

Can I directly use the internet after plugging a fiber optic cable into a switch



Overview

The short answer is no - RJ45 connectors are designed for electrical Ethernet signals, while fiber optics transmit light pulses through glass or plastic. However, modern networks often combine both technologies. When switching to fiber internet, many users wonder if they're able to use their own router instead of the one provided by their internet service provider (ISP). In this guide, we'll explain router compatibility, setup steps and whether upgrading your router is necessary to maximize fiber speeds. I am thinking of getting the deco x75 pro mesh routers that offers (1)- 2.5gbps port and (2) gigabit ports. Compatible router: Verify that your router supports fiber optic input (look for an SFP or WAN port labeled). The ONT converts the light from the fiber into electrical signals that run via an ethernet cable. I am not very technically savvy. If we wanted to do this, it's my understanding we need a switch?

So all of.



Article Content

House wired for CAT5, what do I do?

One cable goes from the new switch to the incoming internet, the rest of the ports are for the cables in the terminal box to connect into. It doesn't matter which cable goes where on the switch.

Can I use my existing router with fiber?

Yes, you can often use your existing router with fiber optic internet, but there are crucial considerations. Understanding compatibility, potential limitations, and when an upgrade is necessary will ensure you ...

With a fiber ONT can I go straight into a switch? : r ...

It is possible to do this if your switch is managed and you know how to work VLANs and your router support VLANs. The term for this config is "router on a stick". It is not a good idea in general though. ...

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A typical installation is optical fiber entering the premises and being connected to an ONT (Optical Network Terminal) device. The ONT converts the light pulses to ethernet.

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How to Connect a Fiber Optic Cable to a Router

Setting up a fiber internet connection requires understanding key hardware components and following a specific connection sequence to establish your home network. This guide details the ...

How is Fiber Internet Installed? Everything You Need to Know

When providers run fiber all the way into your home, it's called Fiber-to-the-Home (FTTH). Others may only run fiber to a nearby curb, cabinet, or neighborhood node before switching to older ...

How to Connect Fiber Optic Cable to Router: A Step-by-Step Guide

However, setting up a fiber optic connection to your router can seem daunting if you're unfamiliar with the process. In this guide, we'll walk you through how to connect a fiber optic...

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Can You Use Fiber Optic Cable with RJ45?

This guide explains the key differences between RJ45 and fiber, why they cannot connect directly, and how to integrate them properly in enterprise or data center environments.

Can I Use My Own Router for Fiber Internet? | Mercury Broadband

No, fiber optic internet uses an ONT (Optical Network Terminal) instead of a modem to convert light signals into an internet connection for your router.

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