

How to use Huawei fiber optic cable as a router



AI Overview

You can use a Huawei fiber optic device as a router by connecting it to an ONT and configuring it in bridge or passthrough mode, or by directly using its routing capabilities if supported.

Step 1: Understand Your Huawei Device Huawei fiber devices, such as the EchoLife HG8145V5, often function as a combination of ONT (Optical Network Terminal) and router. The ONT converts the incoming fiber optic signal into Ethernet, while the router handles IP assignment, NAT, and Wi-Fi. Some Huawei devices allow bridge mode or passthrough, which disables routing and Wi-Fi, letting a personal router manage the network.

Step 2: Connect the Fiber Optic Cable Locate the fiber optic wall outlet where your ISP's fiber enters your home. Connect the fiber optic cable to the Huawei device's fiber port. Ensure the device is powered on and the status lights indicate a stable connection.

Step 3: Configure Huawei for Router or Passthrough

Using Huawei as a router: Access the device's web interface (usually 192.168.100.1 or 192.168.1.1). Configure WAN settings, DHCP, and Wi-Fi as needed. This allows the Huawei device to handle routing directly.

Using Huawei in passthrough/bridge mode: If you want to use your own router: Check if your Huawei device supports bridge mode. Some ISP-customized firmware may hide this option. If bridge mode is unavailable, you can disable DHCP on the Huawei and connect your personal router to a dedicated LAN port (often port #4) that provides public IP passthrough. Configure your personal router's WAN port to receive the public IP from the Huawei device.

Step 4: Connect Your Personal Router (Optional) Use an Ethernet cable to connect the Huawei LAN port (or dedicated passthrough port) to your router's WAN port. Power on your router and configure its network settings. Verify that your router receives a public IP and can access the internet.

Step 5: Optimize Perfor...

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Review and Guide: Huawei Modem Fiber Optic for Home and

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ONT Meaning: What Is an Optical Network Terminal?

An ONT (Optical Network Terminal) is a device that converts fiber optic signals from your Internet provider into Ethernet signals that your home network can use. It

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Review and Guide to Huawei Router ONT: A Comprehensive

Answer: To install and configure a Huawei Router ONT for optimal performance, you need to connect the fiber-optic cable to the ONT, connect the ONT to your router, and configure the settings through

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