

Do I still need a router if I m using fiber optic broadband



Article Overview

Yes, fiber optic broadband still requires a router to distribute the internet connection to your devices, even though a traditional modem is not needed.

Fiber internet uses an Optical Network Terminal (ONT), which converts the light signals from the fiber optic cable into digital Ethernet signals that your devices can use . Unlike cable or DSL, fiber does not rely on electrical signals over copper lines, so a traditional modem is unnecessary . The ONT handles the signal conversion and network termination, but it does not distribute the connection to multiple devices on its own. A router is essential for sharing the fiber connection across your home or office network. It can provide wired Ethernet connections and wireless Wi-Fi access to multiple devices . Most standard routers are compatible with fiber, but to fully leverage high-speed fiber connections, your router should have a Gigabit Ethernet WAN port and support modern Wi-Fi standards like Wi-Fi 6 or 6E . Routers designed for DSL or cable may not work properly with fiber because of different input requirements. Some ISPs offer gateway devices that combine the ONT and router in a single unit, simplifying setup . However, if your ONT is standalone, you will need a separate router to manage your network. For optimal performance, consider routers with dual-band or tri-band Wi-Fi, Quality of Service (QoS) features, and advanced security options to handle high-speed fiber connections and multiple devices efficiently . In summary, while fiber broadband eliminates the need for a traditional modem, a router remains necessary to distribute the internet throughout your home or business network. Choosing a router that matches your fiber plan's speed and supports modern Wi-Fi standards ensures you get the full benefit of your fiber conn...

Article Content

Probably a stupid question, but will fiber be able to plug ...

Probably a stupid question, but will fiber be able to plug straight in to my router or will I need to purchase a modem? The reason I

Do I need a modem for fiber or just a router? | Fastwyre Broadband

Need a modem for fiber? No—fiber uses an ONT to feed your router. Learn bridge mode basics and quick steps for fast, reliable Wi-Fi.

Fiber-optic internet with coax wall outlets in home.

Hi all, I'm a bit unclear on this, sorry if its been covered, couldnt find a post that was quite what i was looking for. We pay for 100/100

Do I need a modem for fiber or just a router? : r/ZiplyFiber

If your "modem/router" box was left over from DSL, then it would have contained a DSL modem, which is only used for DSL service

What is Fiber Internet? | T-Mobile

Discover what fiber internet is, pros and cons, how it works, how fast fiber internet is, whether fiber internet is better

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

I currently have an Arris Surfboard SBR-AC1750, which according to the specs should be able to sustain speeds up 450mbps and

Complete Guide to Fiber Optic Home Networking | BroadbandSearch

Build a home fiber network for 1-2 Gbps speeds with this complete guide to installation, troubleshooting, and performance.

Best Routers for Fiber Internet

Find the best routers for fiber internet to boost your broadband speed. Explore top-rated models for ultra-fast, reliable,

9 Best Fiber Internet Routers 2025 | HighSpeedOptions

Make the most of your fiber internet connection with the right equipment. Here we show you the 9 best routers for fiber internet.

Fiber Optic Router...What is it and why do you need one?

That's the only reason you would choose a fiber router. And, you would need a fiber-specific modem (ONT) to go with it. While fiber

Does Fiber Internet Need A Modem? Here's How It Really Works

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

Contact Us

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