

DOCSIS / EuroDOCSIS® 2.0 802.11n Wireless Internet Gateway



For complete high-speed wireless networking, this combination DOCSIS 2.0 or EuroDOCSIS 2.0 cable modem, 802.11n wireless access point with NETGEAR Push 'N' Connect™ WiFi Protected Setup, wireless router, and 4-port switch with plug-and-play™ USB connectivity does it all. It supplies complete network cable access with firewall protection so that Service Providers can supply their home users with instant high-speed Web access, file sharing, video streaming, head-to-head Internet game-playing, and MP3 downloading with no external modem required. This highly capable wireless, Ethernet, USB Internet gateway provides state-of-the-art filtering and controls allowing parents and administrators to limit URL access and monitor Internet activities. The sleekly designed exterior complements home and office environments. And since it's made by NETGEAR, you can rest assured this product is engineered for trouble-free, long-running reliability.

**Wireless Flexibility**

Provides high-speed wireless service in addition to wired LAN. This high performance Gateway offers extended WiFi range with multiple internal antennas, added noise immunity, packet acceleration, Multiple SSIDs, Wireless Multimedia (WMM) QoS and WPS. The built-in 802.11n wireless access point supports up to 300 Mbps without any new cabling.

**Completely Equipped**

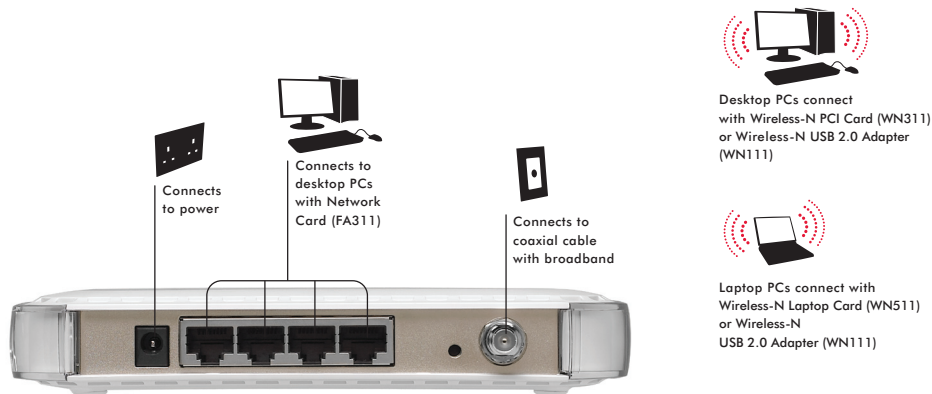
Four 10/100 Ethernet ports support up to 253 networked computers. Auto-partitioning on each port protects each installed computer from damaged network connections. The integrated modem is DOCSIS / EuroDOCSIS™ 2.0 based for improved bandwidth utilization and noise immunity.

**Safe and Secure**

Double firewall with stateful packet inspection (SPI) and NAT (Network Address Translation) secures your network against hackers. NAT 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. 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. NETGEAR's Push 'N' Connect™ WiFi Protected Setup makes wireless security configuration easier than ever.

**USB-Easy**

Simple for anyone to set up and use, even those without networking experience. A USB port provides simple plug-and-play connectivity. Lighted status icons make it easy to monitor network activity.



1-888-NETGEAR (638-4327)  
Email: info@NETGEAR.com



## Technical 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 pass-through (IPsec, PPTP), NAT, UDP, DNS, DHCP (client & server)
- WMM - QoS
- WMM - UAPSD

### • Electromagnetic Compliance

- FCC

### • Interface Specifications

- LAN ports: Four (4) 10/100 Mbps auto-sensing, Auto Uplink™ RJ-45 ports (one Cat 5 UTP cable included), one (1) USB port, 802.11n wireless
- WAN port: External "F" type cable connector

### • Lighted Status Icons

- Power, test, cable link, downstream traffic, upstream traffic, wireless, Ethernet (1 through 4), USB

### • Security Features

- Firewall: Stateful packet inspection (SPI), intrusion logging and reporting, denial-of-service (DoS) protection
- VPN functionality: VPN pass-through (IPsec, PPTP)
- Mode of operation: Network Address Translation (NAT), static routing
- IP address assignment: Static IP address assignment, internal DHCP server on LAN
- Wireless security: WPA-PSK, WPA2-PSK, WEP 64-bit, WEP 128-bit, WPA-Enterprise
- WiFi Protected Setup (WPS) with Pushbutton

### • Management Features

- Local administration interface: Web graphic user interface with protected user name and password

### • Protocol Support

- Network: IP routing, TCP/IP, UDP, ICMP
- IP Addressing: DHCP (client and server)
- VPN/security: IPsec, PPTP pass-through

### • User Support

- Wireless LAN: Up to 32 users
- Wired LAN: Up to 253 users

### • RFC Support

- IPsec tunnel mode (RFC 2401) (pass through mode), IP v.4
- DHCP server (RFC 2131)
- DHCP client (RFC 2131)
- TFTP client (RFC 1350)
- NAT (many-to-one) (RFC 1631)
- IP control Protocol (RFC 1332)

### • Application Support

- Works with most Internet applications including: QUAKE®, Half-Life®, StarCraft®, Unreal Tournament®, ICQ®, AOL® Instant Messenger™, Microsoft Messenger®, NetMeeting®, RealPlayer®, Windows Media® Player, Net2Phone®, Dialpad®, Xbox®

### • Functions

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

### • Physical Specifications

- Dimensions (h x w x d): 33 x 159 x 215 mm (1.3 x 6.3 x 8.5 in)
- Weight: 0.31 kg (0.68 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 Modem Gateway (CGD24N or CGE24N)
- Resource CD
- Power adapter
- Ethernet cable
- USB cable
- Installation guide
- Warranty/support information card



# NETGEAR®

350 East Plumeria Drive  
San Jose, CA 95134 USA  
1-888-NETGEAR (638-4327)  
E-mail: [info@NETGEAR.com](mailto:info@NETGEAR.com)  
[www.NETGEAR.com](http://www.NETGEAR.com)

© 2009 NETGEAR, Inc. NETGEAR, the NETGEAR Logo, NETGEAR Digital Entertainer Logo, Connect with Innovation, FrontView, IntelliFi, PowerShift, ProSafe, ProSecure, RAIDar, RAIDiator, RangeMax, ReadyNAS, Smart Wizard, X-RAID, and X-RAID2, are trademarks and/or registered trademarks of NETGEAR, Inc. and/or subsidiaries in the United States and/or other countries. Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Information is subject to change without notice. All rights reserved.

\*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 and wireless coverage will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate and wireless coverage. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.