WIRELESS 11N VoIP ADSL2+ MODEM ROUTER

INTERNET PHONE CONNECTION

FXS port to connect to an analog phone for Internet phone calls

HIGH-SPEED WIRELESS INTERNET

Built-in ADSL2+ modem with up to 24Mbps downstream, 1Mbps upstream speed and 802.11n WLAN with up to 300Mbps wireless speed

SECURE NETWORK SHARING

Firewall protection, user access control, QoS VoIP/streaming multimedia – all from a single device

EVERYTHING YOU NEED FOR A HOME

Get everything from the D-Link DVA-N3260B Wireless 11n VoIP ADSL2+ Modem Router. This all encompassing device includes an integrated high-speed ADSL2/2+ modem, a VoIP phone connection, and two Ethernet ports. This router provides all the functions that your home needs to establish a fast, secure Internet connection and to make and receive Internet calls.

FAST ADSL SPEED FOR CLEAR INTERNET TELEPHONY

The DVA-N3260B includes an FXS phone port, enabling users to make Internet phone calls. It provides ADSL2+ speeds of up to 24Mbps downstream and 1Mbps upstream, suitable for a clear and uninterrupted Internet telephony experience. It combines the industry's latest Voice over IP technology with advanced communication features, and is compatible with industry-wise phone services. With FXO lifeline, this router relays phone calls to PSTN automatically in case of a power outage, so your phone line will always be available.

FIREWALL PROTECTION & QoS

Security features prevent unauthorized access to the home and office network from Internet intruders. The router provides firewall security using Stateful Packet Inspection (SPI) and Denial of Service (DoS) attack protection. SPI inspects the content of all incoming packet headers before deciding what packets are allowed to pass through. Router access control is provided with packet filtering based on source/destination MAC/IP addresses. For Quality of Service (QoS), the router supports multiple priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows users to enjoy high ADSL transmission for applications such as VoIP, streaming multimedia and on-line games over the Internet.
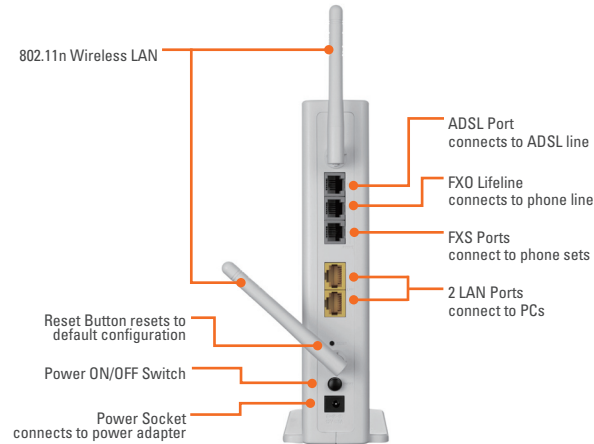
WHAT THIS PRODUCT DOES

This all-in-one DVA-N3260B router provides everything from a single box. Connect it to your phone line and establish a high-speed ADSL2+ line and make phone calls anywhere in the world using the Internet. This router lets you surf the web and make Internet phone calls at the same time.

HIGH-SPEED WIRELESS CONNECTION

The DVA-N3260B has ready ADSL connection with up to 24Mbps downstream and 1Mbps upstream. It also features a built-in 802.11n wireless interface. Watch TV, listen to live music and broadcast on the Internet, play games and experience clear VoIP phone calls.

CLEAR, SMOOTH VOICE OVER THE INTERNET

The DVA-N3260B incorporates a high-speed ADSL2+ modem and Quality of Service (QoS) especially tuned for VoIP traffic to ensure that voice received through the Internet is the same as or even surpasses that received on the ordinary phone. It supports many useful functions such as call transfer, caller ID display, call hold, and call waiting to make it convenient to dial out or answer phone calls.

802.11n Wireless LAN

ADSL Port
connects to ADSL line

FXO Lifeline
connects to phone line

FXS Ports
connect to phone sets

2 LAN Ports
connect to PCs

Reset Button resets to
default configuration

Power ON/OFF Switch

Power Socket
connects to power adapter

TECHNICAL SPECIFICATIONS

DEVICE INTERFACES
- 1 RJ-11 ADSL port (to phone line)
- 1 RJ-11 FXS port (to analog phone)
- 1 RJ-11 PSTN port (lifeline to phone line)
- 2 RJ-45 10/100BASE-TX Ethernet LAN port with auto MDI/MDIX (to computer)
- 802.11n WLAN (AP wireless connection to computers)
- Factory reset button
- Power ON/OFF switch

ADSL
STANDARDS
- ADSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A/C/I, ITU G.992.2 (G.lite) Annex A/C, ITU G.994.1 (G.hs)
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A/J/K/L/M, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A/L/M
- Auto-handshake: ITU G.994.1 (G.hs)

DATA RATES
- G.dmt: 8Mbps downstream, 832Kbps upstream
- G.lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

ATM & PPP PROTOCOLS
- ATM Adaptation Layer Type 5 (AAL5)
- Bridged and routed Ethernet encapsulation
- LLC encapsulation
- VC-based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)
- OAM F4/F5

VoIP
VoIP PROTOCOL SUPPORT
SIP (RFC 3261)

TELEPHONE FUNCTION SUPPORT
- DTMF dial tone signal support
- Caller ID support
- Call Holding
- Call Waiting
- Call Transfer
- Call Forwarding

AUDIO CODEC
- G.711
- G.723 (optional)
- G.726
- G.729A/B

ECHO CANCELLATION
G.168

FAX FUNCTION SUPPORT
- Transparent fax (G.711)
- T.30 Fax
- T.38 Real Time

VoIP NAT TRAVERSAL
SIP

WIRELESS LAN
STANDARDS
- 802.11n
- 802.11g
- 802.11b

DATA RATES
- For 802.11n:
  up to 300Mbps
- For 802.11g:
  54, 48, 36, 24, 18, 12, 9 and 6Mbps
- For 802.11b:
  11, 5.5, 2 and 1Mbps

WIRELESS FREQUENCY RANGE
2.4GHz to 2.4845GHz

OUTPUT POWER
- 802.11n: 13.5 to 16.5 dBm
- 802.11g: 13.5 to 16.5 dBm
- 802.11b: 16.5 to 18.5 dBm

DATA MODULATION
- 802.11n: PSK/CCK, DPBSK, DQPSK, OFDM, etc.
- 802.11g: OFDM, BPSK, QPSK, 16QAM, 64QAM
- 802.11b: CCK (11&5.5 Mbps), DQPSK (2Mbps), DBPSK (1Mbps)

TRANSMISSION TECHNOLOGY
DSSS

ROUTER
NETWORK PROTOCOLS & FEATURES
- NAT/NAPT (RFC 1631)
- RIP v1 (RFC 1058)
- RIP v2 (RFC 1389)
- Static Routing
- DNS
- TCP/UDP
- ARP/RARP (RFC 826)
- ICMP (RFC 791)
- DHCP Server/Client (RFC 2131)
- UPnP Compliant
- Virtual Server/Port Forwarding
- DMZ
- SNTP

BROADBAND

FIREWALL / ACCESS SECURITY
- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attack prevention
- Packet filtering based on source IP address, destination IP address, MAC address (ICMP/TCP/UDP)
- URL content filtering (keyword filtering)
- Intrusion detection system with log
- User Authentication PAP (RFC 1334)
- User Authentication CHAP (RFC 1994)
- DMZ mode

VIRTUAL PRIVATE NETWORK (VPN)
PPTP/L2TP/IPSec pass-through

QOS
- ATM QoS
- 802.1Q VLAN Tagging
- 802.1p Priority Queues (4 queues per PVC)
- Diffserv
- Packet classification (IP/MAC)
- IP TOS

CONFIGURATION / MANAGEMENT
- Web-based GUI for remote/local management
- Firmware upgrade, configuration data upload/download via Web-based GUI
- Telnet server for remote/local management
- Syslog monitoring
- SN MP v.1, v.2c support with built-in MIB-I & MIB-II (RFC 1213)
- TR-100

DIAGNOSTIC LEDS
- Internet
- DSL
- Line
- VoIP
- WLAN
- LAN
- Power

PHYSICAL & ENVIRONMENTAL
POWER
- Input: 100-120VAC, 50/60Hz
- Output: DC 12V/1A
- Dying Gasp support (optional)

DIMENSIONS
121 x 32 x 201 mm (4.8" x 1.3" x 7.9")

OPERATING TEMPERATURE
0° to 40°C (32° to 104° F)
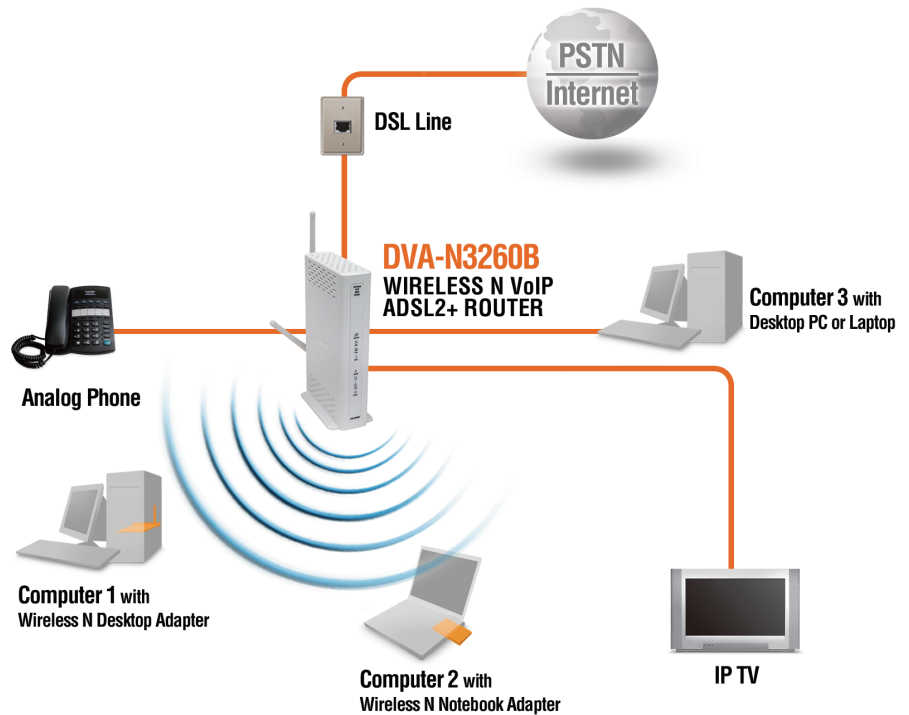
STORAGE TEMPERATURE
-20° to 70°C (-4° to 149° F)

OPERATING HUMIDITY
5% to 95% non-condensing

EMISSION (EMI)
- FCC Part 15 Class B
- CE Class B

YOUR NETWORK SETUP

BROADBAND