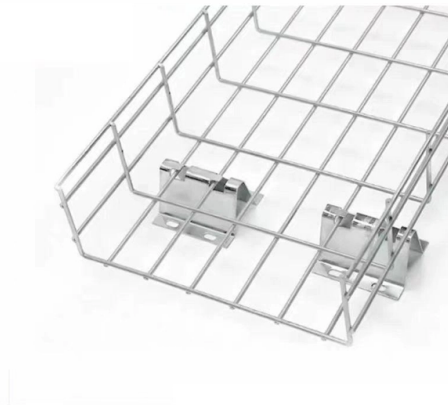


# Installation of Fiber Optic Router in Eastern Europe



## AI Overview

Setting up a fiber optic router involves connecting the ONT to your router, configuring network settings, and optimizing Wi-Fi for high-speed, low-latency internet.

### Required Components

- Optical Network Terminal (ONT): Converts fiber optic signals into Ethernet-compatible data for your router .
- Fiber-ready Router: Ensure it supports gigabit speeds or higher; models with SFP/SFP+ ports are ideal for multi-gigabit connections .
- Fiber Optic Cable: Typically single-mode with SC/APC or SC/UPC connectors .
- Ethernet Cable: Cat6a or higher to connect the ONT to the router .

### Step-by-Step Setup

- ONT Placement: Position the ONT within 3 meters of the fiber entry point to minimize signal loss .
- Connect Fiber Cable to ONT: Carefully insert the fiber cable into the ONT's designated port; improper seating can reduce signal quality by over 30% .
- Link ONT to Router: Use an Ethernet cable to connect the ONT's LAN port to the router's WAN port .
- Power On Devices: Turn on the ONT first, wait for status lights to stabilize (2-5 minutes), then power on the router .

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