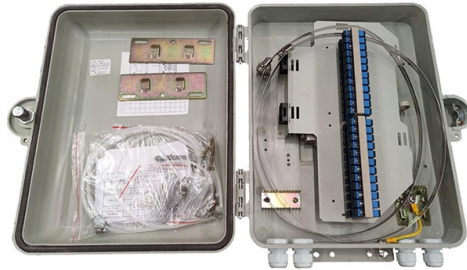


Wireless Router Replaces Fiber Optic Cable



AI Overview

You cannot directly replace a fiber optic cable with a wireless router; instead, you connect a compatible wireless router to the ISP-provided Optical Network Terminal (ONT) to distribute Wi-Fi.

Understanding the Setup

Fiber internet delivers data via light signals through a fiber optic cable. To use a wireless router, the optical signals must first be converted into electrical signals by an Optical Network Terminal (ONT), which is typically provided and installed by your ISP. The ONT acts as the bridge between the fiber line and your router.

Equipment Needed

- Optical Network Terminal (ONT) – Converts fiber signals to Ethernet.
- Fiber-ready router – Must have a Gigabit Ethernet WAN port and support your plan's speed, ideally Wi-Fi 6 or 6E for high-speed fiber.
- Ethernet cable (Cat6 or higher) – Connects the ONT to the router.
- Fiber optic cable – Already installed by your ISP, connecting the wall outlet to the ONT.

Steps to Connect Your Wireless Router

- Confirm ONT Setup: Ensure the ONT is installed, powered on, and activated by your ISP.

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How to connect a fiber optic cable to the router

Not all routers can connect directly to a fiber cable, so it is important to verify this information before continuing. 2.

Fiber Optic Router...What is it and why do you need one?

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However, setting up a fiber optic connection to your router can seem daunting if you're unfamiliar with the process. In

Contact Us

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