



Performance & Use



- 300+900 Mbps WiFi speed
- High-speed VDSL2/ADSL2+ modem built-in
- Works with all N150, N300, N600 and AC devices
- 4 Gigabit Ethernet ports

The NETGEAR Difference - D6220

- Beamforming+—Faster, more reliable connections
- ReadySHARE USB access—Wirelessly access & share USB hard drives
- Built-in VDSL2 modem
- High-speed connectivity for dual band WiFi devices like iPad® and iPhone®

Overview

The NETGEAR AC1200 WiFi High-Speed DSL Modem Router with dual band Gigabit is an incredibly fast modem router delivering AC1200 WiFi and Gigabit Ethernet speeds. This DSL modem router provides a fast VDSL2 modem and it also works with ADSL2+ connections. It offers extremely high performance in wireless coverage for large homes with 10 or more devices. With this AC1200 modem router you get 3x faster access than with similar 802.11n technology and more reliable streaming. It delivers the speed and reliability needed for applications such as smooth, lag-free, multiple HD video streaming, multi-player gaming, ultra-fast speed for a secure and reliable connection to the Internet. The AC1200 Modem Router also includes NETGEAR genie® home network manager for easy installation and home network management.

Compatible with AC WiFi devices and backward compatible with 802.11 a/b/g/n devices, this VDSL/ADSL modem router enables HD streaming throughout your home. With up to 300+900+ and simultaneous dual band WiFi technology, it avoids wireless interference, ensuring top WiFi speeds and reliable connections. In addition, Beamforming+ technology boosts speed, reliability and range of WiFi connections. These technologies also provide ultimate connectivity for dual band wireless devices like iPad® and iPhone®.

BEAMFORMING+



For more
reliable connections.

Beamforming+—For More Reliable Connections

- Focuses WiFi signals from the wireless router to WiFi devices like smartphones, tablets and laptops
- Automatic signal management checks with your device to keep WiFi signal at its optimal strength
- Designed for home environments to support multiple WiFi device connections for highest quality
- Extends WiFi coverage, reduces deadspots, and boosts signal strength



NETGEAR genie® Home Networking Simplified

- Home network manager
- Remote access to manage your network away from home
- Turbo Transfer—Share files between computers and Android® mobile devices via WiFi
- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®
- MyMedia®—Find and play media files in your network
- EZ Mobile Connect—Scan QR Code to connect to your home network
- For PC, Mac®, iPhone®, iPad®, & Android® devices
- Provides device-level enhanced parental controls

Speed

Speed makes HD video better. Speed makes online gaming awesome. Speed makes all your devices really go. And anyplace you need speed, with NETGEAR you got it. Extreme download speeds up to 300+900 Mbps†. Next-generation 11ac WiFi with dual band technology providing whole home coverage with Gigabit wired and wireless connection. Everything you need for a fast, fast, fast connected home.

Best WiFi Speed



AC1200—Up to 300+900 Mbps†



GIGABIT WIRED—Ideal for HD gaming & video



CABLE—Also connects to cable modem via Gigabit Ethernet WAN port



VDSL2 MODEM—Built-in VDSL2, also compatible with ADSL2+ connections

WiFi Range

Homes come in all shapes and sizes. The NETGEAR AC1200 WiFi High-Speed DSL Modem Router with additional high-power amplifiers provides WiFi connectivity throughout your home for all your Internet-enabled devices.

Best WiFi Range



BEST RANGE—Wireless coverage for large homes

Sharing

Relive memories and share them with others. Find photos, videos and music stored on a shared USB hard drive and enjoy them on your DLNA TV right from your couch. If it's secure and shared storage access you want, NETGEAR has easy ways to do it.

Share & stream your movies, music, photos



DLNA®—Find & play your media on DLNA TVs & game consoles



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drives

Reliable Connections

Stay connected—with your devices, your media, and your friends. Simultaneous Dual Band WiFi provides two separate WiFi networks—2.4GHz for legacy devices and 5GHz which is less interference-prone for media streaming. The advanced QoS technology provides higher priority for media streaming application for smoother HD video streaming and low-latency online gaming.

Enjoy high-performance connectivity throughout your home



SIMULTANEOUS DUAL BAND—Reduces WiFi interference & doubles bandwidth



BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections



ADVANCED QoS—Optimized for smooth HD streaming & gaming

Ease Of Use

NETGEAR makes it easy to do more with your digital devices. Manage your network with NETGEAR genie® App—a personal, icon-based dashboard that can control and monitor all your devices. Or, use Push 'N' Connect to add devices to your WiFi network with a push of a button. And the simple browser-based installation with no CD makes router installation easy using an iPad, tablet, smartphone, or computer.

Simple network management



EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers



NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network, anytime & from anywhere with remote access



PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)



WiFi & POWER ON/OFF—Convenient power savings

Security

Keep your Internet browsing experience safe and secure with the free parental controls. It allows you to limit access to certain web sites at certain times. For example, no social networking or gaming site access after dinner time. Guest networks create a completely separate WiFi network for your guests' devices, ensuring they do not have access to your home network or to the shared USB hard drive with all your personal data. Secure WiFi connections offer high level WPA/WPA2 security.

Safeguard your network



ENHANCED PARENTAL CONTROLS—Safer web surfing for all your connected devices. Use genie app to manage policy per device



GUEST NETWORK ACCESS—Separate & secure access for guests



SECURE WIFI CONNECTIONS—High level wireless security with WPA/WPA2

Applications

With the AC1200 WiFi High-Speed DSL Modem Router create a powerful home network for applications such as lag-free, multiple HD streaming, multi-player online gaming, ultra-fast, reliable connection to the Internet and a secure wireless connection.

Ideal Uses



EMAIL, CHAT, SURF, MUSIC, VIDEO—Enjoy a fast, reliable and secure wireless connection to the Internet



ONLINE GAMING—Optimized for multi-player gaming with no lags

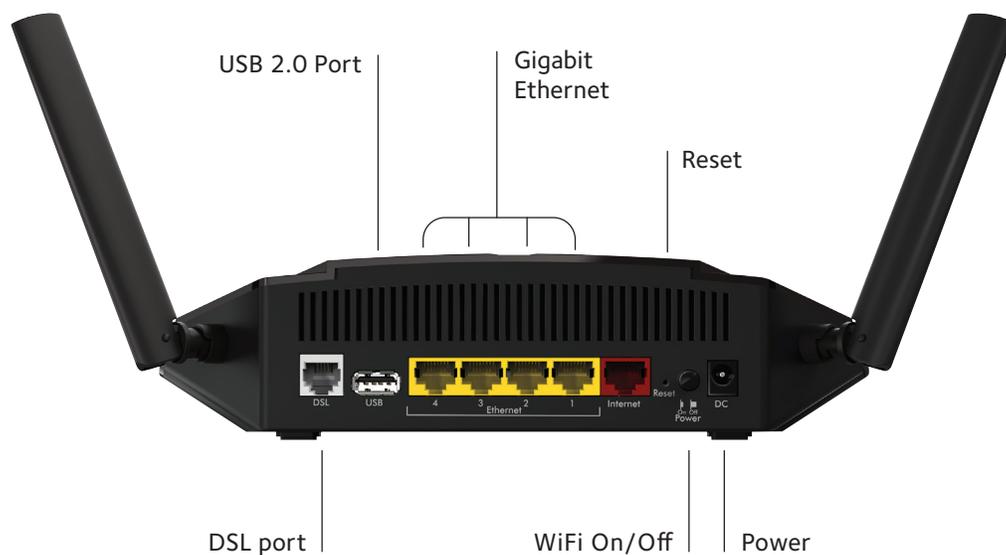


HD STREAMING—Enjoy high-quality HD streaming



MULTIPLE HD STREAMING—Optimized for a smooth, lag-free multiple HD streaming experience

Connection Diagram



PACKAGE CONTENTS

- AC1200 WiFi High-Speed DSL Modem Router (D6220)
- Ethernet cable
- Phone cable
- DSL phone filter
- Quick start guide
- Power adapter

PHYSICAL SPECIFICATIONS

- Dimensions: 240 x 182 x 41 mm (9.44 x 7.16 x 1.61 in)
- Weight: 341 g (0.75 lb)

WARRANTY

- www.netgear.com/about/warranty/

SUPPORT

- 24/7 basic technical phone support for 90 days from date of purchase

TECHNICAL SPECIFICATIONS

- AC1200 WiFi
 - Band 1: 300 Mbps @ 2.4GHz
 - Band 2: 900 Mbps @ 5GHz
- Simultaneous Dual Band WiFi
 - Tx/Rx 2x2 (2.4GHz) + 2x2 (5GHz)
 - IEEE® 802.11 b/g/n 2.4GHz
 - IEEE® 802.11 a/n/ac 5GHz
- High-speed VDSL2/ADSL2+ modem built-in
- Memory: 128 MB flash and 128 MB RAM
- WiFi Boost with high-power radio amplifiers
- Implicit & Explicit Beamforming+ for 5GHz band
- Advanced Quality of Service (QoS)
- IPv6 Support (Internet Protocol Version 6)

STANDARDS

- Five (5) 10/100/1000 Mbps Gigabit Ethernet ports
 - 1 WAN & 4 LAN with auto-sensing technology
 - 1 Gigabit Ethernet port can be used as WAN port to connect to cable modem
- One (1) DSL port
- One (1) USB 2.0 port

SYSTEM REQUIREMENTS

- Broadband Internet service
- VDSL2/ADSL2+ broadband Internet service, or
- Cable Internet service
 - Connects to cable modem via Gigabit Ethernet WAN port
- Microsoft® Windows® 7, 8, 10, Vista®, XP®, 2000, Mac® OS, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher
- Use laptop with 3x3 300 Mbps adapter like Centrino® 6300/5300 for maximum performance
- Use with an 802.11ac adapter like NETGEAR A6210 for maximum performance

SECURITY

- WiFi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT firewall)
- Denial-of-service (DoS) attack prevention



This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

*24/7 basic technical phone support provided for 90 days from purchase date.

†Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and may be lowered by network and environmental conditions, including network traffic volume and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards.

*Compatible with 802.11n and 802.11ac WiFi devices.

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