NETGEAR®

AC1600 Smart WiFi Router—Dual Band Gigabit

Performance & Use

AC1600

1600
DUAL BAND
300+1300

RANGE

- WiFi speeds up to 300+1300Mbps†
- Best wireless coverage for large homes
- Ideal for homes with multiple WiFi devices
- NETGEAR genie® app—Easily manage your home network

The NETGEAR Difference – R6250

- Beamforming+—Faster, more reliable connections
- USB port—For USB hard drive access
- Ultimate connectivity for latest dual band WiFi devices such as smartphones, tablets, smart TVs, etc.

Overview

The NETGEAR AC1600 Smart WiFi Router with dual band Gigabit delivers AC1600 WiFi and Gigabit Ethernet speeds. It offers the best wireless coverage for large homes and is ideal for homes with multiple wireless devices. This router gets 3x faster access than similar 802.11n technology and more reliable streaming for home computers and WiFi mobile devices. It delivers the speed and reliability needed for applications such as smooth, lag-free multiple HD video streaming, multi-player gaming, ultra-fast speed and a secure reliable connection to the Internet. It also includes NETGEAR genie® app home network manager for easy installation and home network management.

Compatible with next-generation WiFi devices and backward compatible with 802.11 a/b/g/n devices, it enables HD streaming throughout your home. With up to 300+1300Mbps† speed and simultaneous dual band WiFi technology, this router avoids wireless interference, ensuring top WiFi speeds and reliable connections. This technology also provides the ultimate connectivity for the latest dual band WiFi devices such as smartphones, tablets, smart TVs, etc. The USB port provides USB hard drive access and can also be used to convert a USB printer into a network printer.

NETGEAR®

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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+1300Mbps. 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.

Ultimate WiFi Speed

AC1600 WIFI—Up to 300+1300Mbps†

GIGABIT WIFI—Next generation WiFi now at Gigabit speeds

GIGABIT WIRED—Ideal for HD gaming & video

WiFi Range

Homes come in all shapes and sizes. The NETGEAR AC1600 Smart WiFi Router with additional high power amplifiers provides WiFi connectivity throughout your home for all your Internet-enabled devices.

Ultimate 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 drive via one (1) USB port

READYSHARE® PRINTER—Wirelessly access & share a USB printer

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

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

ADVANCED QoS—Optimized for smooth HD streaming & gaming

NETGEAR®

Ease Of Use

NETGEAR makes it easy to do more with your digital devices. 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
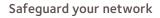
PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)

WIFI & POWER ON/OFF—Convenient power savings

NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network. Includes remote access to manage your network away from home

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 so 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

PARENTAL CONTROLS—Web filtering for all your connected devices

GUEST NETWORK ACCESS—Separate & secure access for guests

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

NETGEAR genie®—HOME NETWORKING SIMPLIFIED

NETGEAR genie makes getting the most out of your home network fun & easy. NETGEAR genie allows you to easily monitor, connect & control your home network from an iPhone®, iPad® or Android® devices. With NETGEAR genie you can share & stream music or videos, diagnose & repair network issues, set up parental controls & more.

- Network Map—Allow or block access to your network using real-time map of connected devices
- Traffic Mater—Track your Internet data usage
- MyMedia®—Find & play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- For iPhone®, iPad® or Android® devices
- Remote access to manage your network away from home. View the network map, block WiFi devices, set up guest WiFi & manage Parental Controls—anytime, anywhere.

BEAMFORMING+—FOR MORE RELIABLE CONNECTIONS

Unlike typical WiFi routers that just blast the WiFi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the WiFi signal to the device. Boosting speed, reliability, and range for both implicit and Explicit 2.4 & 5GHz WiFi devices, the result is a stronger, faster, more reliable connection that is locked in even when the device is moved around the home.

- WiFi Signal Focus—Focuses signals from the wireless router to WiFi devices like smartphones, tablets & laptops
- Automatic Signal Management—Checks with your device to keep WiFi signal at its optimal strength
- Device Connections—Designed for home environments to support multiple WiFi device connections for highest quality
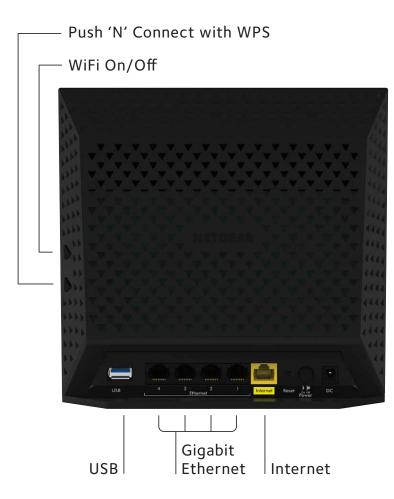- WiFi Coverage—Reduces dead spots, & boosts signal strength

NETGEAR®

Connection Diagram

Push 'N' Connect with WPS

WiFi On/Off

USB

Gigabit
Ethernet

Internet

PACKAGE CONTENTS

- R6250v2 Smart WiFi Router
- Ethernet cable
- Quick install guide
- Power adapter

PHYSICAL SPECIFICATIONS

- Dimensions: 191 x 198.5 x 65 mm (7.5 x 7.79 x 2.55 in)
- Weight: 417 g (0.91 lb)

WARRANTY

- www.netgear.com/warranty

SUPPORT

- 90-day complimentary technical support*

TECHNICAL SPECIFICATIONS

- Simultaneous Dual Band WiFi—2.4 & 5GHz
- Beamforming+—Smart, signal-focusing technology boosts the speed, reliability & range of your WiFi connections
- WiFi Transmitters/Receivers (Tx/Rx) – 2x2 (2.4GHz) + 3x3 (5GHz)
- WiFi Boost with high-power radio amplifiers
- Memory: 128 MB flash and 256 MB RAM
- Advanced Quality of Service (QoS)
- IPv6 support (Internet Protocol Version 6)

STANDARDS

- One (1) USB port
- IEEE® 802.11 b/g/n 2.4GHz
- IEEE 802.11 a/n/ac 5.0GHz
- Five (5) 10/100/1000 (1 WAN and 4 LAN) Gigabit Ethernet ports with auto-sensing technology

SYSTEM REQUIREMENTS

- 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, or 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