NETGEAR®
Connect with Innovation ™

GigE WAN Voice Gateway with 802.11n Wireless, 4-port 10/100/1000 LAN and DECT
EVG2000 Product Family
Data Sheet

GigE Broadband Access

Push 'N' Connect

This Gigabit Ethernet WAN wireless gateway delivers triple play services, power and flexibility to your customers. Seven products in one, it combines a GigE WAN, router, GigE LAN switch, 802.11n access point with NETGEAR Push 'N Connect WiFi Protected setup, SPI double firewall, VoIP & optional DECT. It gives you untethered continuous connectivity to your network resources, the Internet, Voice and IPTV, with bidirectional throughput between LAN and WAN exceeding 300Mbps. Featuring real time QoS and high-speed 802.11n wireless capability—up to five times faster than 802.11g—it allows your customers to stream HD video, 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 Ethernet, a VDSL2 modem, DOCSIS Modem, or a Fiber ONT.

Features

- LAN: Four 10/100/1000 autosensing MDIX Ports
- WAN Port: 10/100/1000 Ethernet
- Wireless: 802.11n in the 2.4 GHz band
- QoS for high performance Media Streaming & Gaming
- USB 2.0 Host: 2 ports for SAMBA File Service to USB Memory or Hard Drives
- 2.4GHz DECT Radio (Optional, 2 Channels)
- FXS: 2 lines for analog phones

Faster than Ever

The EVG2000 product family gives you instant connectivity with or without wires, and works with your existing 802.11g/b devices as well as your new 802.11n devices. 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 with fast 10/100/1000 switched LAN ports, and shares a single IP address with up to 253 users.
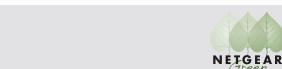
Hassle Free

Services may be enjoyed in an all - wireless mode with 802.11n WiFi to PCs and Mobile phones as well as DECT to handsets from the internal DECT base unit. 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.
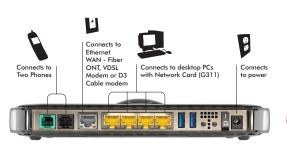
Secure

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. Content filtering lets you control access to your list of web sites and limit usage by time of day. 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).

24/7 TECHNICAL SUPPORT*

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 rate.

NETGEAR *Green*

Wi-Fi PROTECTED SETUP

DECT handset

Connects to Two Phones

Connects to Ethernet WAN - Fiber ONT, VDSL Modem or D3 Cable modem

Connects to desktop PCs with Network Card (G311)

Connects to power

Laptop PCs connect with Wireless-N or G Laptop Card (WN511T/WG511T) or Wireless-N or G USB 2.0 Adapter (WN111 or WG111)

Desktop PCs connect with Wireless-N or G PCI Card (WN311/WG311T) or Wireless-N or G USB 2.0 Adapter (WN111 or WG111)

System Requirements
– 2.4 GHz 802.11n WiFi adapter or Ethernet adapter and cable for each computer
– Microsoft Windows 7, Vista, XP, 2000, and other operating systems running a TCP/IP network
– Microsoft® Internet Explorer 5.0 or higher

Physical Interfaces
– LAN Ports: Four 10/100/1000 auto-sensing MDIX, Auto Uplink™ RJ-45 ports
– WAN Port: 10/100/1000 Ethernet
– Wireless: 802.11n in the 2.4 GHz band
– USB 2.0 Host (2 ports) for SAMBA File Service to USB memory or hard drives
– 2.4GHz DECT Radio (Optional, 6 Channels)
– FXS for analog phones (2 lines)

Security
– Intrusion logging and reporting
– 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
– Caller ID
– Call hold, transfer, forwarding, return, conference, redial
– Speed dial, anonymous call
– Codecs: G.711, G723.1, G.726, G729a, G.722, G.168
– Tone Detect/Generate t
– Adaptive jitter buffer, VAD, silence suppression
– NOTIFY for voice mail
– G.711 fax pass through
– Conference call with PSTN

Power
– Adapter: 12V DC, either 1.5A or 2.5A (w/ DECT RF); plug is localized to country of sale
– ON/OFF Power Switch
– Input Power: 18 or 24W (w/ DECT RF)

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: NETGEAR 2-year warranty

Package Contents
– GigE Gateway
– Power adapter
– Ethernet cable
– Phone cable
– Vertical stand
– Setup CD

Compliances
– CE

Broadband Forum Compliant
– TR068, TR069
– TR-104, TR-106, TR-111 Part 1

Network Management
– Setup: LAN, DNS, Static Routes
– Remote Web Management
– Smart Setup Wizard
– Scheduling tasks by time of day
– TR-069: 325 Objects (SP models)

LEDs (TR-068 Compliant)
– Power, Internet
– USB, Wireless
– LAN Activity, DECT, VoIP channel active

Application Layer

Routing / Switching
– DHCP, DNS (proxy & dynamic)
– FTP, HTTP, IPCP, IRC
– NNTP, NTP, RTP, RTSP
– SMTP, SNMP, TELNET

Transport Layer
– DCCP, ECN
– RSVP, SCTP, TCP, UDP

Network/Internet Layer
– ARP, BGP, Disabel.Enable NAT/PAT
– ICMP, ICMPv6, IGMP V3/V3
– IP (IPv4, IPv6), IP Fragmentation and Reassembly, IPoE,IPSec Pass-Through, IS-IS
– NAT/PAT, OSPF, RARP, RIP V1, V2, Static Routing

Data Link Layer
– Bridging, PPPoE (Client), PPTP Port Forwarding, VLAN

WiFi
– 802.1x
– Multiple SSIDs
– WEP 64/128 bit
– WMM-QoS
– WPA2, WPA2-PSK
– WPS with pin & pushbutton

EVG834 Product Model Summary

Model	DECT
EVG2000	N
EVG2000D	Y

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