



Wireless VoIP Router with FXS Port and Built-in 4-port Switch

FXS PORT

Support of analog phone, good quality of voice transmission

SECURITY

Multiple firewall functions, several security standards for wireless connection

802.11N

High connection rate (up to 300Mbps) and superior wireless range

SIP Telephony

The VoIP router is equipped with a FSX port which allows connection of an analog phone for calls via Internet.

Wireless Interface

Using the DVG-N5402SP device, you are able to quickly create a high-speed wireless network at home or in your office, which lets computers and mobile devices access the Internet virtually anywhere (within the operational range of your wireless network). The router can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n (at the rate up to 300Mbps).

The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, WPS, WMM.

In addition, the device is equipped with a button for switching the Wi-Fi network off/on. If needed, for example, when you leave home, you can easily switch the router's WLAN by pressing the button, and devices connected to the ports of the router will stay online.

Security

The wireless router DVG-N5402SP includes a built-in firewall. The advanced security functions minimize threats of hacker attacks and prevent unwanted intrusions to your network.

Configuration and Management

You can configure and manage the settings of the wireless router DVG-N5402SP via the user-friendly web-based interface (the interface is available in several languages).

DVG-N5402SP

Specifications

Wireless VoIP Router with FXS Port and Built-in 4-port Switch

Hardware

WAN Interface

- 1 10/100/1000BASE-TX Ethernet port for cable or DSL modem or private Ethernet line

LAN Interface

- 4 10/100/1000BASE-TX Ethernet ports

WLAN Interface

- IEEE 802.11n (up to 300Mbps)
- IEEE 802.11b/g

FXS Interface

- 1 FXS port for connecting analog phone or fax machine

Frequency Range

- 802.11b
 - 2400 ~ 2484MHz ISM band
- 802.11g
 - 2400 ~ 2484MHz ISM band
- 802.11n
 - HT20: 2400 ~ 2483.5MHz ISM band
 - HT40: 2422 ~ 2452MHz ISM band

Data Rate

- 802.11b
 - 11, 5.5, 2, and 1Mbps per channel, auto fallback
- 802.11g
 - 54, 48, 36, 24, 18, 12, 9, and 6Mbps per channel, auto fallback
- 802.11n
 - HT20: up to 150Mbps
 - HT40: up to 300Mbps

Modulation Schemes

- 802.11b: CCK, DQPSK, DBPSK
- 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS
- 802.11n: 64 QAM, 16QAM, QPSK, BPSK

Software

General SIP Features

- Invite with Challenge
- Register by SIP server IP address or domain name
- RFC3986 SIP URI format support
- Outbound proxy support
- Session timers (update/re-invite)
- DNS SRV Support
- Call types: voice/modem/fax
- User programmable Dial Plan
- Manual peer table (for P2P calls)
- E.164 Numbering, ENUM support

Call Features

- Direct IP-to-IP call without SIP proxy
- Call hold / retrieve
- Call awaiting
- Forwarding (unconditional, busy, no answer)
- Do Not Disturb
- MWI (Message Waiting Indication)
- Anonymous call blocking
- CLIR
- Speed dialing
- Hotline

Voice Features

- Codecs: G.711 a/μ-law, G.729A, G.726, G.722
- DTMF detection and generation
- Comfort Noise Generation (CNG)
- Voice Activity Detection (VAD)
- Adaptive (Dynamic) Jitter Buffer
- Call progress tone generation (FXS)
- Programmable Gain Control
- In-band DTMF, out-of-band DTMF (RFC2833, SIP-INFO)
- DTMF/PULSE dial support
- Caller ID detection and generation
- T.30 FAX bypass to G.711, T.38 Real Time FAX Relay

DVG-N5402SP

Specifications

Wireless VoIP Router with FXS Port and Built-in 4-port Switch

Network Functions

- WAN connection types:
 - PPPoE
 - Static IP
 - Dynamic IP
 - PPTP/L2TP
 - PPTP/L2TP + Static IP
 - PPTP/L2TP + Dynamic IP
- DHCP server and client
- DNS relay
- VPN pass-through (PPTP/L2TP)
- Dynamic DNS
- Static IP routing
- Remote management
- Network statistics for each interface
- IGMP Proxy
- RIP
- UPnP
- Support of VLAN
- WAN ping respond

Wireless Connection

- Supported security settings:
 - WEP
 - WPA/WPA2 Personal
 - WPA/WPA2 Enterprise
- MAC filter
- PIN and PBC methods of WPS
- WMM (Wi-Fi QoS)
- Advanced settings

Firewall Functions

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- IP filters
- MAC filter
- URL filter
- DMZ
- Prevention of ARP and DDoS attacks
- Virtual servers

Configuration and Management

- Multilingual web-based interface for configuration and management
- Access via TELNET
- Firmware update via web-based interface
- Saving/restoring configuration to/from file
- Support of remote logging
- Automatic synchronization of system time with NTP server and manual time/date setup
- Ping function
- Traceroute utility

Physical and Environmental

LEDs

- POWER
- WAN
- 4 LAN LEDs
- WLAN
- WPS
- FXS

Power

- External power adapter DC 12V/1.25A

Buttons

- Power on/off button
- Reset to Factory Defaults button
- WPS button
- WLAN on/off button

Operating Temperature

- From 0 to 40 °C (from 32 to 104 °F)

Storage Temperature

- From -20 to 70 °C (from -4 to 158 °F)

Operating Humidity

- From 10% to 90% non-condensing

Storage Humidity

- From 5% to 95% non-condensing

Ordering Information

DVG-N5402SP

Wireless VoIP Router with FXS Port and Built-in 4-port Switch

The D-Link logo is displayed in a large, bold, blue font. The 'D' and 'L' are significantly larger than the other letters, and the 'i' in 'Link' has a registered trademark symbol (®) to its upper right.