

Router and Fiber to the Home

Article Overview

For home fiber internet, a high-performance router with Wi-Fi 6 or 7, gigabit ports, and strong coverage is essential to maximize speed and reliability.

Key Considerations for Fiber Routers

Speed and Standards: Fiber internet can deliver gigabit or multi-gigabit speeds, so your router should support Wi-Fi 6 or Wi-Fi 7 to handle high throughput without bottlenecks . **Coverage and Devices:** Choose a router that matches your home size and the number of connected devices. High-end models like the Netgear Nighthawk RS700S can support up to 200 devices and cover 3,500 square feet . Mesh systems, such as Linksys Velop AX4200 or Google Nest Wi-Fi, are ideal for eliminating dead zones in larger homes . **Ethernet Ports and Multi-Gig Support:** Routers with multiple gigabit or 10G LAN/WAN ports allow wired connections for gaming or streaming and support LAN aggregation for faster speeds . **Security and Features:** Advanced security features, including firewall protection, malware defense, and parental controls, are important for safeguarding your network .

Recommended Routers

- Netgear Nighthawk RS700S (Wi-Fi 7): Top choice for multi-gig fiber, wide coverage, and support for up to 200 devices .
- ASUS ROG GT-AXE16000: Designed for gaming with ultra-low latency and high throughput .
- TP-Link Archer AX55/AX90: Budget-friendly options with reliable Wi-Fi 6 performance

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Key Takeaways: Fiber Hardware at a Glance ONT, not modem: Fiber internet uses an ONT (Optical Network

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