



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 CVG824GI Wireless Cable Voice Gateway with integrated battery backup 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 DOCSIS 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, CVG824GI 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

The CVG824GI 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 CVG824GI as the centerpiece in your network.

Capability Packed

The integrated modem is DOCSIS 2.0 certified for improved upstream bandwidth utilization and noise immunity, while the two voice ports are PacketCable 1.0 certified, PacketCable 1.5 compliant and support 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 for WMM and mSSID (multiple SSIDs).

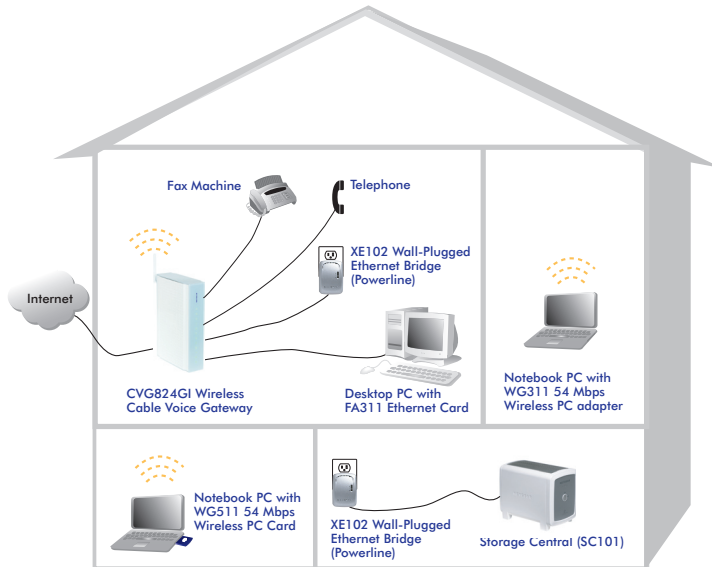
Secure and Private

Touchless WiFi Security delivers a simple secure way to add wireless connections to your network at a great value. The CVG824GI features double firewall protection to help shield the network from intrusions with two security methods. URL content filtering and time-of-day usage limits give parents and administrators ultimate control over user access.

Simple and Convenient

Designed to be simple to set up and use, CVG824GI comes with an Install Assistant that provides guidance every step of the way. Lighted status icons make it easy to monitor network and telephone line 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!





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 (one Cat 5 UTP cable included), one (1) 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) VPN pass-through (IPsec, PPTP)
- Mode of operation: Network Address Translation (NAT), static routing
- Wireless security: WPS, 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, iLBC

• Management Features

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

• Functions

- Port range forwarding, port blocking, exposed host (DMZ), DNS proxy, URL content filtering, email alerts, port triggering

• Physical Specifications

- Dimensions (H x W x D): 254 x 63.5 x 164 mm (10 x 2.4 x 6.7 in)
- Weight: 1.3 kg (2.88 lb) including batteries

• 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 (CVG824GI)
- Power cord
- Ethernet cable
- USB cable
- Resource CD
- Batteries (4 or 8 Hour option)

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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.