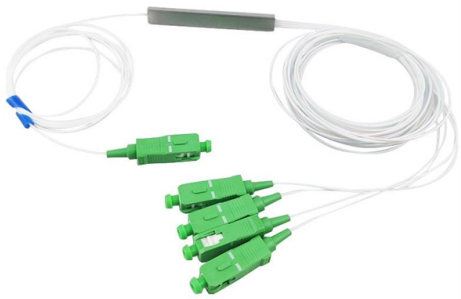
# Do I need to buy a router if I have fiber optic internet



## Overview

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.

## Key Takeaways

Yes, a router is required for fiber optic internet to distribute the connection to your devices, typically alongside an ONT provided by your ISP.

### Equipment Needed

To use fiber optic internet, you need two main pieces of equipment: an ONT (Optical Network Terminal) and a compatible router or mesh system.

### The ON

T converts the fiber optic signal into an Ethernet connection that your router can use to provide internet access to your home or office devices. Most fiber service providers supply both the ONT and a router during installation, but you can also use your own compatible router if you prefer. Role of the RouterThe router is essential for several reasons: Distributes Internet: It allows multiple devices to connect via Wi-Fi or Ethernet.



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Maximizes Speed: High-performance routers, especially those supporting Wi-Fi 6 or Wi-Fi 7, are necessary to fully utilize gigabit or multi-gigabit fiber plans. Coverage and Reliability: Routers with strong range or mesh systems ensure consistent connectivity throughout your home. Advanced Features: Modern routers offer security, parental controls, and LAN aggregation for faster wired connections.

Choosing a RouterWhen selecting a router for fiber internet, consider: Plan Speed: Ensure the router can handle your fiber plan's maximum speed. Home Size: Larger homes may benefit from mesh systems or routers with extended coverage. Device Load: High-performance routers can support dozens of devices simultaneously.

### Future-

Proofing: Wi-Fi 6 or 7 routers are recommended for upcoming high-speed applications. In summary, while the ONT connects your home to the fiber network, a router is necessary to share that connection with your devices and to take full advantage of fiber internet speeds. Choosing the right router ensures optimal performance, coverage, and reliability.

## Article Content

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

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ONT Meaning: What Is an Optical Network Terminal?

Without an ONT, a Fiber-to-the-Home (FTTH) Internet connection cannot communicate with your router, computers, gaming consoles, streaming devices, or WiFi network. Let''s break down how ONTs work,

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