What kind of router is best for a 100m fiber optic connection

Overview

The Best Routers for Fiber Internet: My Expert Picks With the help of the Cybernews team, I spent hours researching and comparing the best internet routers.

Key Takeaways

For a 100 Mbps fiber connection, a Wi-Fi 5 or Wi-Fi 6 router with at least 1 Gbps LAN ports and good coverage is ideal.

Key Considerations

Speed and Standards: Even though your fiber plan is 100 Mbps, it's recommended to choose a router that supports Wi-Fi 5 (802. 11ac) or Wi-Fi 6 (802. 11ax).

These standards ensure your router can handle higher speeds in the future and provide better performance for multiple devices simultaneously.

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N Ports: Look for a router with at least 4 Gigabit Ethernet ports. This allows you to connect wired devices like gaming consoles, PCs, or smart TVs for stable and fast connections. Coverage and Range: Choose a router that matches your home size.

Dual-band routers (2. 4 GHz and 5 GHz) are sufficient for most homes, while tri-band or mesh systems are better for larger homes or multiple floors. Additional Features: Features like MU-MIMO, OFDMA, and beamforming improve performance for multiple devices and extend coverage.

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Security features such as WPA3 encryption and parental controls are also beneficial. Recommended RoutersTP-Link Archer AX21 (AX1800) – A Wi-Fi 6 dual-band router offering speeds up to 1. 8 Gbps, OFDMA, MU-MIMO, and beamforming.

Ideal for small to medium homes with multiple devices. Netgear Nighthawk RS700S (Wi-Fi 7) – High-end option with multi-gigabit support, excellent range, and advanced features. Overkill for 100 Mbps but future-proof if you plan to upgrade your fiber plan.

TP-Link Archer AX55 (Wi-Fi 6) – Budget-friendly, reliable Wi-Fi 6 router with good coverage and performance for everyday streaming, gaming, and browsing. Mesh Systems (e.g., Linksys Velop AX4200) – Recommended for larger homes to eliminate dead zones and maintain consistent speeds across multiple floors.

Summary

For a 100 Mbps fiber connection, a Wi-Fi 5 or Wi-Fi 6 router with Gigabit LAN ports is sufficient. If you want future-proofing or plan to upgrade to higher speeds, consider Wi-Fi 6 or Wi-Fi 7 routers. Ensure the router matches your home size and number of devices to maintain stable and fast connectivity.

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