

How to connect a network terminal box with an additional port



Article Overview

You can expand a network terminal box by connecting an Ethernet switch to the main line, allowing all wall ports to become active while routing traffic through your router.

Step-by-Step Guide

1. Identify the Main Line: Locate the Ethernet cable coming from your internet provider that connects to the WAN port of your router. This is the primary source of internet for your network . 2. Choose a Switch: Select an Ethernet switch with enough ports to accommodate all the wall outlets in your apartment or home. For high-speed devices, use a Gigabit switch and ensure cables are Cat5e or Cat6 for optimal performance . 3. Connect the Router to the Switch: Run an Ethernet cable from one of the router's LAN ports to the switch. This ensures that all devices connected to the switch will be on the same network and can use router features like custom DNS or PiHole . 4. Connect Wall Ports to the Switch: In the network terminal box, connect each Ethernet cable that leads to the wall ports in different rooms to the switch. This effectively links all rooms to the router through the switch . 5. Power On and Test: Plug in the switch and router, then test each wall port by connecting a device. All devices should now have internet access and be part of the same local network .

Additional Tips

- Topology Consideration: Use a star topology where the switch connects directly to the router rather than cascading multiple switches, which can reduce network performance .

Article Content

How to Add More Ethernet Ports to Your Router

Spread the loveEthernet ports are essential for anyone who wants to connect multiple devices to their network. Unfortunately, most

Optical Network Terminal (ONT) User Guide

Connection from your ONT to your phone using your internal wiring Phone Connect a patch cable between the phone port on your

Auxiliary Port on a Cisco router

This article describes the purpose of the auxiliary port on a Cisco router. The aux port configuration is also explained in the article.

I'm trying to add more Ethernet ports but I'm not sure ...

It's called a ONT, or Optical Network Terminal. Don't try to replace that. It converts the fiber line from you ISP to Ethernet which then

networking

Typically the switch is built into the home router already - if it has a WAN port and multiple LAN ports, just connect the

Understand the Terminal Connection to a Console Port on ...

The Catalyst 6500/6000 series switches come with an accessory kit that contains the cable and adapters you need to connect a

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ethernet cable to Magic Box one end of the included Ethernet cable to the port on the Magic Box labeled ETH. Then plug the other

How To Add Ports To A Router

3. Does adding a switch to my router slow it down? No. The only time data leaves the switch is when the data packet contains a

How to add more Ethernet ports to the router

Ethernet ports to the router and expand your network like a pro? ☐☐ - Step by Step
How to add more Ethernet ports to

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