

Fiber Optic Router for Cable TV Homes



Article Overview

For homes with cable TV and fiber internet, routers like the NETGEAR Nighthawk RS700S (Wi-Fi 7) or TP-Link Archer AX55 (Wi-Fi 6) offer high-speed, reliable connectivity for streaming, gaming, and multiple devices.

Key Considerations for Fiber Homes

- **Speed and Bandwidth:** Fiber internet can deliver gigabit or multi-gigabit speeds, so your router must support Gigabit Ethernet ports and high-speed Wi-Fi standards like Wi-Fi 6 or Wi-Fi 7 to avoid bottlenecks .
- **Coverage Area:** Choose a router that can cover your home size. For example, the NETGEAR Nighthawk RS700S covers up to 3,500 sq. ft., while mesh systems like Linksys Velop AX4200 extend coverage for larger homes .
- **Device Handling:** Homes with multiple smart TVs, gaming consoles, and mobile devices benefit from routers that can manage 50–200 devices simultaneously, such as the RS700S or ASUS ROG GT-AXE16000 .
- **Wired Connections:** For cable TV set-top boxes or gaming consoles, ensure the router has multiple Ethernet ports, ideally with LAN aggregation for higher throughput .
- **Advanced Features:** Security tools like NETGEAR Armor, parental controls, and QoS (Quality of Service) help prioritize streaming and gaming traffic, ensuring smooth performance .

Recommended Routers

- **NETGEAR Nighthawk RS700S (Wi-Fi 7):** Tri-band, supports multi-gig speeds, up to 200 devices, excellent for UHD streaming and gaming

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