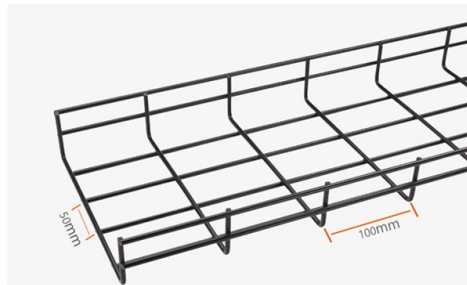


Fiber Optic Panel Router Setup Steps



AI Overview

Setting up a fiber optic router panel involves connecting the fiber cable to an ONT, linking the ONT to your router, and configuring the router's admin panel for optimal performance.

Step 1: Gather Necessary Equipment Before starting, ensure you have:

- Optical Network Terminal (ONT):** Converts fiber optic signals into Ethernet for your router. Usually provided by your ISP.
- Fiber-ready router:** Supports gigabit speeds or higher; check for SFP, SFP+, or WAN ports labeled for fiber.
- Fiber optic cable:** Typically single-mode with SC/APC or SC/UPC connectors.
- Ethernet cable:** Cat6a or higher recommended for connecting ONT to router.
- Computer or device:** For accessing the router's admin panel.

Step 2: Connect the Fiber Cable to the ONT Locate the fiber wall outlet where the ISP's fiber line enters your premises. Plug the fiber optic cable into the wall outlet and the ONT's designated port. Power on the ONT and wait 2–5 minutes for the status lights to stabilize. Place the ONT within 3 meters of the fiber entry point to minimize signal loss.

Step 3: Link the ONT to the Router Use an Ethernet cable to connect the ONT's LAN/Ethernet port to the router's WAN port. Power on the router and wait for indicator lights to confirm connectivity. For advanced setups, SFP+ modules may be used for multi-gigabit connections.

Step 4: Access the Router Admin Panel Connect a computer to the router via Ethernet or Wi-Fi. Open a web browser and enter the router's default IP address (commonly 192.168.0.1 or 192.168.1.1). Log in using the default credentials (often admin/admin) or as specified by the manufacturer.

Step 5: Configure Router Settings Navigate to WAN or network settings. Select the connection type provided by your ISP (PPPoE, DHCP, or static IP). Enter ISP credentials if required. Configure Wi-Fi settings: set a unique SSID and strong password. Adjust LAN settings: assign IP addresses and subnet masks within your network range. Enable security protocols (WPA3 or WPA2) and configure encryption keys. Save changes and restart the route...

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