

How to choose a wireless router for a 100m fiber optic connection



Summary of Content

For a 100 Mbps fiber optic connection, a Wi-Fi 6 or Wi-Fi 7 router with at least 1 Gbps throughput and strong coverage is recommended.

Key Considerations

Speed and Standards: Even though your fiber plan is 100 Mbps, choosing a router that supports Wi-Fi 6 (AX) or Wi-Fi 7 ensures future-proofing and better performance for multiple devices. Routers with at least 1 Gbps throughput are sufficient to fully utilize your fiber connection. **Coverage and Range:** For a typical home or office, a dual-band or tri-band router provides reliable coverage. Tri-band routers are ideal if you have many devices or larger spaces, while dual-band routers are sufficient for smaller areas. **LAN Ports:** If you plan to connect devices like gaming consoles, PCs, or smart TVs via Ethernet, choose a router with at least 4 LAN ports. **Security Features:** Modern routers often include WPA3 encryption, firewall protection, and malware defense. Some premium models, like the NETGEAR Nighthawk RS700S, include additional security suites.

Recommended Routers

- NETGEAR Nighthawk RS700S (Wi-Fi 7)
- Speeds up to 19 Gbps, tri-band, excellent for streaming, gaming, and multiple devices
- Advanced security with NETGEAR Armor
- Ideal for larger homes or offices

Article Content

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