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r/homelab



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r/homelab • 7 yr. ago

Spudly2319



Is it possible to run a gaming PC in a rack?

[Help](#)

Like the title says, I have a gaming PC with both an i7-8700k and a 1080ti in a standard ATX board. Both are liquid cooled with AIO coolers and I would like to keep it that way. I have two drives, a 2.5" SSD and a 3.5" HDD. Thing is desk space is at a premium, and I have a rack with only one server on it now. Would it be possible to rack the gaming computer and transfer the components to a more rack friendly case? That way I could run video cables and data cables to the desk and free up some space? Could I run a cable long enough to push 144hz to a monitor? HDMI? USB for peripherals? The distance from the rack to the desk would be about 30-40ft.

16

30



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Nerdnub • 7y ago

I've done something like what you want to do. My wife really wanted to play PC games, but wanted a console experience in the living room. So I built a gaming PC in a rackmount case (I'm fairly certain I used a Rosewill RSV-R4000 case), which is mounted in my garage enclosure/rack. I then ran two cables under the floor to my living room television: HDMI and an active USB extension cable. On the other end I put a USB 3.0 hub for peripherals (receivers for a wireless gamepad, keyboard/mouse combo, wireless headphones). For the console experience, I basically just set up the PC to boot into Steam Big Picture mode, and she can select and play games using the gamepad. For everything else, there's the keyboard/mouse combo, but she doesn't use that to play games.



22

Reply

Spudly2319 **OP** • 7y ago

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Another thought was going to be putting a GPU in an r710, just not sure if that can be done either....

  3   Reply ...**wrtcdevrydy** • 7y ago • Edited 1y ago

soup impossible gaze direful tidy selective instinctive mountainous steep bright

This post was mass deleted and anonymized with [Redact](#)

 6   Reply ...**krypticos** • 7y ago

As far as this goes I do believe you're not able to do that in the 7:10 because it only support add on cards that are 25 watt pcie lane and then the rest of the power would have to be made up by 6pin power

 2   Reply ... 1 more reply**krypticos** • 7y ago

Yes you could the issue would be transferring video and accessories over something. If you watch linustechtips he did this with his personal servers at home and ran everything through a optical Thunderbolt 3 cable I think. Maybe it was Thunderbolt 2 either way. Or you could do everything through Steam in-home streaming or Nvidia stream. Just depends on what you're wanting to do or wanting in General

 3   Reply ... 1 more reply**ReArmedHalo** • 7y ago

Absolutely! I'm actually planning on doing this myself next year (hopefully!). Check out Linus's personal rig update back in 2015 for a decent example. <https://www.youtube.com/watch?v=moCmcPDkDac&t=786s>

  3   Reply ...**[deleted]** • 7y ago

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2 Reply ...

1 more reply

**gartral** • 7y ago

get a rack shelf and you can put whatever you damn well please in the rack! :P

2 Reply ...

**RulerOf** • 7y ago

Buy a rack mount case. You can find them on Newegg. They'll take normal ATX components. Or just buy a rack shelf and stand it up. Either way will work.

Don't Dick around with streaming. Go to monoprice.com and just buy the thickest cables they sell that your monitor can connect with. If it supports DisplayPort and hdmi then literally go with whatever is thicker of the two that is long enough. Get a usb extension cable with an active repeater if the run is more than 10 meters. You might need to buy a USB sound card if you plan on using speakers.

1 Reply ...

3 more replies

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**r/homelab** • 5 mo. ago

Rack mountable gaming PC case?

53 upvotes · 25 comments

**r/homelab** • 7 days ago

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r/homelab • 8 mo. ago

[dumb question] gaming pc in a server rack. playable from anywhere in the house?

86 upvotes · 88 comments



r/homelab • 4 mo. ago

Moved the PC to the rack

263 upvotes · 54 comments



r/homelab • 9 mo. ago

rack mounted pc?

5 upvotes · 7 comments



r/homelab • 5 mo. ago

Finally upgraded from 1 Mini PC... To 3 (plus a rack and nas)! 🤔

226 upvotes · 21 comments



r/homelab • 4 mo. ago

What do I need to buy to put my server/switch in this rack?

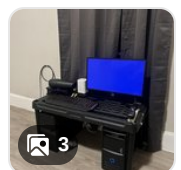
25 upvotes · 10 comments



r/homelab • 2 mo. ago

My rackless home lab

129 upvotes · 21 comments



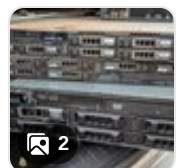
r/suggestapc • 1 yr. ago

[suggestion] Which prebuilt gaming pc is upgradable, have the best thermal and doesn't overheat?

1 upvote · 8 comments



r/homelab • 2 mo. ago

Pictures of Server racks from work

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My own Home Lab Rack



775 upvotes · 31 comments



r/homelab • 1 mo. ago

Can I use a "studio rack" for my home lab?



90 upvotes · 43 comments



r/homelab • 2 mo. ago

Help me organize my server rack



73 upvotes · 11 comments



r/pcmasterrace • 2 mo. ago

First gaming pc

3 upvotes · 1 comment



r/pcmasterrace • 6 mo. ago

Blue Screens - Game Crashes - RAM Error message in blue screen - (Skytech Nebula Gaming PC) (~\$750)

2 upvotes · 10 comments



r/GamingPCBuildHelp • 4 yr. ago

My PC won't start!

8 comments



r/buildapc • 6 mo. ago

Is building your own PC cheaper than buying one?

406 upvotes · 376 comments



r/buildapc • 12 days ago

Just made my new "super" gaming pc

48 upvotes · 117 comments



r/buildapc • 6 mo. ago

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 r/buildapcsales • 1 yr. ago

[Case] Rosewill 4U Server Chassis 11 Bay Server Case - \$127.94 (\$185-31% off Free ship)

91 upvotes · 43 comments

 r/computers • 2 mo. ago

Gaming pc

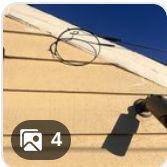
5 comments



 r/homelab • 25 days ago

A little bit of home lab upgrades.

120 upvotes · 7 comments



 r/homelab • 2 mo. ago

My server rack... kind of

313 upvotes · 40 comments



 r/buildapc • 6 days ago

800 dollars for 1080p gaming is a joke.

39 comments

 r/pcmrr • 2 mo. ago

Is this upgradeable?

8 comments



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