

## How to choose between 100Mbps fiber optic internet and a router

Various specifications optional



### Overview

For fiber optic internet speeds of 100 Mbps or higher, a router supporting at least 1 Gbps is required. Look for routers with AX or AC designations (Wi-Fi 5 or 6) that support faster speeds than older N standards (Wi-Fi 4). Many major ISPs, such as Verizon and Xfinity, offer fiber connections directly to your door, known as FttP or Fiber. Instead, fiber relies on an Optical Network Terminal (ONT) to decode the signal from the fiber lines into something usable by your devices. In this way, an ONT serves the same basic function as a cable modem. However, ONTs tend to be much larger, so they are typically installed in closets, garages. The decision between a modem router combo and separate modem and router devices significantly impacts your internet speed, coverage, and long-term cost. Users today are not just comparing devices, they are evaluating network architecture.



## Article Content

Do You Need a Modem for Fiber Internet? | BroadbandSearch

Unsure if you need a modem for fiber internet? Here's everything you need to know to ensure you get the right equipment for your fiber-optic connection.

How to choose the best router for your internet plan in 2025

This guide explains router types, setup basics and how to select the best router for your internet connection. Additionally, learn how to set up your router, enhance your home Wi-Fi...

Modem Router Combo vs. Separate: How to Choose

Discover the differences between the modem router combo and separated devices. Follow the instructions to choose the setup that best suits your needs.

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Learn about essential fiber internet equipment including ONTs, fiber routers, and setup requirements. Compare equipment options and find the best internet providers in your area.

Best routers for fiber internet 2025: our top picks for fast broadband

We've done the research for you and put together this in-depth guide that lists multiple options, their details, reviews, and pros and cons. This should help you make an informed decision ...

9 Best Wi-Fi Routers For Fiber Optic Internet Reviews

Discover the best routers for high-speed fiber optic internet. Get blazing fast Wi-Fi performance for your home network.

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Can I use my existing router with fiber?

Can you use your existing router with AT& T Fiber? Learn about compatibility, fiber optic connections, and router requirements for optimal internet speed.

Internet Modem vs Router – Do You Need Both?

You need to know the difference between a modem and a router before deciding what's best for your home. Below you'll find the answers you need to get the right home Internet setup.

Fiber internet routers and modems vs. ONTs | Switchful

The farther you get from the router, the weaker the signal will be—and a weaker signal means slower performance. As such, a larger range is almost always better, even if it exceeds the ...

How to Choose a Router (2025): Tips, Technical Terms, and Advice | WIRED

We're largely looking at using your own router and your ISP's modem in this guide. By using your own, you can potentially save money in the long term, but you can also enjoy faster Wi-Fi,...

## Contact Us

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