DOCSIS® 2.0 802.11g Wireless Internet Gateway

For complete high-speed wireless networking, this combination DOCSIS 2.0 cable modem,802.11g wireless access point, 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 home users can enjoy instant high-speed Web access, file sharing, video streaming, head-to-head Internet game-playing, and MP3 downloading with no external modem required. The external antenna takes care of connectivity without any need for a PC card in the unit.

This highly capable 54 Mbps 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. And it's equipped with double firewall (SPI + NAT) protection to secure computers and networks against hackers. 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 immediate high-speed wireless flexibility. A built-in external antenna eliminates the need for a PC card, and the built-in 802.11g wireless access point extends a network to support up to 54 Mbps throughput without requiring any new cabling.
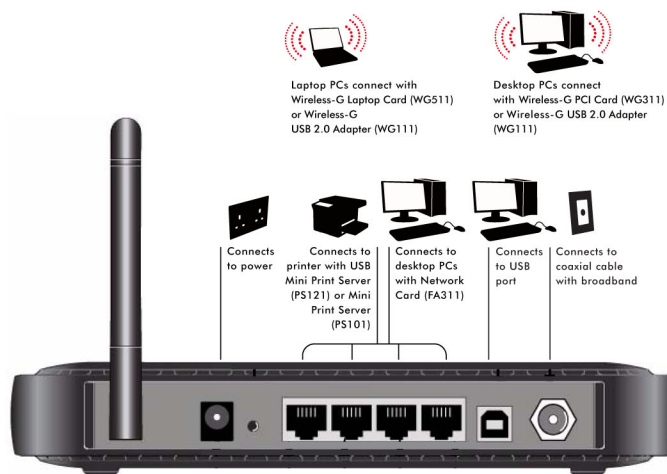
Completely Equipped

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™ 2.0 certified for improved upstream 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.

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.

Laptop PCs connect with Wireless-G Laptop Card (WG511) or Wireless-G USB 2.0 Adapter (WG111)

Desktop PCs connect with Wireless-G PCI Card (WG311) or Wireless-G USB 2.0 Adapter (WG111)

Connects to power

Connects to printer with USB Mini Print Server (PS121) or Mini Print Server (PS101)

Connects to desktop PCs with Network Card (FA311)

Connects to USB port

Connects to coaxial cable with broadband

24/7
TECHNICAL SUPPORT®

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, 802.11g wireless
– WAN ports: External "F" type cable connector

• Antenna
– 2 dBi antenna

• 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): 30 x 175 x 114 mm (1.2 x 6.9 x 4.5 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
– 54 Mbps Wireless Cable Modem Gateway (CGD24G)
– Resource CD
– Power adapter
– Ethernet cable
– USB cable
– Installation guide
– Warranty/support information card

NETGEAR®