

AC1200 WiFi Modem Router

Essentials Edition

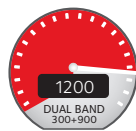
Data Sheet

D6100



Performance & Use

AC1200



- AC1200 WiFi—300+867 Mbps[†] speeds
- Ideal for homes with multiple WiFi devices
- NETGEAR genie® App—Home networking simplified
- Ethernet WAN—For fibre Internet connection

The NETGEAR Difference - D6100

- Connectivity for dual band WiFi devices like iPad® or iPhone5®
- Live Parental Controls for safer web surfing

Overview

The NETGEAR AC1200 WiFi Modem Router—Essentials Edition with AC1200 dual band is an incredibly fast modem router delivering up to 1200Mbps[†] WiFi speeds. With a built-in ADSL2+ modem router, it offers improved performance and wireless coverage for multiple WiFi devices throughout your entire home. With speeds three times faster than similar 802.11n technology, this modem router delivers the speed and reliability for HD streaming and online gaming throughout your home, via a secure and reliable connection. It also includes NETGEAR genie® home network manager for easy installation and home network management.

Compatible with next generation WiFi devices, this modem router is backward compatible with 802.11 a/b/g/n devices. With up to 300+867 Mbps[†] speed and simultaneous dual band WiFi technology, the NETGEAR AC1200 WiFi Modem Router—Essentials Edition avoids wireless interference for smooth media streaming. Advanced features include Ethernet WAN for easy upgrade to cable or fibre.



NETGEAR genie® Home Networking Simplified

- Home network manager
- 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



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Speed

Speed makes video streaming better. Speed makes online gaming more fun. Speed makes all your devices really go. And any place you need speed, with NETGEAR you got it. Fast download speeds up to 1200 Mbps. WiFi with dual band technology providing whole home coverage. Everything you need for a fast connected home.

Best WiFi Speed



AC1200 WIFI—Up to 300+867 Mbps[†]



GIGABIT WIRED—Ideal for HD gaming & video



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



Built-in ADSL2+ Modem

WiFi Range

Homes come in all shapes and sizes. The NETGEAR AC1200 WiFi Modem Router—Essentials Edition provides WiFi connectivity throughout your home for all your Internet-enabled devices.

Better WiFi Range



BETTER RANGE—Wireless coverage for your entire home

Sharing

Relive memories and share them with others. Find photos, videos and music stored on your home network and enjoy them on your TV, game console, laptop or tablet right from your couch.

Share & stream your movies, music, photos



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



NETGEAR GENIE®—Share and play media easily across your WiFi devices at home

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 interference for better connections to more WiFi devices



ADVANCED QoS—Optimized for smooth HD streaming & gaming

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Ease Of Use

NETGEAR makes it easy to do more with your digital devices. Manage your network with 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



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 the highest level of WPA/WPA2 security.

Safeguard your network



PARENTAL CONTROLS—Web filtering for all your connected devices



GUEST NETWORK ACCESS—Separate & secure access for guests



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

Applications

With the AC1200 WiFi Modem Router—Essentials Edition 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 with no lags

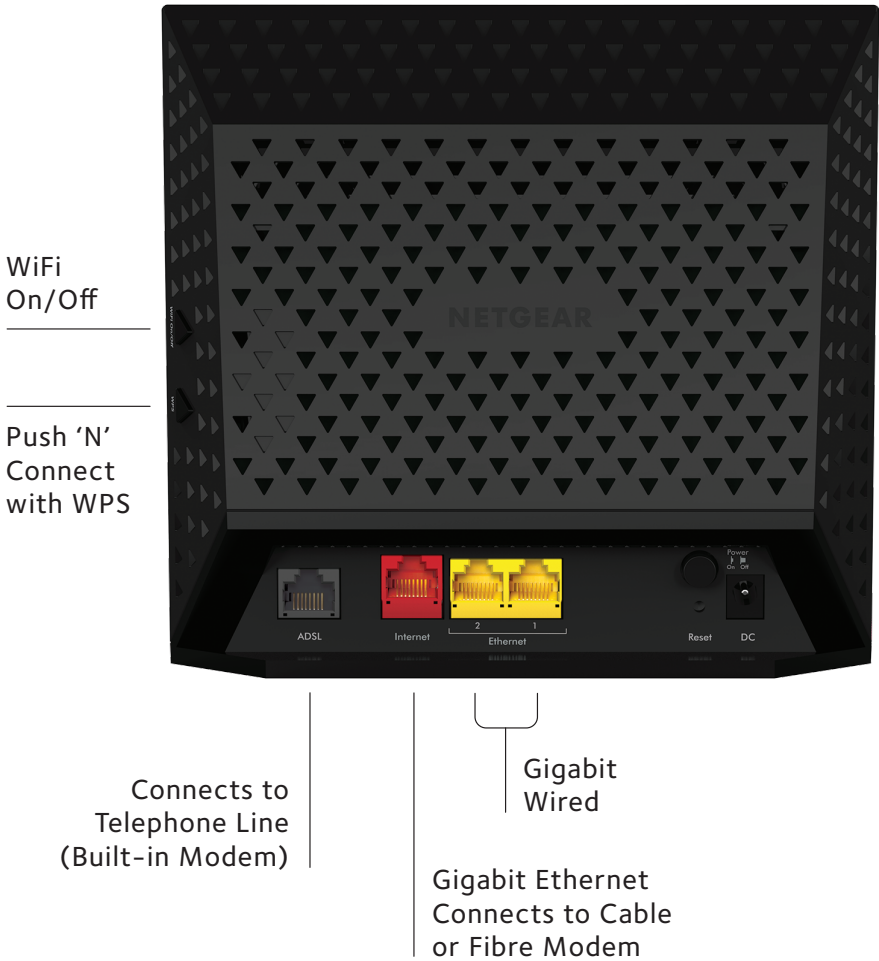


HD STREAMING—Enjoy high-quality HD streaming



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

Connection Diagram



AC1200 WiFi Modem Router Essentials Edition

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PACKAGE CONTENTS

- AC1200 WiFi Modem Router—Essentials Edition (D6100)
- Ethernet cable
- Phone cable
- ADSL2+ phone filter
- Power adapter
- Quick install guide

PHYSICAL SPECIFICATIONS

- Dimensions: 179 x 167 x 59 mm (7.05 X 6.57 X 2.32 in)
- Weight: 0.362 kg (0.8 lb)

WARRANTY

- NETGEAR 2-year limited warranty

SUPPORT

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

TECHNICAL SPECIFICATIONS

- High-speed ADSL2+ modem built in
- Push 'N' Connect—Easy push button WiFi connections (WPS)
- WiFi Transmitters/Receivers (Tx/Rx)
 - 2x2 (2.4GHz) + 2x2 (5GHz)
- WiFi Boost with high-powered radio amplifiers
- Simultaneous dual band WiFi—2.4 & 5GHz
- Memory: 128 MB flash and 128 MB RAM
- Advanced Quality of Service (QoS)
- IPv6 Supported (Internet Protocol Version 6)

STANDARDS

- One (1) ADSL2+ port
- IEEE® 802.11 b/g/n 2.4GHz
- IEEE 802.11 a/n/ac 5GHz
- Three (3) 10/100/1000 (1 WAN and 2 LAN) Gigabit Ethernet ports with auto-sensing technology

SYSTEM REQUIREMENTS

- Broadband Internet service
 - ADSL2+ broadband Internet service
 - Cable or fibre: connects to cable modem via Gigabit Ethernet WAN port
- Microsoft® Windows 7, 8, 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 2x2 300 Mbps adapter like Centrino® 6205/6235, 3x3 450 Mbps adapter like Centrino® 6300/5300 for maximum performance
- Use with an 802.11ac adapter like NETGEAR A6200 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 is packaged with a limited warranty, the acceptance of which is a condition of sale. Warranty valid only when purchased from a NETGEAR authorised reseller.

*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, interference, and building construction may lower actual data throughput and wireless coverage. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

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