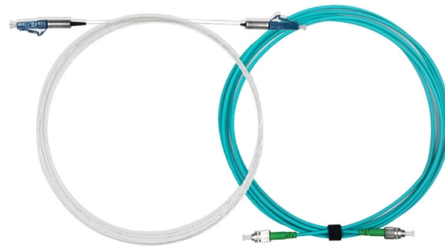


What router should I use for a 100Mbps fiber optic broadband connection



AI Overview

For a 100 Mbps fiber connection, a Wi-Fi 5 or Wi-Fi 6 router with at least 1 Gbps LAN ports and dual-band support is ideal for reliable performance and coverage. Key Considerations

Speed and Standards: Even though your fiber plan is 100 Mbps, it's recommended to use a router that supports 1 Gbps or higher to avoid bottlenecks. Wi-Fi 5 (802.11ac) or Wi-Fi 6 (802.11ax) routers are sufficient for 100 Mbps, providing stable speeds and better handling of multiple devices. Wi-Fi 6 routers also offer improved efficiency and lower latency, which is useful if you have many connected devices.

Coverage and Range: Choose a router that matches your home size. For medium-sized homes, a dual-band router with strong coverage is sufficient. For larger homes or multi-floor setups, consider a mesh system or a router with multiple antennas to eliminate dead zones.

LAN Ports: Ensure the router has at least 4 gigabit Ethernet ports for wired connections to devices like gaming consoles, PCs, or smart TVs. This ensures stable speeds for devices that require consistent bandwidth.

Security Features: Look for routers with built-in security features such as WPA3 encryption, automatic firmware updates, and optional VPN support to protect your network.

Recommended Routers

- TP-Link Archer AX21 (AX1800)** – A Wi-Fi 6 dual-band router offering up to 1.8 Gbps total speed, OFDMA and MU-MIMO for multiple devices, and Beamforming for extended coverage. Ideal for medium-sized homes with multiple devices.
- Netgear Nighthawk RS700S (Wi-Fi 7)** – While overkill for 100 Mbps, it provides future-proofing, excellent range, and multi-gigabit Ethernet ports. Suitable if you plan to upgrade your fiber plan later or need robust coverage for many devices.
- TP-Link Archer AX55** – A budget-friendly Wi-Fi 6 option with reliable performance, dual-band support, and good coverage for smaller homes or apartments.
- Mesh Syst...**

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