

Pre-DOCSIS 3.0 Cable Voice Gateway from the Award winning product family



The CBVG834N Pre-DOCSIS 3.0 Wireless Cable Voice Gateway enables service providers to offer unprecedented speeds on an HFC network. The cost-effective CBVG834N bonds three downstream channels together to deliver data rates of up to 100 Mbps and also provides voice and high-speed 11n wireless connectivity. The CBVG834N is fully compliant with DOCSIS 2.0/EuroDOCSIS 2.0. NETGEAR has conducted extensive interoperability testing of the CBVG834N against industry-leading channel bonding cable modem termination systems. The CBVG834N is future-proofed with support for IPv6.

With the CBVG834N, MSO's now have a cost-effective, competitive weapon to combat the ADSL2+, VDSL and Fiber deployments from the telcos.

"All-in-one" Device

All-in-one, the CBVG834N 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 CBVG834N as the centerpiece in your network.

Capability-packed

Integrated channel bonding provides data rates of up to 100 Mbps, while the two voice ports are PacketCable/EuroPacketCable 1.0 and PacketCable/EuroPacketCable 1.5 compliant. The CBVG834N support up to 253 networked computers, and includes multicast traffic. Wireless connectivity provides service to 802.11n,g or b devices and also provides multiple SSID support and WMM (wireless multimedia).

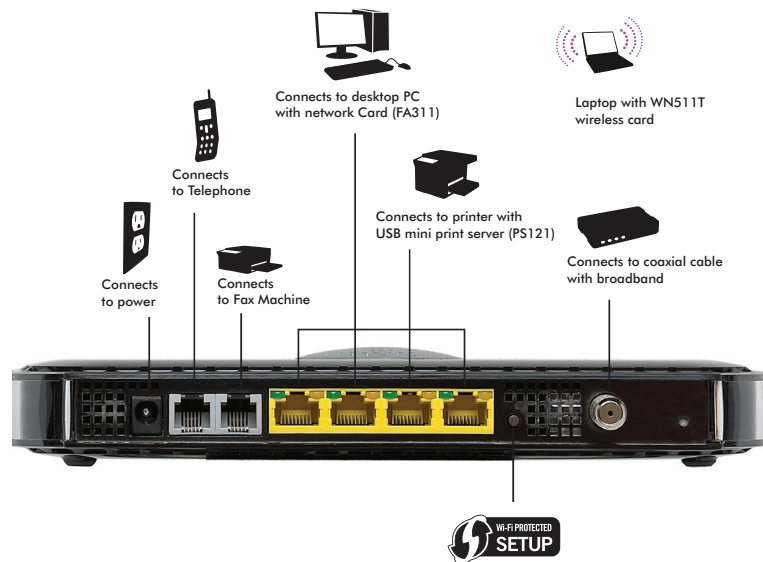
Secure and Private

URL content filtering and time-of-day usage limits give parents and administrators ultimate control over user access. Emailed reports of browsing activities and optional real-time email 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

NETGEAR's Push 'N Connect™ WiFi Protected Setup makes wireless security configuration easier than ever. 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!





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)

• Electromagnetic Compliance

- FCC

• Interface Specifications

- Voice port: Two (2) voice over Internet protocol ports using PacketCable standard and SIP (Session Initiation protocol)
- LAN ports: Four (4) 10/100 Mbps auto-sensing, Auto Uplink™ RJ-45 ports, , IEEE 802.11n (draft version) WiFi radio
- WAN port: External 'F' type connector

• Performance Specifications

- Three downstream and one upstream
- Advanced QAM transmitter
- Combined RF receivers with advanced QAM and S-CDMA demodulators
- QoS enhancement

• Antenna

- Multiple internal antennas

• Lighted Status Icons

- Power, cable link, upstream traffic, downstream traffic (1 through 3), 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
- Wireless security: WPA-PSK, WPA2 PSK, WEP, WPS "Push 'N Connect"

• 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
- 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 0.5 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

- Pre-DOCSIS 3.0 Wireless N Cable Voice Gateway (CBVG834N)
- Power adapter
- Ethernet 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.