For Internet connection sharing in your home the DVG-1120 offers support for up to 32 IP devices. Services offered to the internal home network are DHCP Server, Network Address Translation (NAT), and IPSEC pass-thru. Because the DVG-1120 shares your single ISP IP address, it masks the local users' IP addresses from the outside world, preventing intruders and hackers from gaining access to network resources, data files or personal information.

The DVG-1120 has voice support that includes hardware based Quality of Service (QoS), voice compression (popular voice CODECs G.711-G.729e), echo cancellation, dynamic latency (jitter) buffers, silence suppression, and comfort noise generation.

The DVG-1120 features can be remotely configured using the convenient and secure Web-based Interface. For diagnostics features, the DVG-1120 has management-at-a-glance LEDs on the front panel, and over 100 real-time statistics.

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DVG-1120



SPECIFICATIONS

Call Control Protocols Compliance

- SIP (RFC2543)

Voice Compression

- G.711 (A-law and u-law), G.723, G.729a

Analog Voice Ports

- Type: Loop-Start FXS interfaces
- DTMF tone detection/generation
- V.21/V.25 Modem/Fax tone detection
- Echo Cancellation: G.165/G.168

Ethernet Ports

- WAN: 10BASE-T Ethernet Port (MDI-II)
- LAN: NWay 10/100BASE-TX Fast Ethernet Ports (MDI-X)
- IEEE 802.3 10/BASE-T Ethernet compliance
- IEEE 802.3u 100BASE-TX Fast Ethernet compliant

Quality of Service

- Voice service is prioritized over the data traffic

FAX Support

- V.21, V.27ter, V.29, V.17 Modulation/Demodulation

Network Protocols

- TCP/IP, UDP, ARP, ICMP, TFTP, Telnet, SNMP, HTTP, RIP1/RIP2
- DHCP: Dynamic Host Configuration Protocol server and client
- NAT: Network Address Translation
- PPP over Ethernet Client

Network Management

- SNMP management agent base MIB II
- Telnet provisioning
- Manage functions through an intuitive web-based graphical user interface
- Local management console
- TFTP: The built-in Trivial File Transfer Protocol provides firmware upgrade

Dimensions

- 172mm (W) x 156.6mm (D) x 34mm (H)

Security

- Password Authentication Protocol/Challenge Handshake Authentication Protocol (PAP/CHAP)
- Administrative password through Telnet, Console, Web and SNMP
- Packet filter by IP address, port number and protocol

LEDs

General

- Power
- Status/Alarm

Ethernet

- WAN: Link/Act
- LAN: 10/100M, Link/Act

Phone 1 to 2

- PSTN/VoIP
- Hook/Ringing

Number of Ports

- One 10BASE-T Ethernet port (WAN)
- One 10/100BASE-TX Fast Ethernet port (LAN)
- Two loop-start FXS RJ-11 ports
- One PSTN POTS RJ-11 port for Life Line
- One RJ-14 Console port

Power Supply

- AC-to-DC power adapter (provided)
- DC Input: 12VDC/1A

Operating Temperature

0 - 50° C

Storage Temperature

-10 - 55° C

Humidity

5% - 95% non-condensing

Safety

UL/CUL

Storage Temperature

- VCCI Class B
- FCC part 68

Protocols Supported:

-DVG-1120M = MGCP

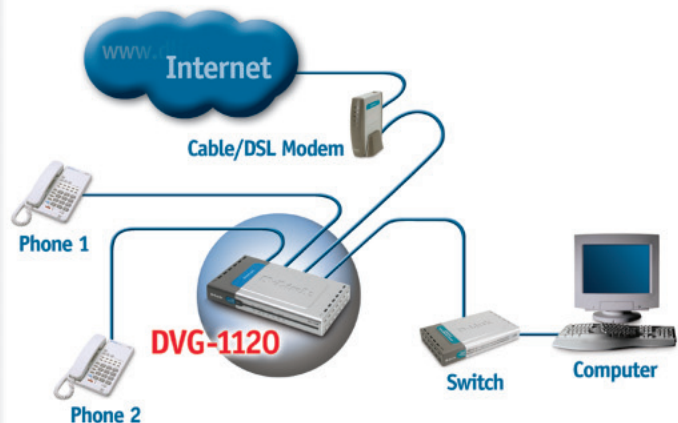
-DVG-1120S = SIP

Data & Voice Network:

-2 Foreign Exchange Subscriber (FXS) ports (RJ-11 Jacks)

-2 NWay 10/100 Fast Ethernet Ports (RJ-45 Jacks)

-IP Sharing



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* 24/7 Tech Support is available only in USA.

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