

Is a 450Mbps router enough for a 100Mbps fiber optic connection



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). While routers are designed to connect to a modem, the type of modem and the connection protocol are where compatibility with fiber becomes a crucial consideration. Understanding compatibility, potential limitations, and when an upgrade is necessary will ensure you get the most out of your high-speed connection. This guide will break down everything you. The use of Wi-Fi 7 is one of the major reasons why this router gets the top spot. It also has plenty of gigabit Ethernet ports. Routers designed for DSL (which uses phone line inputs) or cable (which uses coaxial inputs) won't work. If you're connected to Wi-Fi, however, other factors—like your distance from the router, the materials your.



Article Content

Jan 28, 2026

I'm getting fiber optic internet installed soon, should I ...

Your router isn't the fastest but you probably should try using it to see if it's fast enough for what you are wanting to do, especially if you don't have an 802.11AX (WiFi 6) devices.

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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?

While many existing routers can connect to a fiber network, there are several scenarios where upgrading your router is not just recommended, but essential to fully leverage the benefits of fiber optic internet.

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Best Router for Fiber Internet - 2026 Reviews

After testing dozens of routers specifically for fiber connections, I've found the ones that actually deliver on the promise of high-speed internet. In this guide, I'll share my hands-on experience with the top ...

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Will a New Router Boost Your Internet? Is Your 100M Fiber Truly ...

For wired networks under 100M fiber, it's unnecessary—you won't see improved speeds.

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Can I use my existing router with fiber?

While some older routers might *technically* handle 500 Mbps, anything above this threshold, especially gigabit speeds (1000 Mbps), almost certainly requires a modern router with a powerful processor and ...

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Can I Use My Own Router for Fiber Internet? | Mercury Broadband

Wondering if you can use your own router for fiber internet? Learn about compatibility, setup tips and what to consider before replacing your equipment.

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

For wired networks under 100M fiber, it's unnecessary—you won't see improved speeds.

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What Speed Should I Expect From My Wi-Fi When I Have Fiber ...

Fiber provides so much bandwidth that every device doesn't need to get the highest possible connection speed to still have fast internet service. If you're only seeing 10 Mbps in your ...

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Optimize Fiber Internet Speed

New, high-quality modems and routers are designed to handle the speed and bandwidth of fiber internet. Aging equipment can be a significant bottleneck between your high-speed fiber and the ...

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

With plenty of speed to take advantage of, a fiber router can unlock your connection and is likely worth the cost considering the range of generations available.

Contact Us

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