NIGHTHAWK®

Nighthawk® AC1900 WiFi Cable Modem Router for Xfinity® Internet & Voice

Cable Modem Speed

Up to 960 Mbps‡

24x8 CHANNEL BONDING

xfinity

Performance & Use

- AC1900 WiFi—up to 1.9Gbps

- 1.6GHz combined processor speed boosts performance for streaming & gaming

- Three-in-one—High-Speed Cable Modem +AC1900 WiFi Router + Xfinity® Voice

- Certified with Xfinity® with speeds up to 600Mbps

- Save up to $168 per year by eliminating monthly cable modem rental fees**

- Required for the fastest Xfinity® Internet and Voice plans

- Beamforming+ for whole home HD coverage

- 24x8 channel bonding enables up to 960Mbps‡ download speeds

**Savings shown may vary by cable service providers

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WiFi Cable Voice Modem Router

- Three-in-one—High-speed Cable Modem + AC1900 WiFi Router + Xfinity® Voice

- Save up to $168 per year by eliminating monthly cable modem rental fees**

- Supports two telephone lines

- Highly reliable—Maintains download speeds during peak Internet usage hours

- Powerful 1.6GHz combined processor boosts performance for streaming & gaming

Supports Xfinity® Internet & Voice

- Max WiFi speed up to 1.9Gbps with AC1900

- 24x8 channel bonding technology enables extreme cable Internet speeds

- Optional battery* backup for power outages with up to 8 hours of standby and 5 hours of talk time

- Automatically prioritizes voice over Internet for best call clarity

- Enhanced call features include 3-way conference calling, caller ID, call forwarding and more

Streaming, Gaming & Mobile

- Enjoy uninterrupted HD video streaming with AC1900 WiFi and 24x8 channel bonding

- Beamforming+ for whole home HD coverage boosts speed & range for all your mobile devices

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

- Nighthawk® App—Easily set up your router and get more out of your WiFi

*Battery sold separately
**Savings shown may vary by cable service providers

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Speed

Get the fastest WiFi currently available on WiFi cable modem routers & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.

EXTREMELY FAST WIFI–Up to 1.9Gbps combined WiFi speed for extreme gaming and streaming

DOCSIS 3.0–Up to 24 times faster cable Internet speeds than 2.0

CHANNEL BONDING–Extremely fast cable Internet speeds during peak hours

GIGABIT WIFI–Next-generation WiFi now at Gigabit speeds

GIGABIT WIRED–Ideal for HD gaming & video

PROCESSOR–1.6GHz combined processor speed boosts wireless, wired & WAN-to-LAN performance

WiFi Range

Homes come in all shapes & sizes & Nighthawk AC1900 WiFi Cable Modem Router for Xfinity® Internet & Voice provides WiFi coverage no matter where you connect in your home.

ULTIMATE RANGE–WiFi coverage throughout very large homes

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

Sharing

With NETGEAR, sharing across your network is fun & easy, anything from accessing stored data, media, photos & music to wireless printing.

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

READYSHARE® USB–Share your USB hard drive & printer

Reliable Connections

There's nothing more frustrating than dropped connections! With NETGEAR's advanced features & best-in-class technology, you'll reduce interference & enjoy more reliable WiFi connectivity.

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

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

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Ease of Use

Start enjoying your new device faster than ever. NETGEAR wants to make sure installation & management is simple & easy, so you can connect quickly & make sure you stay that way!

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

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

WIFI ON/OFF–Convenient power savings

NIGHTHAWK® APP–Makes it easy to set up your cable modem router and get more out of your WiFi

Security

Maintain high security across your network to help ensure your privacy & family is safe while online. Whether it's preventing phishing & spyware or just limiting access for kids & guests,

GUEST NETWORK ACCESS–Separate & secure access for guests

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

Faster Internet

FASTER INTERNET DURING PEAK HOURS

8x4 Channel Bonding

24x8 Channel Bonding

ISP

50 Mbps

200 Mbps

The Benefits of 24x8 Channel Bonding

Like lanes on a highway, cable Internet providers use data channels to deliver the Internet to your home. The more channels your cable modem router has, the more you avoid peak congestion, maintain fast download speeds and get the most reliable Internet connection. The Nighthawk WiFi Cable Modem Router supports industry-leading 24 downstream channels and the fastest cable Internet speed tiers.

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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

- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi—an industry first

Nighthawk App

The NETGEAR Nighthawk® App makes it easy to set up your cable modem router and get more out of your WiFi. With the app, you can install your router in a few steps—just connect your mobile device to the cable modem router network and the app will walk you through the rest. Once set up, you can use the intuitive dashboard to pause the Internet on your connected devices, run a quick Internet speed test, and much more!
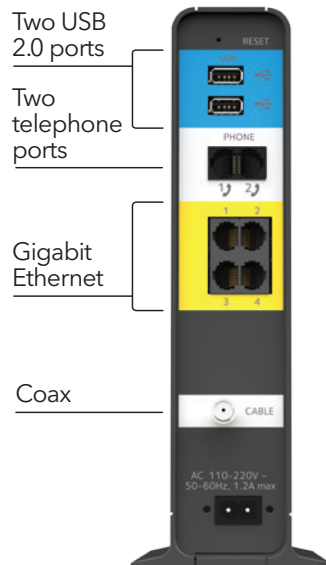
- Internet Speed Test—Check the broadband speeds from your service provider

- Pause Internet—Pause the Internet to any device

- Traffic Meter—Track Internet data usage

- Guest Networks—Set up separate WiFi access for guests

- Quick Setup—Get connected in just minutes
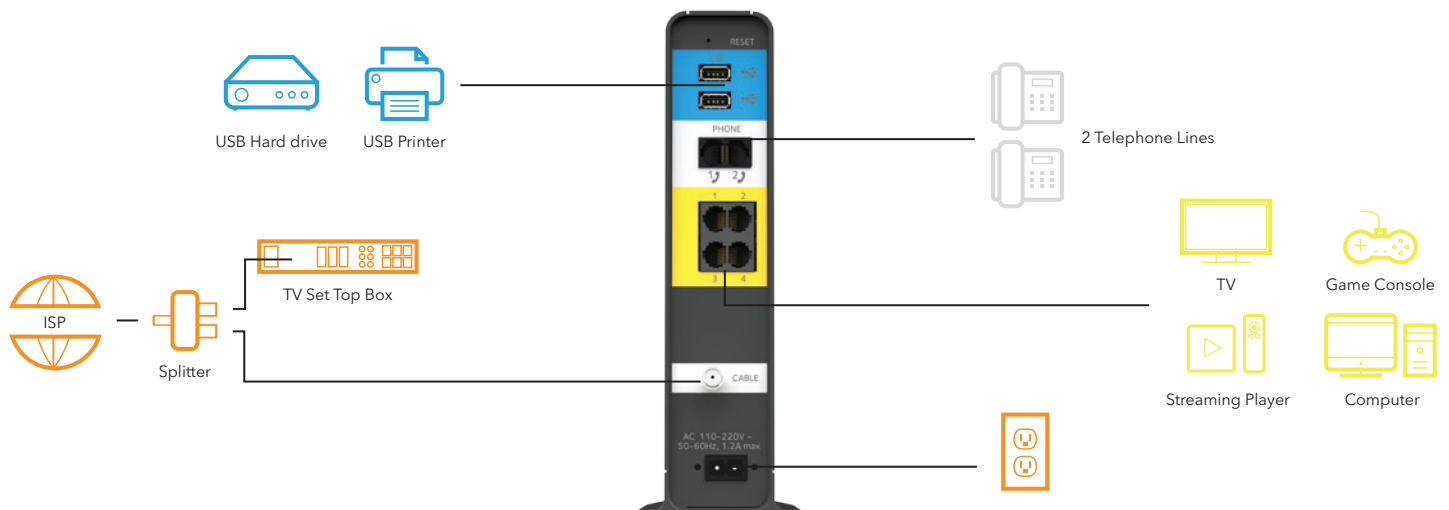
- Get it at nighthawk-app.com

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Connection Diagram

Two USB
2.0 ports

Two
telephone
ports

RESET

PHONE

Gigabit
Ethernet

Coax

CABLE

AC 110-220V ~
50-60Hz, 1.2A max

YOUR NIGHTHAWK® AC1900 CABLE MODEM ROUTER WITH VOICE CONNECTS ALL YOUR DEVICES

USB Hard drive   USB Printer

2 Telephone Lines

ISP

Splitter

TV Set Top Box

TV   Game Console

Streaming Player   Computer

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Package Contents

- Nighthawk® AC1900 WiFi Cable Modem Router with Voice (C7100V)
- Ethernet cable
- Telephone cable
- Quick install guide
- Power cord

Physical Specifications

- Dimensions: 10.15 x 10.8 x 3.55 in
- Weight: 2.83 lb

Standards

- Two (2) USB 2.0 ports
- Two (2) RJ-11 telephone ports
- IEEE® 802.11 b/g/n 2.4GHz + 256-QAM support
- IEEE® 802.11 a/n/ac 5GHz
- Four (4) 10/100/1000Mbps—Gigabit Ethernet LAN ports

Technical Specifications

- Built-in high-speed DOCSIS® 3.0 channel bonding cable modem
- 24 downstream & 8 upstream channels
- AC1900 (600Mbps @2.4GHz with 256-QAM support +1300Mbps @5GHz 11ac)†
- Simultaneous dual-band WiFi—Tx/Rx 3x3 (2.4GHz) + 3x3 (5GHz)
- Powerful 1.6GHz combined processor speed
- Beamforming+—For more reliable connections on 2.4 and 5GHz bands
- ReadySHARE® USB—Share your USB hard drive and printer
- IPv6 support (Internet Protocol Version 6)
- Memory: 128MB flash and 256MB RAM
- Supports Xfinity® Voice for 2 telephone lines
- Optional battery back-up. Battery sold separately
- Nighthawk® App—Easily set up your router and get more out of your WiFi

System Requirements

- Cable broadband Internet service

Security

- Guest network access—Separate & secure
- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention

Warranty

- www.netgear.com/warranty

Supports Windows® 10

Mac

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