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r/ HomeNetworking



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r/HomeNetworking • 2 yr. ago

shotsallover



Just got 10gb internet at home. Looking for new wireless router recommendations.

[Advice](#)

I just got 10 gigabit fiber internet in my apartment ([Sonic.com](#)), and I'd like to upgrade my wireless router to use as much of that pipe as is feasible. (Yes, I'm aware it's a lot of bandwidth and I'm unlikely to use it all on a regular basis, but I'll never hit the max if I don't have equipment that can actually use it.)

I currently have a Netgear RAXE500 that's only connecting to the ONT at 1gbps because the ONT doesn't support 2.5gbps connections. (Weirdly, it only supports 1gb and 10gb, not 5.) So, I'm looking for a router that can at least connect to the ONT at its max speed and dole out the bits as fast as it can over the appropriate interfaces.

I've done some searching and have a few candidates. I've generally only used Netgear and Linksys wireless routers. They've been pretty reliable for me and I only upgrade every 5 to 7 years. So I'm looking for a long-term solution.

I won't need a mesh solution. Just a single WAP with some ethernet ports for wiring up a few devices.

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PoisonWaffle3 • 2y ago



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customers use.

One of my coworkers got it hooked up but hasn't done much testing on it yet. Or at least hasn't shared any findings yet. It's pretty huge and pretty shiny looking though 😄

↑ 4 ↓ ...



shotsallover OP • 2y ago

Yeah. It's enormous. It looks like it wants to be fed something more than just electricity and internet bandwidth.

↑ 1 ↓ ...



shotsallover OP • 2y ago

I'd be interested in their results though, if they have any.

↑ 1 ↓ ...



hy2rogenh3 • 2y ago

(Weirdly, it only supports 1gb and 10gb, not 5.)

This is actually not weird as 10Gb has been a standard for quite some time and those interfaces typically will negotiate at 1Gb or 10Gb. There are some specific 10Gb interfaces that will only negotiate at 10Gb too.

I would be really surprised if you can find any SOHO Wi-Fi router that will route and NAT at 10Gb.

↑ 2 ↓ ...



shotsallover OP • 2y ago

I would be really surprised if you can find any SOHO Wi-Fi router that will route and NAT at 10Gb.

I know it's early days for the tech. I'm just trying to get as much out of it as I can.

↑ 1 ↓ ...

⊕ 2 more replies



KingdaToro • 2y ago

You're going to want a dedicated router for this. I don't believe any consumer "wireless router" will actually be able to route traffic at 10 gigabit speed. Your best bet will likely be a PC running PFSense or OPNsense. It'll need two 10 gigabit interfaces, and you'll need a switch with at least one SFP+ port. More if you have any devices that can actually use the full 10 gigabit speed. And obviously you'll need an AP.

↑ 2 ↓ ...



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We're talking true consumer-level 10gb here. They're deploying equipment that customers are likely to already connections for.

And I was really hoping for a solution that wouldn't pull 400W+ of power given that I live in a state where electricity is ~30¢/kWh.

 1  ... 1 more reply**skithegreat** • 2y ago

Unifi Dream Machine Pro SE and pick the WAP that suits your needs like the Unifi6 Pro AP.

  0  ...**burgershot69** • 2y ago

The unifi 6 is still 1g backhaul

 2  ... 1 more reply 4 more replies**asws2017** • 2y ago

First off, jealous.

With that kind of speed, switches can get quite expensive. Consumer devices do not have great 10G switching ability and usually only have one or two ingress Ethernet or, perhaps if you're lucky, an SFP+ port.

If I were you, and your ISP uses a GPON or PON SFP+ adapter, I would go with a Mikrotik 10G SFP+ switch, such as the [Mikrotik CRS305](#), which is a great deal, that you can plug directly into the router. The router will see the SFP module at full speed (I did this myself on a Telus GPON fiber in Canada at my folk's place) and you can purchase egress SFP modules into a high-end WiFi 6 router or AP via Ethernet (you can get adapters for both fiber and ethernet amongst others in SFP). The Mikrotik can provide a simple bridge, or it can also provide DHCP etc.

The reason I recommend the above is that you will *also be able to use two other ports to directly plug in your PC or Laptop with a 10G adapter (i.e. Thunderbolt 3 or PCIe) and access the full speed without it being slowed down by the slower network in the home router.*

Mikrotik is a little Latvian company that focuses on commercial and prosumer networking equipment and their RouterOS or SweOS permits you do anything you want (even announcing freakin' BGP routes).

TLDR: 10G SFP+ ---> Mikrotik Switch -----> Wifi Router

-----> Direct connection to PC for crazy speeds.

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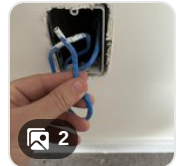
Now have over 20 devices; how do I know if I need a new router?

29 upvotes · 40 comments

 r/HomeNetworking • 23 days ago

New home Ethernet wired in rooms?

145 upvotes · 87 comments



 r/HomeNetworking • 6 days ago

Was planning on hiring someone to run ethernet through my walls. Was asked to send a photo of the network panel and the inside of a wall plate. Found string on both ends... cou...

698 upvotes · 226 comments



 r/HomeNetworking • 28 days ago

Ethernet Stress Test (Cable Torture)

586 upvotes · 76 comments



 r/HomeNetworking • 14 days ago

Last update: I'm not getting gigabit but my husband is

316 upvotes · 21 comments

 r/HomeNetworking • 2 yr. ago

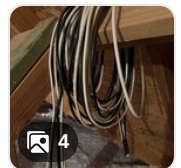
Anyone have any suggestions for a future proof router? I have 20+ devices connected to it, have a PC and a PS5 wired with 25 ft Ethernet cables and need to cover about 3000 square ft.

1 upvote · 14 comments

 r/HomeNetworking • 22 days ago

Ethernet through the attic or use this coax?

182 upvotes · 92 comments



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141 upvotes · 143 comments



r/HomeNetworking · 11 days ago

DIY Ethernet installation



102 upvotes · 36 comments



r/pittsburgh · 2 yr. ago

Is Fios 2 Gigabit Connection in Pittsburgh yet, has anyone got Verizon's newest router?

3 upvotes · 11 comments



r/HomeNetworking · 11 days ago

Any of you been CGNAT'd by your ISP?

144 upvotes · 158 comments



r/HomeNetworking · 6 days ago

Gigabit Over Thermostat Wiring lol



1.2K upvotes · 113 comments



r/ATT · 2 yr. ago

what is a good modem to buy that is compatible with ATT fiber?

3 upvotes · 9 comments



r/Spectrum · 2 yr. ago

My family currently has the 300mbps internet plan and we wanted to upgrade to the 1 gig plan. We pay \$79.99 for the 300mps plan. Upgrading to 1 gig will be \$119.99. For very high internet usage is the 1 gi...

2 upvotes · 13 comments



r/HomeNetworking · 28 days ago

Is my basic understanding of switches & routers correct? [diagrams]



241 upvotes · 75 comments



r/HomeNetworking · 15 days ago

TP-Link potential U.S. ban discussion

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Google Fiber (1 Gbps) Installation next - need help sorting out Router Options

6 upvotes · 13 comments



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New router for crowded apartment with lots of IoT devices

3 upvotes · 7 comments



r/homelab • 2 yr. ago

Building a new infrastructure - need advice for devices

2 upvotes · 8 comments



r/Spectrum • 2 yr. ago

Looking for Spectrum Compatible Modem/Router that works with OpenVPN. Clueless. Any suggestions?

5 comments



r/HomeNetworking • 22 days ago

Chase a network problem. Took me forever to figure it out

316 upvotes · 115 comments



r/HomeNetworking • 24 days ago

New house (UK)...trying to understand what's what

223 upvotes · 94 comments



r/openwrt • 2 yr. ago

Router recommendation

12 upvotes · 19 comments



r/ZiplyFiber • 2 yr. ago

Only my Netgear router works with Ziply, not newer/fancier Asus wifi6 router

3 upvotes · 21 comments



r/HomeNetworking • 2 yr. ago

Another person trying to find a router

1 upvote · 3 comments



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