

How to Choose a Network for Your Router

Fiber Optic Fiber Optic Connection



Article Overview

Select a router that supports multi-gig speeds, modern Wi-Fi standards, sufficient coverage, and multiple LAN ports to fully utilize fiber optic internet.

Key Factors to Consider

1. Data Transfer Rate: Fiber optic internet can deliver speeds up to several gigabits per second. Choose a router that supports at least 1 Gbps, with Wi-Fi 6 (AX) or Wi-Fi 7 (BE) standards for optimal performance . Multi-gig routers with 2.5G or 10G WAN/LAN ports are ideal for future-proofing and high-bandwidth activities . 2. Wi-Fi Standard: Wi-Fi 6 and Wi-Fi 7 routers provide faster speeds, lower latency, and better handling of multiple devices. Wi-Fi 7 routers, like the NETGEAR Nighthawk RS700S or ASUS RT-BE86U, offer advanced features such as Multi-Link Operation (MLO) and 4096-QAM modulation for speeds up to 6.5 Gbps . 3. Coverage and Range: Consider the size of your home or office. Dual-band or tri-band routers with strong internal or external antennas ensure reliable coverage. Routers like the NETGEAR Nighthawk RS700S can cover up to 3,500 sq. ft., while maintaining stable connections across multiple devices . 4. Number of LAN Ports: For wired connections, ensure the router has at least 4 Gigabit LAN ports. Routers with LAN aggregation or 10G ports allow combining ports for faster wired speeds, which is useful for gaming, NAS, or desktop PCs . 5. Device Capacity: High-performance routers can support multiple devices simultaneously. For example, the NETGEAR Nighthawk RS700S supports up to 150 devices, making it suitable for homes with many smart devices or small offices . 6. Security and Management Features: Look for routers with built-in security features l...

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In any case, it's always a good idea to fully evaluate your home internet needs and the available options in your area before

Contact Us

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