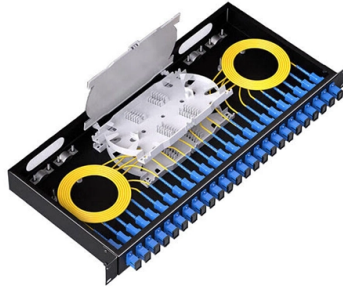


Router fiber optic connection cable



Article Overview

To connect a router to a fiber optic internet connection, you need an Optical Network Terminal (ONT) to convert the fiber signal into an electrical signal, which is then linked to your router via an Ethernet cable.

Required Equipment

- **Optical Network Terminal (ONT):** Provided by your ISP, this device converts the incoming optical signal from the fiber cable into an electrical signal compatible with your router .
- **Fiber Optic Cable:** Usually pre-terminated by your ISP, with connectors such as SC/APC, SC/UPC, or LC .
- **Router:** Ensure it has a WAN or SFP port compatible with the ONT output. High-speed routers (Gigabit or higher) are recommended to fully utilize fiber speeds .
- **Ethernet Cable (Cat5e or higher, preferably Cat6a):** Connects the ONT to the router's WAN port .

Step-by-Step Connection Process

- **Locate the Fiber Termination Point:** This is typically a wall outlet or fiber terminal installed by your ISP where the fiber line enters your home .
- **Connect the Fiber Cable to the ONT:** Carefully insert the fiber optic cable into the ONT's designated optical port. Handle the cable by its plastic housing to avoid damaging the delicate fiber .
- **Power On the ONT:** Plug in the ONT and wait for the status lights to stabilize, which may take a few minutes .
- **Link the ONT to the Router:** Use an Ethernet cable to connect the ONT's LAN/Ether...

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The fiber-optic cable connecting the ONT to the entry point is glass, so it doesn't bend like copper cable. Moving the

Contact Us

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