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r/Thunderbolt



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r/Thunderbolt • 3 yr. ago

Lyckster



Thunderbolt 4 dock with 4k@120hz? (with DisplayPort 1.4)

Hi. I just got a Samsung CRG9 to use with my M1 Max Macbook Pro 2021.

I also bought a Thunderbolt 3/4 to Displayport 1.4 cable from Uni which can handle up to 8k@60 or 4k@120

https://www.amazon.com/gp/product/B09D7SJFG5/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1

and if I plug this cable directly into my MacBook pro and into the monitor. I can get 5120x1440 resolution at 120hz (almost the same amount of pixels as a normal 16:9 4k display)

However, if I use my existing dock (which is only Thunderbolt 3) I can only get 5120x1440 at 60hz.

I'm trying to find a dock that can handle 4k@120hz via a thunderbolt to display port 1.4 cable.

All the most known docks seem to be limited to a single monitor at 4k@120.

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plague_of_gophers • 3y ago

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the CRG9 at half the refresh rate. This is however not uncompressed RGB, and displays at 4:2:2 chroma subsampling.

If you look for any dock that advertises itself as 5k capable it should fit the bill (this would indicate that it is DP 1.4). Looking at the M1 compatibility page on CalDigit's website they indicate two docks that can do a minimum of 1x 5k60 - the TS3 Plus and the TB4 Element hub.

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mashimarohaquasuna • 3y ago

a lil bit late to the convo, but do you mind sharing if the MBP connects to the peripherals that are connected to the CRG9? Thinking of running the same setup, but without a dock.

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BoxEasy4370 • 3y ago

Is the usb c to dp cable connected to the dock or to the second port of the MacBook?

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FakespotAnalysisBot • 3y ago

This is a Fakespot Reviews Analysis bot. Fakespot detects fake reviews, fake products and unreliable sellers using AI.

Here is the analysis for the Amazon product reviews:

Name: USB C to DisplayPort Cable [8K@60Hz, 2K@240Hz], uni USB Type C to DP 1.4 Cable 6ft, [32.4 Gbps, Thunderbolt 3/4 Compatible] with MacBook Pro 2021/Air 2020, Mac Mini, iPad Pro, iMac, S20, XPS 15

Company: Visit the uni Store

Amazon Product Rating: 5.0

Fakespot Reviews Grade: F

Adjusted Fakespot Rating: Insufficient reliable reviews

Analysis Performed at: 11-16-2021

[Link to Fakespot Analysis](#) | [Check out the Fakespot Chrome Extension!](#)

Fakespot analyzes the reviews authenticity and not the product quality using AI. We look for real reviews that mention product issues such as counterfeits, defects, and bad return policies that fake reviews try to hide from consumers.

We give an A-F letter for trustworthiness of reviews. A = very trustworthy reviews, F = highly untrustworthy reviews. We also provide seller ratings to warn you if the seller can be trusted or not.

[Skip to main content](#)[Log In](#)**shansoft** • 3y ago

Thunderbolt 3 have 2 different variant. Titan ridge and Alpine ridge. Titan ridge is the only one support DP1.4. Most recent Titan Ridge dock supports it except a few such as the one from Plugable, which they hard limit the bandwidth to half. Practically any TB4 dock will support 4K120hz, since they all come from the same reference design. I have used Kensington TB4 docks and it works, which have the same exact design as Razer, just different shell. I did find an odd issue where my screen occasionally just randomly turn black on my 4K120hz monitor when going through thunderbolt, but not my other 4K60hz. Not sure if it's firmware issue or some sort of interference on high bandwidth.



1



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**Rhoran** • 3y ago

I purchased this KVM switch recently but have not set it up yet.

<https://store.level1techs.com/products/14-kvm-switch-dual-monitor-2computer>

I needed to connect my M1 Max Macbook Pro and my Windows desktop to my dual monitor setup with support for 4K HDR at 120Hz and this was exactly what I was looking for!

Hope this helps.



1



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**russelg** • 3y ago

Sorry to message you so far from when you made this comment, but have you had luck with this setup?

I have nearly the same config as you (same KVM, except only 1 4k 120hz monitor), and I have issues with the signal on macOS. Constantly dropping out, fuzzing, display not receiving signal at all. Have you experienced any of the same?



1



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**Southern-Taro** • 3y ago

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<https://www.startech.com/en-au/cards-adapters/tb3cdk2dh>

scroll down and have a look at the table on the page and you will see it says it supports -

Thunderbolt with DP 1.4 (nVidia Graphics) On 4K (3840x2160) [u/144Hz](#)

I have been scouring the internet and so far I have only been able to find the above

but its reallly expensive.

this user was able to get a 120hz from an 8k rated usbc to DP1.4 cable from a dell WD19TB dock (specifically the middle port) - <https://www.dell.com/community/XPS/4K-at-120Hz-on-XPS-9300-WD19TB-Acer-XB273K-4K144hz/td-p/8062161>

Im considering ordering one of these two docks and hoping it will work -

<https://www.amazon.com.au/Targus-Thunderbolt-Docking-Delivery-DOCK221USZ/dp/B0875X195Z>

<https://www.amazon.com.au/WAVLINK-DisplayPort-Thunderbolt-Charging-Ethernet/dp/B07T2RW54X>

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lordsharaf • 2y ago

To my surprise I just got my LG 27GN950 running at 4K 120HZ through the TB passthrough of an old Elgato TB3 dock I got for \$40. It did require an M1 MBA though - my 2019 MBP 16" could only do 60HZ through it. I did also have to update the monitor's firmware to be able to disable DSC - with it on, even the M1 could only do 95HZ.

The 6-year old TB chipset (Alpine Ridge) the dock is built around is only supposed to support passing through DP 1.2 speeds regardless of host capabilities, but it seems M1 keeps delivering miracles even to this day :)

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chlebta • 2y ago

Will this dock targus 190EUZ to get 120hz for 1440p ?

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Thunderbolt 5 docks?

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6 upvotes · 25 comments



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Any experience with the Amazon Basics Thunderbolt 4 dock?

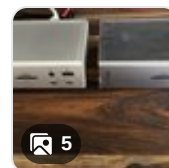
5 upvotes · 6 comments



r/CalDigit • 8 mo. ago

CalDigit TS4 vs Thunderbolt 4 Pro Dock (Apple Version)

22 upvotes · 16 comments



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Thunderbolt 5 Dock Lists

8 upvotes · 31 comments



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9 upvotes · 24 comments



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Thunderbolt 4 Hub now or wait for Thunderbolt 5 hub?

10 upvotes · 13 comments



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Discrete Thunderbolt 5 add in cards - 3 x DisplayPort Inputs!

8 upvotes · 32 comments



r/CalDigit • 8 mo. ago

Has the new Apple T4 Pro Dock already been discontinued?

4 upvotes · 8 comments

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9 upvotes · 26 comments



r/FlowX16 • 3 mo. ago

XG Mobile 5090 is Thunderbolt 4/5 rather than proprietary port...

13 upvotes · 23 comments



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OWC released its first Thunderbolt 5 hub.

27 upvotes · 25 comments



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Lenovo USB-C Dock Gen2 (ThunderBolt 3) - Cannot get 4k @ 60Hz on a single screen

2 upvotes · 11 comments



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USB-C PSU mod

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r/Commodore • 8 mo. ago

Project HDMI complete!

36 upvotes · 6 comments



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[Memdock G2] Atrociously priced USB hub

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Catalina 10.15.6 - 5500 XT - 120hz 4k into LG OLED C1 try-hard.

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