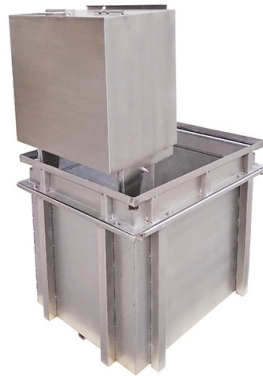


# Router in the fiber optic cable



## Article Overview

To use fiber optic internet effectively, you need a fiber-ready router that supports high-speed Gigabit or multi-gig connections and can connect via an ONT.

### Key Requirements for a Fiber-Ready Router

- **High-Speed Capability:** The router must support at least Gigabit Ethernet (1000 Mbps) to match fiber speeds, with some advanced models supporting multi-gig or 10G connections for future-proofing .
- **WAN Port for ONT:** Most fiber connections require an Optical Network Terminal (ONT) provided by your ISP. Your router should have a WAN port compatible with the ONT to receive the converted fiber signal .
- **Advanced Wireless Technology:** Routers with Wi-Fi 6 or Wi-Fi 7 provide faster wireless speeds, better coverage, and support for multiple devices simultaneously, which is ideal for streaming, gaming, or smart home setups .
- **Multiple Ethernet Ports:** For wired connections, look for routers with 2.5G or 10G LAN/WAN ports and port aggregation options to maximize bandwidth for high-demand devices .

### Recommended Routers for Fiber Internet

- **NETGEAR Nighthawk Tri-Band WiFi 7 Router (RS700S):** Offers speeds up to 1,900 Mbps, supports Wi-Fi 7, and can handle up to 60 devices simultaneously. It includes multiple gigabit ports and a 2.5G port for high-speed wired connections .
- **ASUS RT-BE86U:** Wi-Fi 7 router with a quad-core 2.6 GHz processor, capable of speeds up to 6.5 Gbps under optimal conditions. Features 10G WAN/LAN ports and dual 2.5G ports for future-proof wired connectivity ....

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## Contact Us

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