

Cost-effectiveness of routers for 100Mbps fiber optic connections



Article Overview

A 100Mbps fiber optic router typically costs between \$50 and \$300, depending on features and performance.

Price Ranges

- Budget Routers (\$50-\$100): Basic models suitable for small apartments or homes. These routers provide sufficient speed for 100Mbps connections, support standard browsing, streaming, and light gaming, and usually include dual-band functionality .
- Mid-Range Routers (\$100-\$200): Offer enhanced features such as better range, faster speeds, dual-band or tri-band support, and more robust connectivity for multiple devices. These are ideal for larger homes or households with heavy internet usage .
- Premium Routers (\$200+): Designed for tech enthusiasts or gamers, these routers often include tri-band capabilities, advanced security features, extensive customization options, and high-performance processors to handle multiple devices simultaneously .

Features Affecting Cost

- WiFi Standard: Routers with WiFi 6 or WiFi 6E support are more expensive but provide faster speeds and better performance for multiple devices .
- Number of Bands: Dual-band routers are sufficient for most 100Mbps connections, while tri-band routers offer additional capacity for high-demand households

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