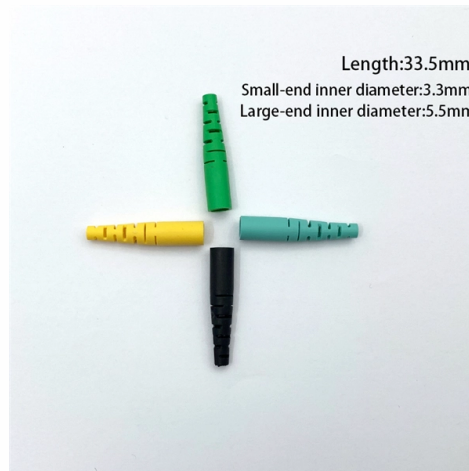


Routers for Fiber Optic Access



Article Overview

For fiber optic internet, routers with Wi-Fi 7, multi-gig Ethernet ports, and strong coverage like the Netgear Nighthawk RS700S or ASUS RT-BE86U are ideal.

Key Considerations for Fiber Routers

When choosing a router for fiber optic access, consider the following:

- **Speed Support:** Fiber plans often exceed 1 Gbps, so routers should support multi-gig speeds (2.5G, 5G, or 10G WAN/LAN ports) to avoid bottlenecks .
- **Wi-Fi Standard:** Wi-Fi 7 (802.11be) is recommended for future-proofing and maximizing wireless speeds, though Wi-Fi 6 is still sufficient for most current setups .
- **Coverage:** Ensure the router can cover your home or office size. Tri-band routers with a dedicated 6 GHz band reduce interference and maintain high speeds across multiple devices .
- **Device Capacity:** High-end routers can handle 100–200 devices simultaneously, which is important for smart homes or offices .
- **Advanced Features:** Look for LAN aggregation, VPN acceleration, AI WAN detection, and security suites like NETGEAR Armor for enhanced protection .

Top Router Recommendations

- Netgear Nighthawk Tri-Band Wi-Fi 7 Router (RS700S)
- Speeds up to 1,900 Mbps for gaming, streaming, and AR/VR.
- 10G LAN/WAN ports and four 1G LAN ports.
- Supports LAN aggregation for up to 2 Gbps wired speeds.

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