NETGEAR®
Connect with Innovation™

ADSL2+ Voice Gateway with 802.11n Wireless, four 10/100 Ports, USB2.0 Host and two Voice lines

DVG834N Product Family   Data Sheet

Wireless or Wired Instant Broadband Access with Internet Sharing

This 802.11n wireless gateway/router adds considerable power and flexibility to your network. Seven products in one, it combines an ADSL2+ modem, router, four 10/100 LAN RJ45 ports, 802.11n access point, SPI double firewall, USB2.0 Host, ~~DECT Radio~~ and VoIP. It gives you untethered continuous connectivity to your network resources, the Internet, Voice and IPTV. Featuring real time QoS and 802.11n wireless, it allows you to download large files, videoconference, and distribute and play high-definition digital movies, photos, and MP3s in the blink of an eye. Simple to use, it plugs directly into your ADSL2+ line. The integrated voice features let you use it with DECT and analog telephones. Setup couldn't be easier—NETGEAR's Smart Wizard install assistant and on-screen help guide you through each step. The Smart Wizard automatically detects and makes the best connection to your ISP. The double firewall protects your network against intruders, including logs and alerts of break-in attempts, while VPN pass-through makes it safe to connect to your business network from home. The contemporary design of this Gateway suits your home or office.

Faster than Ever

The DVG834N gives you instant connectivity with or without wires, and works with your existing 802.11n/g devices. A built-in ADSL2+ modem provides direct, always-on Internet connectivity and multi-user access sharing at downstream speeds of up to 24 Mbps with up to 3.5 Mbps upstream speeds. This powerful router distributes real time MP3s, digital movies and VoIP in addition to data traffic including Web browsing, Network Storage access, graphics and photos and shares a single IP address with up to 253 users.

Hassle Free

No need for a separate modem—this connects directly into your ADSL2+ line. Built-in port forwarding settings, Universal Plug and Play (UPnP™) and virtual private network (VPN) pass-through make it simple to play Internet games, stream or download video, make phone calls and host Internet services. It supports PCs, Apple Computers, and virtually all Ethernet devices. It comes with an Ethernet cable for connecting your first computer.
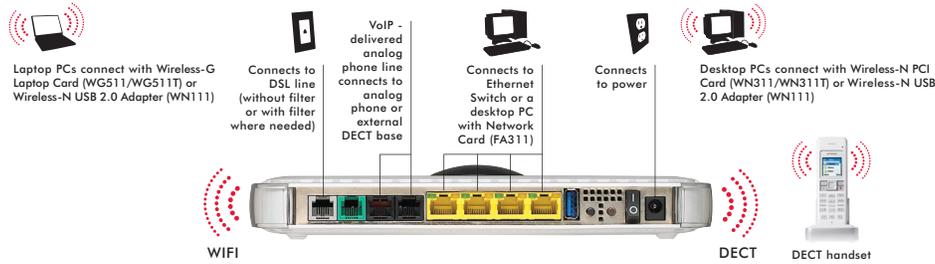
Secure

Double firewall using Stateful Packet Inspection (SPI) and intrusion control features Denial of Service protection from hacker attacks, while VPN (Virtual Private Network) pass-through permits secure access to your office or corporate network and enables you to host VPN services. It also logs browsing activities and provides optional email alerts so you can monitor access. DMZ support allows unrestricted access from the Internet to one computer (for hosting web services).

Attached Storage

Models with the USB 2.0 Host include the SAMBA Storage management agent, which enables attached computers to have "Mapped Drive" access to the USB-attached storage. This delivers extremely low cost Network Storage and Backup for consumers.

24/7
TECHNICAL SUPPORT*

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WiFi®
CERTIFIED

Laptop PCs connect with Wireless-G Laptop Card (WG511/WG511T) or Wireless-N USB 2.0 Adapter (WN111)

Connects to DSL line (without filter or with filter where needed)

VoIP - delivered analog phone line connects to analog phone or external DECT base

Connects to Ethernet Switch or a desktop PC with Network Card (FA311)

Connects to power

Desktop PCs connect with Wireless-N PCI Card (WN311/WN311T) or Wireless-N USB 2.0 Adapter (WN111)

WIFI   DECT   DECT handset

System Requirements

– ADSL2/2+ Internet service
– 2.4 GHz 802.11n WiFi adapter or Ethernet adapter and cable for each computer
– Microsoft Windows Vista, XP, 2000, and other operating systems running a TCP/IP network, Microsoft® Internet Explorer 5.0 or higher, VISTA Compliant

Physical Interfaces

– LAN: Four 10/100 Mbps auto-sensing MDIX, Auto Uplink™ RJ-45 ports
– WAN Port: ADSL2+ Annex A, B, M or L
– Wireless: 802.11n in the 2.4 GHz band access point auto rate capable up to 270 Mbps (using internal RaySpan antennas)
– USB 2.0 Host
– FXS for analog phones (2 lines)
– DECT Radio (1880-1900 MHz or 1920-1930 MHz)

Security

– Intrusion logging and reporting
– DoS Detection
– Parental Controls & Domain Filtering
– VPN NAT traversal (VPN pass-through) for IPSec, PPTP and L2TP VPNs
– Mode of operation: Port and Network Address Translation (NAT), static routing
– IP Address Assignment: Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN

VoIP Voice Features

– Call hold, transfer, forwarding, return, conference, redial, Caller ID
– Codecs: G.711, G723.1, G.726, G729a
– G.168 Echo Cancellation
– Multiple SIPID, T.38 Fax relay, Voice mail

DECT Features

– CAT-iq, GAP
– 2 voice channels - Up to 6 handsets

Power

– Adapter: 12V DC, 2.0A
– ON/OFF Power Switch
– Input Power: 24W

Physical Specifications

– Dimensions: 223 x 153 x 31 mm (8.8 x 6.0 x 1.2 in)
– Weight: 0.5 kg (1.06 lb)

Environmental Specifications

– Operating temperature: 0° to 40° C
– Operating humidity: 90% maximum relative humidity, non-condensing

Warranty

– US: NETGEAR 1-year warranty
– Rest of world: 2-year warranty

Package Contents

– ADSL2+ Gateway
– Power adapter, Ethernet cable, Phone cable, Vertical stand, Setup CD

Compliances

– CE, UL, FCC 15, A-TICK, C-TICK, WiFi

DSL Forum Compliant

– TR-059, TR-068, TR-069, TR-104, TR-106, TR-111 Part 1

Network Management

– Remote Web Management, UPNP
– Smart Setup Wizard

LEDs (TR-068 Compliant)

– Internet, Power, USB
– LAN active (1 for all 4 LAN ports)
– ADSL Down / Upstream active (1 LED)
– Four VoIP channel active LEDs
– FXO (transfer status)
– DECT handset, WiFi Active
– WiFi RF Active

Application Layer

Routing / Switching

– DHCP, DNS (proxy & dynamic)
– TFTP (for VoIP configuration data)
– HTTP, IRC, NNTP, NTP, RTP, RTSP
– Selectable RFC 3263 DNS server
– SMTP, TELNET

VoIP Call Control

– SIP for VoIP, SRTP for SIP (RFC3411)
– TLS for SIP (RFC2246)

SAMBA File Server

– Manages USB attached Storage
– Allows USB Storage to be a Mapped
– Print Server

Transport Layer

– ECN, TCP, UDP

Network/Internet Layer

– ARP, Disable, Enable NAT/PAT
– IGMP & IGMP Snooping, IP (IPv4), IP Fragmentation & Reassembly, IPoE, IP QoS, IPSec Pass-Through, NAT/PAT, RARP, Static Routing

WIFI

– 802.1x, Disable SSID broadcast
– MAC address Access Control
– Multiple SSIDs, WEP 64/128 bit
– WMM-QoS, WPA, WPA-PSK, WPA2, WPA2-PSK, WPS with pin & pushbutton

DVG834N Product Family Summary

Model	DSL Annex(s)	USB Port	FXO Port	DECT Radio
DVG834N	A,L,M	No	No	No
DVG834NB	B,L,M	No	No	No
DVG834NU	A,L,M	Yes	No	No
DVG834NBU	B,L,M	Yes	No	No
DVG834NUD	A,L,M	Yes	Yes	Yes
DVG834NUDB	B,L,M	Yes	Yes	Yes

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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

**Actual performance may vary due to operating conditions