

How to choose a router with fast fiber optic speed



Article Overview

Choose a router with Wi-Fi 6 or Wi-Fi 7, multi-gig Ethernet ports, strong coverage, and advanced features to fully utilize fiber optic speeds.

Key Factors to Consider

1. Wi-Fi Standard: For fiber optic speeds, prioritize routers with Wi-Fi 6 (802.11ax) or Wi-Fi 7 (802.11be). Wi-Fi 7 routers, like the NETGEAR Nighthawk RS700S, can handle speeds up to 19 Gbps, making them ideal for 8K streaming, AR/VR, and gaming . Wi-Fi 6 routers, such as the ASUS RT-AX86U Pro, also support multi-gig speeds and provide excellent device handling . 2. Ethernet Ports: Look for routers with 2.5G or 10G WAN/LAN ports to match your fiber plan. Multi-gig ports allow you to fully utilize high-speed fiber connections without bottlenecks . LAN aggregation can further increase wired throughput. 3. Coverage and Range: Choose a router with strong dual-band or tri-band coverage to ensure reliable connectivity across your home or office. Tri-band routers reduce congestion when multiple devices are connected simultaneously . Features like MU-MIMO and OFDMA improve performance for multiple devices. 4. Device Handling and Performance: Consider routers with high CPU and RAM, which help maintain stable speeds even with 20+ devices connected . Advanced QoS (Quality of Service) features prioritize bandwidth for gaming, streaming, or video conferencing. 5. Security Features: Routers with built-in security, such as AiProtection or NETGEAR Armor, protect against malware, hackers, and identity theft without requiring additional subscriptions . 6. Future-Proofing: If you plan to upgrade your fiber plan, select routers that support multi-gig speeds, Wi-Fi...

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