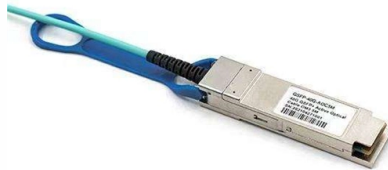


Fiber optic connection to router 6



Article Overview

To connect a router to fiber optic internet, you need an Optical Network Terminal (ONT) to convert the fiber signal, then link it to your router via Ethernet and configure the router with your ISP credentials.

Required Equipment

- Optical Network Terminal (ONT): Provided by your ISP, converts fiber optic signals into Ethernet.
- Fiber optic cable: Usually single-mode with SC/APC or SC/UPC connectors.
- Ethernet cable: Cat6a or higher recommended for high-speed data transfer.
- Router: Ensure it supports gigabit speeds or higher and has a WAN/Internet port.

Step-by-Step Connection

- Locate the fiber wall outlet: This is where the ISP's fiber line enters your home.
- Connect the fiber optic cable to the ONT: Remove protective caps, align the connector, and insert until it clicks securely. Handle the fiber carefully to avoid damage.
- Power on the ONT: Wait 2-5 minutes for the status lights to stabilize, indicating a successful connection to the ISP network.
- Connect the ONT to the router: Use an Ethernet cable to link the ONT's LAN/Ethernet port to the router's WAN/Internet port.
- Power on the router: Wait for the router's indicator lights to confirm it is online.
- Access the router's admin panel: Open a web browser and enter the router's IP address (commonly 192.168.1.1 or 192.168.0.1).
- Enter ISP credentials: Input the username and password provided by your ISP if re...

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