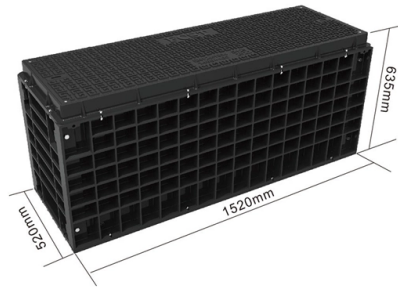


How to switch a router to fiber optic line



Article Overview

To connect your router to a fiber optic line, you need an Optical Network Terminal (ONT) to convert the fiber signal, a compatible router, and proper Ethernet connections.

Required Equipment

- Optical Network Terminal (ONT): Provided by your ISP, this device converts the incoming fiber optic light signals into electrical signals your router can use .
- Fiber Optic Cable: Typically a thin, yellow cable with SC/APC or SC/UPC connectors .
- Router: Ensure it supports fiber input via a WAN port or SFP module and can handle gigabit or higher speeds .
- Ethernet Cable: Cat6a or higher is recommended to maintain optimal speeds between the ONT and router .

Step-by-Step Connection

- Locate the Fiber Outlet: Identify where the fiber line enters your home or office.
- Connect Fiber to ONT: Plug the fiber optic cable into the ONT's designated port. Power on the ONT and wait 2-5 minutes for the status lights to stabilize .
- Link ONT to Router: Use an Ethernet cable to connect the ONT's LAN/Ethernet port to your router's WAN port .
- Power On the Router: Wait for the router's indicator lights to confirm a successful connection.
- Configure Router Settings: Access the router's admin panel via a web browser (e.g., 192.168.1.1) and enter any ISP-provided credentials if required .
- Update Firmware: Ensure both the ONT and router firmware are up to date for optimal performance and security

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