NETGEAR®

Nighthawk® AC1900 WiFi 4G LTE Modem Router

Performance & Use

AC1900

1900
DUAL BAND
600+1300

RANGE

- 4G LTE modem router for optimum performance
- AC1900 WiFi—600+1300 Mbps† speeds
- 1GHz dual core processor
- Advanced features for lag-free gaming
- Prioritized bandwidth for streaming videos or music
- Now with NETGEAR genie® with remote access

**1GHz
Dual Core
Processor**
Extreme
Speed & Range

The NETGEAR Difference – R7100LG

- 4G LTE—True broadband access where wired connectivity is unavailable or inconvenient
- Fast USB 3.0 access—Twice the USB storage access & faster connections using two USB ports
- Universal compatibility—Gigabit Ethernet WAN port provides universal compatibility with any Internet service
- NETGEAR genie® app—Easily manage, monitor, & control your home network from PC, tablet, or smartphone
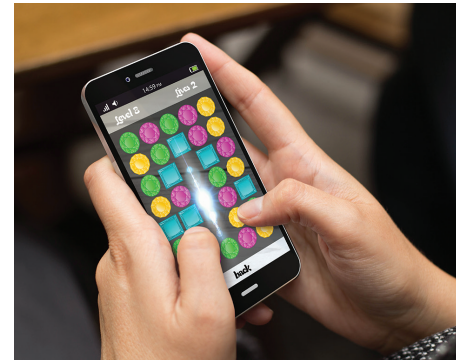
WIFI 4G LTE MODEM ROUTER

- Two-in-One—LTE Modem + AC1900 WiFi Router

- Extreme WiFi speed from Broadband access—Up to 1900 Mbps

- Perfect when wired connectivity is unavailable, inconvenient or slow

- Dual core 1GHz processor boosts wireless, wired & WAN-to-LAN performance

- Advanced QoS for a lag free video experience

- Extreme range with high-powered amplifiers & external antennas for best connectivity

- Open source support www.myopenrouter.com

ALWAYS CONNECTED

- Never be without the Internet at home or your small office

- Stay online even when your DSL or Cable can't stay up and running

- Have high-speed Internet with LTE in places where cable and DSL providers can't keep up

- Delivers a primary connection for business-critical equipment including cameras, POS systems, and all your wireless devices

- 4G Fail-over will keep you connected

- The perfect Internet connection for mobile-only retail locations, like pop-up stores at trade shows, sporting events, festivals or even food trucks

STREAMING, GAMING & MOBILE

- Extreme combined WiFi speed—Up to 1900 Mbps

- Dual core 1GHz processor boosts performance for gaming & streaming

- Uninterrupted video streaming with advanced QoS

- Find & play stored media on TVs & game consoles via DLNA® server

- Secure remote access to your home network via VPN

- Amplifiers & external antennas increase range for mobile devices throughout your home

Speed

Enjoy blazing-fast 4G LTE and lag-free WiFi experience for gaming, video-streaming or surfing.

4G LTE CONNECTIVITY—Get anytime, anywhere access to super-fast 4G LTE networks

WORLD'S FASTEST WIFI—Up to 600+1300 Mbps†

GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds

GIGABIT WIRED—Ideal for HD gaming & video

DUAL CORE PROCESSOR—Dual core 1GHz processor boosts wireless, wired & WAN-to-LAN perform

WiFi Range

Whether you're at home or a remote location, you've got WiFi coverage no matter where your life takes you.

OPTIMAL SERVICE—High-powered amplifiers with 3 external antennas for optimal 4G LTE service

WIRED BROADBAND— Gigabit Ethernet WAN port for wired broadband service as alternate connection

Sharing

Share your 4G LTE broadband with more WiFi devices. Four Gigabit Ethernet ports let you connect wired devices to your network.

READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive & printer via two (2) USB ports

ONE SUPERSPEED USB 3.0 PORT—Up to 10x faster than USB 2.0

READYCLOUD® USB ACCESS—Enjoy personal & securecloud access to USB storage anytime, anywhere

NETGEAR®

Reliable Connections

Enjoy fast, reliable connection anywhere and everywhere. With NETGEAR's advanced features & best-in-class technology, you'll reduce interference & enjoy more reliable WiFi connectivity, from anywhere you are.

SIMULTANEOUS DUAL BAND—Reduces interference for better connections to more WiFi devices

ADVANCED QoS—Downstream & upstream QoS automatically recognizes & prioritizes streaming & gaming applications

FAILOVER—From wired to wireless conection and from wireless to wired connection

Ease Of Use

Insert the SIM from your service provider and start enjoying your new device faster than ever. NETGEAR wants to make sure installation and management is simple & easy, so you can connect quickly & make sure you stay that way!

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

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

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

WIFI ON/OFF—Convenient power savings

Security

Maintain the highest security across your network to ensure your privacy & family is safe while online. Whether it's preventing phishing & spyware or just limiting access for kids & guests, NETGEAR has you covered.

VPN SUPPORT—On PC, MAC, & now also with OpenVPN® app on iOS & Android, securely access your home network & Internet connection from your mobile device remotely

PARENTAL CONTROLS—Web site filtering for all your connected devices

GUEST NETWORK ACCESS—Separate & secure access for guests

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

OPEN SOURCE SUPPORT—Download open source firmware from www.myopenrouter.com

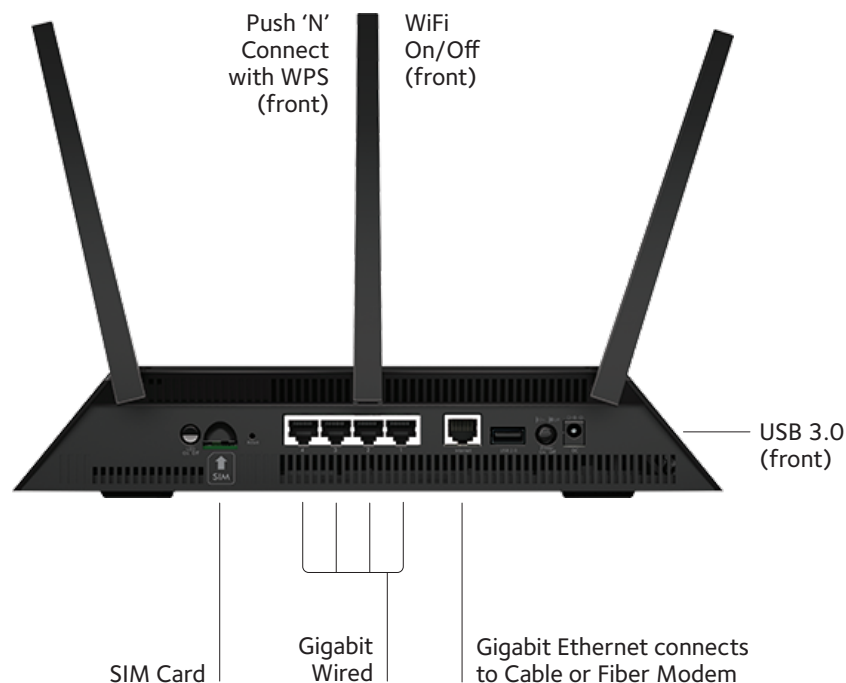**PERSONAL FTP SERVER**—Customized free URL to create FTP server

NETGEAR genie®—HOME NETWORKING SIMPLIFIED

NETGEAR genie makes getting the most out of your home network fun & easy. Installation is almost effortless – just by opening a browser, genie helps you setup your NETGEAR WiFi Router & connect all of your WiFi devices. Genie also allows you to easily monitor, connect & control your home network from a PC, Mac, tablet or smartphone. With NETGEAR genie you can share & stream music or videos, diagnose & repair network issues, set up parental controls & more.

- Home network manager
- Network Map—Real-time map of all the connected devices on your network
- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®
- MyMedia™—Find & play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- Turbo Transfer—Quickly transfer files within your home network across various devices 40% faster than normal file transfers
- For PC, Mac®, iPhone®, iPad®, & Android® devices
- Now with 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.

Connection Diagram

Push 'N' Connect with WPS (front)

WiFi On/Off (front)

USB 3.0 (front)

SIM Card

Gigabit Wired

Gigabit Ethernet connects to Cable or Fiber Modem

PACKAGE CONTENTS

• Nighthawk AC1900 4G LTE Modem Router (R7100LG)

• Three (3) detachable antennas

• One (1) 5 ft Ethernet cable

• Quick install guide

• Power adapter, localized to country of sale

PHYSICAL SPECIFICATIONS

• Dimensions: 306 x 261.6 x 203.2 mm

• Weight: 1.13 kg

STANDARDS

• Two (2) USB ports—one (1) USB 3.0 & one (1) USB 2.0 port

• IEEE® 802.11 b/g/n 2.4GHz + 256 QAM support

• IEEE® 802.11 a/n/ac 5.0GHz

• Five (5) 10/100/1000 Mbps—(1 WAN & 4 LAN) Gigabit Ethernet ports

TECHNICAL SPECIFICATIONS

• AC1900 (600 Mbps @2.4GHz with 256 QAM support +1300 Mbps @5GHz 11ac)†

• Simultaneous Dual Band WiFi—Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz)

• Powerful dual core 1GHz processor

• High-powered amplifiers—Three (3) external antennas

• LTE Category 6

• Micro SIM slot (3FF), SIM not provided

• 4G LTE: B1 (2100MHz), B3 (1800MHz), B7 (2600MHz), B8 (900MHz), B20 (800MHz), B38 (2600MHz), B40 (2300MHz)

• 3G: B1 (2100MHz), B8 (900MHz)

• Memory: 128 MB flash and 256 MB RAM

• Downstream & upstream QoS —Automatically recognize & prioritize applications

• ReadySHARE® USB —Share your USB hard drive and printer

• ReadyCLOUD® USB Access —Enjoy personal & secure cloud access to USB storage anytime, anywhere

• IPv6 Support (Internet Protocol Version 6)

• On/off LED lights option

SUPPORT

• 24/7 90-day complimentary technical support*

SYSTEM REQUIREMENTS

• Active Internet connection

   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

SECURITY

• Customized free URL to set up personal FTP server

• VPN support—secure remote access. Now also on Mobile devices.

• Guest network access—separate & secure

• WiFi Protected Access® (WPA/WPA2—PSK)

• Double firewall protection (SPI and NAT)

WARRANTY

• www.netgear.com/warranty/