

All-in-one gigabit fiber optic router



Article Overview

The best 1 Gigabit fiber optic routers combine high-speed wired ports, WiFi 6 or WiFi 7 support, and robust coverage to fully utilize gigabit internet plans.

Key Features to Look For

- WAN/LAN Ports: Ensure at least one 2.5 Gbps WAN port and multiple 1 Gbps LAN ports to avoid bottlenecks and maximize wired speeds .
- WiFi Standard: WiFi 6 (802.11ax) is the baseline for gigabit speeds, while WiFi 7 (802.11be) offers higher throughput and better multi-device performance .
- Processor and RAM: A quad-core CPU with 2GB RAM or higher helps manage multiple devices and high-speed traffic without lag .
- Coverage: Look for routers with mesh support or high signal range (1,500-3,500 sq. ft.) to ensure consistent speeds throughout your home or office .
- Advanced Features: OFDMA, MU-MIMO, beamforming, and security features like SPI firewall, parental controls, and DDoS protection enhance performance and safety .

Recommended Routers

- Netgear Nighthawk RS700 (WiFi 7)
- Max data rate: 46 Gbps (future-proof)
- Ports: 1 x 10G, 4 x 1G
- Coverage: up to 3,500 sq. ft.
- Ideal for gaming, streaming, and multiple devices .
- Netgear Nighthawk RAXE500 (WiFi 6E)
- Max speed: 10.8 Gbps...

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