

Do I need a router for gigabit fiber optic internet



Article Overview

Yes, to fully utilize gigabit fiber optic internet, you need a high-performance router with a Gigabit WAN port and support for modern Wi-Fi standards like Wi-Fi 6 or 7.

Why a Router is Necessary

Fiber optic internet uses an Optical Network Terminal (ONT) instead of a traditional modem. The ONT converts the fiber signal into an Ethernet connection, which then requires a router to distribute internet to your devices via wired or wireless connections. Without a router, you cannot connect multiple devices or use Wi-Fi in your home.

Router Requirements for Gigabit Fiber

To achieve full gigabit speeds, your router should meet the following criteria:

- Gigabit WAN and LAN ports: Ensure the router can handle speeds of 1 Gbps or higher to avoid bottlenecks.
- Modern Wi-Fi standard: Wi-Fi 6 or Wi-Fi 7 routers provide faster speeds, better efficiency, and support for multiple devices simultaneously.
- Strong processing power: Routers with multi-core CPUs and sufficient RAM can manage high-speed traffic and multiple connections without slowing down.
- Optional features: Some routers offer LAN aggregation, tri-band Wi-Fi, and advanced security features to optimize performance and coverage.

Recommended Router Options

Article Content

Does Fiber Optic Internet Need a Modem?

All Fidium installations also come with a Wifi 6 router, so you won't need to purchase a separate or additional one.

Do Fiber Internet Connections Require a Modem? | EPB

To experience the full potential of fiber, it's crucial to select a router that's capable of

Do You Need a Modem for Fiber Internet? | BroadbandSearch

You still need a router: The ONT converts the fiber signal but doesn't distribute Wi-Fi. You need a router connected to

The Best Router For Fiber Internet in 2026: Reviews & Rankings

Whether you're a passionate gamer, a remote worker, or simply a digital enthusiast, the best router for fiber internet is here to

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

Yes, you can use your own router with fiber internet, as long as it has a Gigabit Ethernet WAN port to connect to your

Fiber Optic Internet - A Complete Guide | Learn | Hitron

For Fiber Internet, the ONT/ONU stands in for the cable modem, so you do not need a traditional one. The

Complete Guide to Fiber Optic Home Networking | BroadbandSearch

For most households on standard gigabit fiber plans, any router with a gigabit WAN port and Wi-Fi 6 works well and is

hi, i havent been up to date with fiber optic internet most of my knowledge is from adsl router, i was wondering if i

What does my house need for fiber internet?

Discover what your home needs for fiber internet. Learn about fiber optic cables, ONT, and

Best Router For Gigabit Internet in 2026

There are a handful of factors that need to be considered while choosing a router for your gigabit internet. There are

Going from 50mbps to 10 gigabit fiber! Do I need a new router?

Router/switch: First bottleneck, will need 10gbe wan and 10gbe lan. Typical average routers are 1 gigabit or under. End-device: will

Fiber Optic Equipment: What Do You Need for Internet?

You don't need a special router, per se, but you do need one that can handle the speed fiber provides. If you're

The Best Routers for Fiber Internet: My Expert Picks

Do I need a special router for gigabit fiber internet? Yes, you might need a special router for gigabit fiber internet

Fiber Internet Equipment: Routers, ONTs, and What You Need to Know

Yes, fiber internet requires specific equipment including an Optical Network Terminal (ONT) and a compatible router.

Do You Need a Fiber Internet Modem? | Allconnect

Find out why your old modem and Wi-Fi router might not be compatible with your new high-speed fiber-optic service

Does Fiber Optic Internet Require Router Upgrade?

Do you need a new router for your fiber internet? If you have recently switched to fiber optic internet, the answer may

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

While fiber internet doesn't require a modem, you still need a router to distribute the connection across your network. Your router

Does Fiber Internet Need a Modem — Here's How It Works

Upgrade to a fiber optic home network router today and enjoy seamless connectivity for all your online activities. Do

Router/Modem Suggestions for Fiber Internet : r/HomeNetworking

With Gigabit Internet you only need a gigabit router. So, what to get? Well, that depends on whether you intend to use the ISP's

Best Router for Popular Internet Providers: A Complete

Best Router for Popular Internet Providers: A Complete Guide Popular internet service

Do you need a Modem for Fiber Optic Internet? (Explained!)

Do you need a Modem for Fiber Optic Internet? Fiber Optic Internet is the modern network connectivity that offers a

What Equipment is Needed for Fiber Optic Internet?

Discover the essential equipment needed for fiber-optic internet, including modems, routers,

Does Fiber Internet Need a Modem?

However, fiber-optic technology works differently, eliminating the need for a traditional modem. Instead, an Optical

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

What You Need to Install Fiber-Optic Internet

Let's take a closer look at each one. Locate your fiber network terminal In order to install your own fiber internet, you

Complete Guide to Fiber Optic Home Networking | BroadbandSearch

Your router matters more than most people realize. For gigabit plans, any modern router works. For 2.5 Gbps or faster

Does Fiber Internet Require Modem Equipment?

Learn what equipment is needed for fiber-optic internet at your home. Does fiber internet not need a modem? Find out fiber internet

Best fiber-compatible routers for gigabit plans

Top Choices for Routers Supporting Gigabit Fiber Internet Fiber internet offers blazing fast speeds that demand high

Fiber Internet Equipment: Routers, ONTs, and What

Learn about essential fiber internet equipment including ONTs, fiber routers, and setup

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