

DG-102S/SH



VoIP Residential Gateway

- 2 Standard Telephone Ports
- Remote Web Based Management
- Intelligent dialing mode
- Auto-Fall back to PSTN



The DG-102 is a Residential 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 DG-102 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 DG-102-to-Phone, Phone-to-DG-102, and DG-102-to-DG-102.

The DG-102 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 DG-102 is MGCPV. 1.0 or H.323 V.2.0 compliant and has been tested with most major VoIP Softswitch vendors Call Management systems. By definition MGCP/ H.323 devices such as the DG-102 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 DG-102.

For Internet connection sharing in your home the DG-102 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 DG-102 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 DG-102 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 DG-102 features can be remotely configured using the convenient and secure Web-based Interface. For diagnostics features, the DG-102 has management-at-a-glance with 10 LEDs on the front panel, and over 100 real-time statistics.

VoIP Residential Gateway

TECHNICAL SPECIFICATIONS

Technical Specifications Standards

- 2 Foreign Exchange Subscriber (FXS) POTS ports (RJ-11 Jacks)
- 2 Auto-Negotiating 10/100BASE-TX Fast Ethernet ports (WAN & LAN)
- Voice Activity Detection (VAD) / Adaptive Comfort Noise Generation (CNG)
- Silence Suppression
- Jitter Buffer Parameters and Adaptive Jitter removal
- DHCP Server-Static and Dynamic IP Addressing
- NAT-Allows Multiple Users to Access the Internet via a Single IP Address
- Command Port for Easy Configuration
- Remote Web Based Management Software-Access over the Internet via a Web Browser
- Phone and Caller ID Functionality
- Quality of Service (QoS)
- Life-Line Support:
 - Automatic fall back to PSTN in case of power failure or network breakdown
 - Intelligent dialing mode (IP/PSTN Call) alternation.
- Call Control Protocols Compliance:
 - S = MGCP V. 1.0
 - SH = H.323
 - Voice Compression
 - G. 711 (A-law and u-law),
 - G.723.1, G.728, G.729ab, G.729e
 - Analog Voice Ports

WAN/LAN

- 10/100Mbps

Link-Light Display

- When a good link to a powered-up but idle device is detected on a port, this indicator shines steadily.
- Light Indicator blinks off and on when packets sent and received

Line

- Lights when PSTN line is in use

Phone 1 to 2

- Lights when standards phone port is in use

Dimensions

- 223.3(W) X 131.7(D) X 35(H) mm

Number of Ports

- Two 10/100BASE-TX Fast Ethernet Port (WAN & LAN)
- Two Loop-Start FXS RJ-11 Ports
- One PSTN POTS RJ-11 Port for Lifeline
- One RS-232C, DB-9 Console port

Power Supply

- AC-to-DC Power Adapter (Included)
- DC Input: 12VDC/1A

Operating Temperature

- 0° – 50°C

Storage Temperature

- -25°C – 55°C

Humidity

- 5% - 95% Non-Condensing

Emission(EMI)

- FCC Part 15 Class B
- FCC Part 68
- VCCI Class B
- BSMI Class B
- CE Class B
- C-Tick Class B



DG-102S/SH



*The DG-102 features
can be remotely configured using
the convenient and secure
Web-based Interface.*



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

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