

DOCSIS® 3.0 / EuroDOCSIS 3.0 Wireless-N Cable Gateway



Push
'N'
Connect

The NETGEAR CG3000/CG3100 DOCSIS 3.0, Wireless-N Gigabit Gateway delivers the ultimate in performance for home and small business networking. This Gateway offers both wired and wireless connections for blazing fast data transfers, VoIP, Real Time HD media streaming, gaming and maximum Internet bandwidth. Along with four Gigabit Ethernet ports enabling maximum wired speeds, this full featured high performance gateway is an ideal solution for the connected home or small business with multiple computers and network enabled devices running multiple applications at the same time.

On the DOCSIS 3.0 WAN side, with advanced support for four downstream channels, the CG3000/CG3100 Gateway enables you to deliver competitive high-speed services.

Features

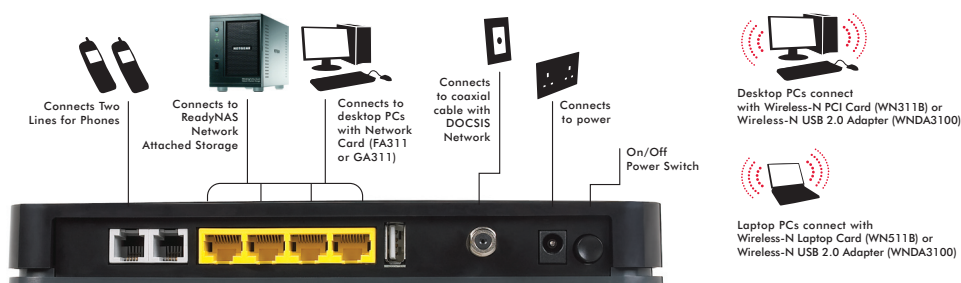
- 8 Downstream plus 4 Upstream Channel bonding on the WAN, delivering up to 400 Mbps
- Wireless-N delivers exceptional range and speed
- Four Gigabit Ethernet ports deliver ultra-fast wired network connections
- Analog Voice – 2 lines
- USB Host – 1 USB port
- Push 'N' Connect Wi-Fi Protected Setup™ (WPS) enables quick and secure connection to the network
- Easy setup
- Enterprise class WiFi security
- Dedicated Quality of Service for jitter-free video streaming, VoIP and lag-free gaming
- High-efficiency power amplifiers and multiple antennas enhance range and 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 extends a network to supports up to 300 Mbps without any new cabling.

Safe and Secure

Firewall with Stateful Packet Inspection (SPI) and Network Address Translation (NAT) 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.



Technical Specifications

• Physical Interfaces

- LAN: Four 10/100/1000 Mbps auto-sensing —MDIX, Auto Uplink™ RJ-45 ports
- WAN Port: Coax F Connector
- Wireless: 802.11n in the 2.4 GHz band - access point auto rate capable
- FXS for analog phones (2 lines)
- USB Host - 1 Port

• System Requirements

- 2.4 GHz wireless adapter or Ethernet adapter and cable for each computer
- DOCSIS/EuroDOCSIS 3.0 or earlier Internet service
- PacketCable / EuroPacketCable 1.5 or earlier or SIP VoIP signaling
- Microsoft® Internet Explorer 6.0 or higher
- Microsoft Windows Vista, XP, and other operating systems running a TCP/IP network
- VISTA Ready (32 bit)
- Windows 7, Linux, Apple

• Standards Compliance

- Standards Compliance: DOCSIS 3.0 (CG3000), EuroDOCSIS 3.0 (CG3100), and backward compatible with CMTS's based on: DOCSIS 2.0, EuroDOCSIS 2.0, DOCSIS 1.1

• Voice

PacketCable™ & EuroPacketCable™ 1.5 Voice Features:

- Caller ID, call hold, transfer, forwarding, return, conference, redial, speed dial, anonymous call, voicemail, power saving
- Codecs: AMR, BV-16, G.711, G.723.1, G.726, G.728 G.729a, G.722, G.168, iLBC, T.38 Fax relay

Signaling:

- MGCP & SIP

Networking Protocols

• Application Layer

- DHCP, DNS (Proxy & Dynamic), HTTP, RTP, Passes UPnP

• Transport Layer

- RSVP, TCP, UDPv4, UDPv6

• Network Layer

- ARP, ICMP, IGMP, IPv4, IPv6, IPv6 client/server/relay, IPv6CP, IP fragmentation and reassembly, NAT/PAT, RT QoS

• Data Link Layer

- Bridging, VPN Pass-through, Static Routing, Port Forwarding, 802.1d, Spanning tree

• Physical Layer

- Ethernet: 10BaseT/100BaseT/1000BaseT

• Management Specifications

- Advanced Settings: Wireless, Port Forwarding, Port Triggering
- Event Logs, Trusted User
- Maintenance: Status, Attached Devices, Backups, Set Password, Software Upgrades
- Network Time Protocol
- RF Interface IB
- Setup: LAN, DNS, Static Routes
- Syslog
- Telnet, TR-069, Web Management

• WiFi Features

- 802.1x
- Disable SSID broadcast
- Disable the WiFi Radio
- MAC address Access Control
- Multiple SSIDs
- Push 'N Connect WiFi Protected Setup™ with PIN or push button
- SID to SSID QoS mapping
- Turn WiFi on or off with software
- WEP 64/128 bit
- WMM-QoS & UAPSD
- WPA2, WPA2-PSK

• Security

- Firewall: Stateful packet inspection (SPI), intrusion logging and reporting
- DHCP client on WAN
- DMZ
- Domain & URL Filtering
- HTTPS
- IP Address Assignment: Static IP address assignment, internal DHCP server on LAN
- Mode of operation: Port and Network Address Translation (NAT), static routing
- NAT traversal (VPN pass-through) for IPSec, PPTP and L2TP VPNs
- Parental Control

• Physical Specifications

- Dimensions (h x w x d): 33 x 159 x 215 mm (1.3 x 6.3 x 8.5 in)
- Weight: .31 kg (.68 lb)

• Front Panel LEDs

- Cable upstream & downstream
- Internet & Power
- LAN 1,2,3 & 4, Voice 1 & 2
- WiFi, WPS

• Regulatory

- CE, FCC, UL, C-TICK & A-TICK

• Power

- Adapter: 12V DC, 2A; plug is localized to country of sale
- Input Power: 30W
- On/Off button

• Package Contents

- CG3000/CG3100
- Ethernet cable
- Power supply
- Vertical stand

• Product Family Summary

| Model | WAN | Voice |
|---------|------------|-----------|
| CG3000 | DOCSIS 3.0 | v1.5 |
| CG3000D | DOCSIS 3.0 | N |
| CG3100 | EuroD3.0 | Euro v1.5 |
| CG3100D | EuroD3.0 | N |