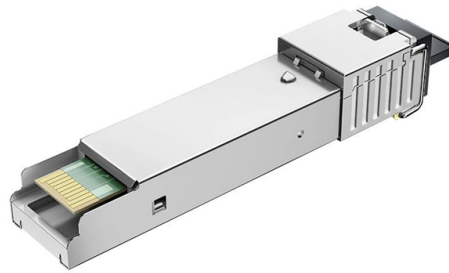


# What kind of router is used for 100 Mbps fiber optic internet



## AI Overview

For a 100 Mbps fiber optic connection, a router supporting at least 1 Gbps speeds with Wi-Fi 5 (AC) or Wi-Fi 6 (AX) standards is recommended.

**Key Considerations**

- Speed and Standards:** Even though your fiber plan is 100 Mbps, it's best to choose a router that supports 1 Gbps or higher to ensure the router does not become a bottleneck. Routers with Wi-Fi 5 (AC) or Wi-Fi 6 (AX) standards provide faster wireless speeds, better device handling, and improved coverage compared to older Wi-Fi 4 (N) routers.
- Frequency Bands:** A dual-band router (2.4 GHz and 5 GHz) is sufficient for most homes, offering a balance between range and speed. For larger homes or multiple devices, a tri-band router can help reduce congestion.
- LAN Ports:** Look for routers with at least 4 gigabit Ethernet ports to connect wired devices like gaming consoles, PCs, or smart TVs for stable performance. Some routers also support LAN aggregation, which can combine ports for higher wired speeds, though this is more relevant for multi-gig setups.
- Coverage and Device Support:** Consider the size of your home and the number of devices. Routers like the TP-Link AX1800 (Archer AX21) or NETGEAR Nighthawk RAX43 provide strong coverage and can handle multiple devices simultaneously.
- Security and Features:** Modern routers often include built-in security features, parental controls, and Quality of Service (QoS) settings to prioritize traffic for streaming or gaming.

**Recommended Router Examples**

- TP-Link AX1800 Archer AX21:** Wi-Fi 6, dual-band, 1.8 Gbps total speed, supports multiple devices, suitable for medium-sized homes.
- NETGEAR Nighthawk RAX43:** Wi-Fi 6, dual-band, strong coverage, multiple LAN ports, ideal for streaming and gaming.
- NETGEAR Nighthawk C7000-100NAS:** Modem-router combo, dual-band, supports up to 1900 Mbps, suitable for medium homes with up to 30 devices.

**Summary** For a 100 Mbps fi...

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