

An "All-In-one" Cable Voice Gateway for Your Networking Solution



One Integrated Device is All You Need! Voice and Wireless Data Networking Converge.

NETGEAR's innovative CVG834G Wireless Cable Voice Gateway opens the door to a wide variety of new services. Combining NETGEAR's field-proven wireless cable modem router with PacketCable™ VoIP (Voice over Internet Protocol) technology, this device delivers all the capabilities of EuroDOCSIS 2.0 cable modem, 2-port voice terminal adapter, 802.11g wireless access point, firewall, router, and 4-port Ethernet switch with Plug-and-Play™ USB connectivity. Now customers can enjoy the broadest spectrum of multimedia, including IP telephony and complete network cable access with firewall protection for instant high-speed Web access, file sharing, multimedia conferencing, video streaming, interactive gaming, and MP3 downloading – all without the need for an external modem.

Ideal for VoIP, CVG834G turns your broadband line into a phone to save money on your calls. The state-of-the-art filtering and controls with double firewall (SPI + NAT) protection secure your computers and networks from intruders and hackers. And with the NETGEAR name, you can rest assured that this device is engineered for trouble-free, long-running reliability.

"All-in-one" Device

CVG834G reduces the clutter of multiple networking devices and the jumble of wires. The integration of devices reduces difficulty in setting up and getting different devices to work together and simplifies control and management of your network environment. Simple, neat, and attractive, you will be proud to showcase the CVG834G as the centerpiece in your network.

Capability Packed

The integrated modem is EuroDOCSIS 2.0 certified for improved upstream bandwidth utilization and noise immunity, while the two voice ports are Euro PacketCable 1.0 certified, Euro PacketCable 1.5 compliant and support to SIP protocol. Four 10/100 Ethernet ports support up to 253 networked computers, the USB port supports plug-and-play connectivity, and the 54 Mbps 802.11g access point with support to WMM and mSSID (multiple SSIDs).

Secure and Private

URL content filtering and time-of-day usage limits give parents and administrators ultimate control over user access. E-mailed reports of browsing activities and optional real-time e-mail alerts provide further input on user activity. NAT (Network Address Translation) Firewall with VPN (virtual private network) pass-through protects against Internet attacks, and auto-partitioning on each port protects each installed computer from damaged network connections.

Simple and Convenient

Designed to be simple to set up and use, CVG834G comes with an Install Assistant that provides guidance every step of the way. Lighted status icons make it easy to monitor network activity. And making calls is easy too. Just plug in a regular phone, sign up for VoIP phone service, and start calling. There is no additional equipment to buy. It's that easy!





Laptop PCs connect with wireless laptop card (WG511) or Wireless-G USB Adapter (WG111)



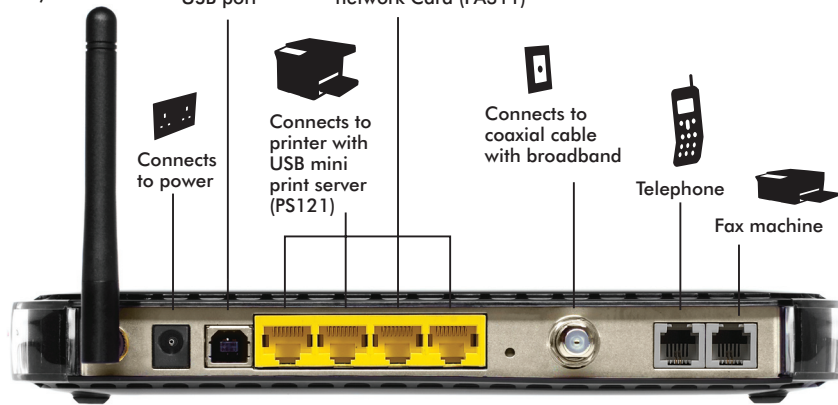
Connect to USB port



Connects to desktop PC with network Card (FA311)



Desktop PCs connect with Wireless-G PCI Card (WG311) or Wireless-G USB Adapter (WG111)



Product Specifications

• System Requirements

- Broadband DOCSIS cable service
- 2.4 GHz wireless adapter or Ethernet adapter and cable for each computer
- Microsoft® Windows® Vista™, XP, 2000, Me and other operating system running a TCP/IP network
- Internet Explorer 5.0 or higher

• Routing Protocol

- Static & dynamic routing with TCP/IP, VPN passthrough (IPsec, PPTP), NAT, UDP, DNS, DHCP (client & server)

• Interface Specifications

- Voice port: Two (2) voice over Internet protocol ports using PacketCable standard and SIP
- LAN ports: Four (4) 10/100 Mbps auto-sensing, Auto Uplink™ RJ-45 ports, USB port, 802.11g wireless
- WAN ports: External "F" type cable connector

• Antenna

- 2 dBi antenna

• Lighted Status Icons

- Power, cable link, upstream traffic, downstream traffic, wireless, Ethernet (1 through 4), voice (1 through 2)

• Security Features

- Firewall: Stateful packet inspection (SPI), intrusion logging and reporting, denial-of-service (DoS) protection
- VPN functionality: VPN pass-through (IPsec, PPTP)
- Wireless security: WPA-PSK, WPA2-PSK, WEP

• VoIP Features

- Caller ID, DTMF generation/detection, echo cancellation, T.38 Fax
- Silence suppression and voice activity detection
- Acoustic echo suppression
- NCP (network call signaling)
- RTP (real time protocol)
- Supports 3, 7, 10 and 11 digit dialing
- Supports* codes

• Voice Codec Support

- PCMU (G.711 Mulaw), PCMA (G.711 Alaw)
- G.72616, G.72624, G.72632, G.72640, G.728, BV16, G.723.15.3, G.723.16.3, G.729 A, G.729, G.729 E

• Management Features

- Local administration interface: Web graphic user interface with protected user name and password Wireless Cable Voice Gateway
- SNMP manageable
- Available SysLog

• Physical Specifications

- Dimensions (h x w x d): 31 x 223 x 153 mm (1.2 x 8.8 x 6.0 in)
- Weight 0.47 kg (1.0 lb)

• Environmental Specifications:

- Operating temperature: 32° to 104° F (0° to 40° C)
- Operating humidity: 90% maximum relative humidity, non-condensing

Package Contents

- Wireless Cable Voice Gateway (CVG834G)
- Power adapter
- Ethernet cable
- USB cable
- Resource CD



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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.

†Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput. Some features may vary with customer/MSO specific model.