

Product Highlights

2 FXS PORTS

Support of 2 analog phones, good quality of voice transmission

USB PORT

Support of USB modem for Internet connection via 4G/3G/2G network, USB storage, and printer

IPV6 SUPPORT

All needed functions for up-to-date networking

DVG-N5402SP



Wireless Router with 3G/CDMA/LTE Support, 2 FXS Ports, and USB Port

SIP Telephony

The VoIP router is equipped with two FSX ports which allow connection of analog phones for calls via Internet.

USB Port

The router is equipped with a USB port for connecting a USB modem, which can be used to establish connection to the Internet. In addition, to the USB port of the router you can connect a USB storage device, which will be used as a network drive, or a printer.

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, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN.

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).



Hardware	
Interfaces	 10/100BASE-TX WAN port 4 10/100BASE-TX LAN ports 2 FXS ports USB 2.0 port
LEDs	 POWER WAN 4 LAN LEDs WLAN WPS USB 2 FXS LEDs
Buttons	 ON/OFF button to power on/power off RESET button to restore factory default settings WPS button to set up secure wireless connection WLAN button to enable/disable wireless network
Antenna	· Two internal omnidirectional Airgain antennas (5dBi gain)
МІМО	· 2x2
Power connector	· Power input connector (DC)
Mounting	 Desktop Wall

Software	
General SIP Features	 Individual account per port Invite with Challenge Register by IP address or domain name of SIP server Backup proxy support Support of DHCP option 120 RFC3986 SIP URI format support Outbound proxy support STUN client Session timers (update/re-invite) Call types: voice/modem/fax User programmable Dial Plan Manual peer table (for P2P calls)
Call Features	 Direct IP-to-IP call without SIP proxy Call hold / retrieve Call awaiting Forwarding (unconditional, busy, no answer) Do Not Disturb Anonymous call blocking Speed dialing Phone book Hotline Vertical service codes CLIR
Voice Features	 Codecs: G.711 a/µ-law, G.729A, G.726, G.723.1 (incoming calls only) DTMF detection and generation In-band DTMF, out-of-band DTMF (RFC2833, SIP-INFO) Comfort Noise Generation (CNG) Voice Activity Detection (VAD) Adaptive (Dynamic) Jitter Buffer Call progress tone generation (FXS) DTMF/PULSE dial support Caller ID detection and generation T.30 FAX bypass to G.711, T.38 Real Time FAX Relay



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Software		
WAN connection types	 LTE 3G PPPoE IPv6 PPPoE PPPoE Dual Stack Static IP / Dynamic IP Static IPv6 / Dynamic IPv6 PPPoE + Static IP / Dynamic IP PPTP/L2TP + Static IP PPTP/L2TP + Dynamic IP 	
Network functions	 DHCP server/relay DHCPv6 server (Stateful/Stateless), IPv6 prefix delegation DNS relay Support of DNSv6 AAAA records Dynamic DNS Static IP routing Static IPv6 routing IGMP Proxy RIP Support of UPnP IGD Support of VLAN WAN ping respond Support of SIP ALG Support of RTSP 	
Firewall functions	 Network Address Translation (NAT) Stateful Packet Inspection (SPI) IP filter IPv6 filter MAC filter URL filter DMZ Prevention of ARP and DDoS attacks Virtual servers 	
VPN	· IPSec/PPTP/L2TP/PPPoE pass-through	
USB interface functions	 USB modem Auto connection to available type of supported network (4G/3G/2G)¹ Enabling/disabling PIN code check, changing PIN code² USB storage Print server Access to storage via accounts Built-in Samba server Built-in FTP server Built-in DLNA server 	
Management	 Local and remote access to settings through TELNET/WEB (HTTP) Multilingual web-based interface for configuration and management 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 TR-069 client 	



Wireless Module Parameters	
Standards	· IEEE 802.11b/g/n
Frequency range	· 2400 ~ 2483.5MHz
Wireless connection security	 WEP WPA/WPA2 (Personal/Enterprise) MAC filter WPS (PBC/PIN)
Advanced functions	 WMM (Wi-Fi QoS) Advanced settings
Wireless connection rate	 IEEE 802.11b: 1, 2, 5.5, and 11Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps IEEE 802.11n: from 6.5 to 300Mbps (from MCS0 to MCS15)
Transmitter output power The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country	· Less than 20dBm (100mW)
Receiver sensitivity	 802.11b (typical at PER = 8% (1000-byte PDUs) at room temperature 25 °C) -76dBm at 11Mbps 802.11g (typical at PER = 10% (1000-byte PDUs) at room temperature 25 °C) -68dBm at 54Mbps 802.11n (typical at PER = 10% (1000-byte PDUs)) HT20 -67dBm at MCS7 HT40 -64dBm at MCS7
Modulation schemes	 802.11b: DQPSK, DBPSK, DSSS, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM

Physical Parameters	
Dimensions	· 182 x 119 x 39 mm (7.2 x 4.7 x 1.5 in)
Weight	· 280 g (0.6 lb)

Operating Environment	
Power	· Output: 12V DC, 1.25A
Temperature	 Operating: from 0 to 40 °C Storage: from -20 to 70 °C
Humidity	 Operating: from 10% to 90% (non-condensing) Storage: from 5% to 95% (non-condensing)

Delive	Delivery Package	
· · ·	Router DVG-N5402SP Power adapter DC 12V/1.25A Ethernet cable (CAT 5E) RJ-11 telephone cable	
•	"Quick Installation Guide" (brochure)	



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Supported USB modems ³	
GSM	 Alcatel X500 D-Link DWM-152C1 D-Link DWM-156A6 D-Link DWM-156A7 D-Link DWM-156C1 D-Link DWM-157B1 D-Link DWM-157B1 (Velcom) D-Link DWM-158D1 Huawei E150 Huawei E1550 Huawei E156G Huawei E169G Huawei E171 (Megafon) Huawei E352 (Megafon) Huawei E352 (Megafon) Huawei E352 (Megafon) ZTE MF112 ZTE MF626 ZTE MF627 ZTE MF627 ZTE MF667 ZTE MF668 ZTE MF752
CDMA	 Airplus MCD-650 Airplus MCD-800 AnyDATA ADU-300A AnyDATA ADU-500A AnyDATA ADU-510A Huawei EC306 ZTE AC5710 ZTE AC5730
LTE	 Huawei E3272 Huawei E367 Huawei E392 Megafon M100-1 Megafon M100-3 Megafon M100-4 Megafon M150-1 MTS 824F Yota LU-150 Yota WLTUBA-107 ZTE MF823 ZTE MF827

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