

If you have fiber optic broadband you don't need a router right



Overview

You don't need a special router, per se, but you do need one that can handle the speed fiber provides. If you're paying for gigabit fiber service, make sure your router supports at least gigabit Ethernet ports and dual-band or tri-band WiFi (like WiFi 5 or WiFi 6). No—fiber internet replaces the modem with an ONT (Optical Network Terminal) that hands off Ethernet to your router. Plug your router into the ONT for Wi-Fi. If your ISP supplies a combo gateway, enable bridge/ONT mode to use your own router and avoid double NAT. This ONT will translate the optical signal from the service provider into a digital signal which can be read by the router or device connected to it. Fiber internet doesn't. The short answer is no – fiber internet doesn't need a modem. Think of the ONT as a high-tech bridge between your ISP and your internal network – but engineered specifically for fiber's unique data.

Article Content

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.

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

So, you don't need to buy a modem, but you might have to buy a router to share the internet. Let us understand how a fiber optic internet works and how it avoids a modem for its

Openreach equipment in your home | ONT Box, Fibre

Why you have Openreach equipment in your home The box was installed when Full Fibre broadband was set up at your address. Because multiple providers use the

Want a Fiber Internet Connection? Read This First

The Fiber Broadband Association estimates that a little over 76 million homes have made the switch to a fiber internet connection, representing a growth of 13% in

Everything you need to know about fiber optic termination

Fiber Optic Termination Tutorial We terminate fiber optic cable two ways - with connectors that can mate two fibers to create a temporary joint and/or connect

Fiber Optic Equipment: What Do You Need for Internet?

Fiber internet is fast, secure, & reliable, so long as you have the right devices! Click here to see the fiber optic equipment needed to enjoy stellar service.

What Is DSL Internet? How Does DSL Internet Work, and How Fast Is

DSL internet is one of several types of internet available. But how does it work? How fast is it? Is it right for you? Find out in our complete guide here.

Hyperoptic | Full Fibre Optic Broadband Provider

The speed you need is dependent on several factors – including how many of you are using the service and what you're using it for. The higher your broadband speed, the higher your bandwidth, and

5 Trends Driving Fibre Optic Deployment in 2026 – Wray Castle

2026 Fibre Deployment Trends Shaping the Market Fibre optic deployment in 2026 is being driven first by a major policy and funding wave that is finally turning plans into active construction.

Setting up a wireless network in Windows | Microsoft Support

Windows 11 Windows 10 A wireless network at home lets you get online from more places in your house. This article describes the basic steps for setting up a wireless network and starting to use it.

Internet, TV, Security & Phone Service | San Antonio

GVTC is an award-winning fiber optics communications provider delivering high-speed internet, digital streaming TV, phone, and interactive security monitoring

Internet Providers Near You — Compare by Address

Find and compare internet providers available at your address. Check real speeds, pricing, and availability from 35,000+ locations.

How to get broadband without a landline

While ADSL and part-fibre broadband technically require a copper phone line, you don't need to set up a landline service. These phone lines just help to deliver broadband to your home.

No Internet Connection? How to Troubleshoot Internet Issues

If you're not getting an internet connection, check your internet equipment before you troubleshoot anything else. Your fiber optical network terminal (ONT), modem, or gateway provides

ONT vs. Modem vs. Router: What Are the Differences?

The right setup depends on your connection type: fiber requires an ONT, cable or DSL requires a modem, and most businesses also need a router. Understanding how these devices work together

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 paying for gigabit fiber service, make sure your router supports at least

How Fiber Internet Connects Without a Traditional Modem

Fiber internet relies on an Optical Network Unit (ONU), eliminating the need for a traditional modem and streamlining home connectivity with faster, more reliable signals.

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 works hand-in-hand with the ONT, taking the internet signal and spreading

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

