

Fiber Optic Router Configuration Parameters



AI Overview

To configure a fiber optic router, you need an Optical Network Terminal (ONT), a compatible router, Ethernet connections, and proper ISP settings.

Required Hardware

- Optical Network Terminal (ONT): This device converts the incoming fiber optic light signals into standard electrical signals that your router can use. It is typically provided and installed by your ISP and connects directly to the fiber wall outlet .
- Compatible Router: Ensure your router supports fiber connections, often indicated by "fiber-ready," "GPON," or an SFP/WAN port labeled for ONT input .
- Ethernet Cable: Connects the ONT to the router's WAN port to transmit data .
- Fiber Optic Cable: Usually a thin, yellow cable with SC/APC or SC/UPC connectors, linking the wall outlet to the ONT .

Physical Setup

- Connect the fiber optic cable from the wall outlet to the ONT's optical port. Handle the fiber connector carefully to avoid dirt or damage .
- Power on the ONT and wait for the status lights to stabilize (typically 2-5 minutes) .
- Use an Ethernet cable to connect the ONT's LAN port to the router's WAN port .
- Power on the router and confirm the indicator lights show a successful connection .

Router Configuration

- Access Router Settings: Open a web browser and enter the router's IP address (co...

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