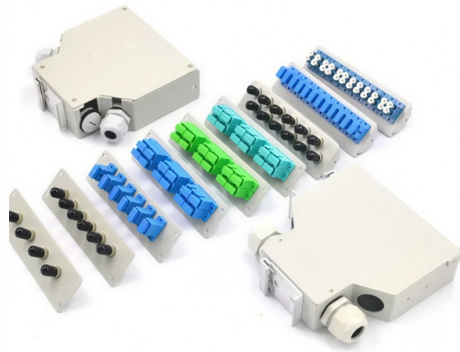


Router to Fiber Optic to Wireless Router



Article Overview

To connect fiber optic internet to a wireless router, you need an Optical Network Terminal (ONT) to convert the fiber signal, then link it to a compatible router via Ethernet.

Required Equipment

- Optical Network Terminal (ONT): Provided by your ISP, this device converts the incoming fiber optic signal into an electrical signal that your router can use .
- Fiber optic cable: Typically single-mode with SC/APC or SC/UPC connectors, connecting the wall outlet to the ONT .
- Ethernet cable (Cat6 or higher): Connects the ONT to the router's WAN or Internet port .
- Fiber-ready router: Ensure it supports high-speed data transfer, ideally Wi-Fi 6 or Wi-Fi 7, to fully utilize fiber speeds .

Step-by-Step Connection

- Install the ONT: Place the ONT near the fiber entry point in your home. Connect the fiber optic cable from the wall outlet to the ONT's optical port. Power on the ONT and wait for the status lights to stabilize .
- Connect ONT to Router: Use an Ethernet cable to link the ONT's LAN/Ethernet port to the router's WAN/Internet port. Ensure the cable is securely connected .
- Power On the Router: Turn on the router and wait for it to boot. Access the router's configuration interface via a web browser (commonly 192.168.0.1 or 192.168.1.1) to set up your Wi-Fi network .
- Configure Wi-Fi Settings: Follow the setup wizard to create your network name (S...

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