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r/UsbCHardware • 1 yr. ago

Gaycel68



USB 3.2 Gen 2x2 cable

Question

Is there such a thing as USB 3.2 Gen 2x2 cable, and if so, how is it different from USB 3.2 Gen 2 cable?

Judging by the table <https://people.kernel.org/bleung/now-how-many-usb-c-to-usb-c-cables-are-there-usb4-update-september-12> by u/LaughingMan11, there's no such cable, but I sometimes see them advertised <https://www.amazon.com/USB-Cable-MacBook-Pro-Thunderbolt/dp/B0B1J7YXHP>

What is this cable? Is it just CC3G2?



3



5



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rayddit519 • 1y ago • Edited 1y ago



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The technically precise description would be to just name the speed, so Gen 1, Gen 2, Gen 3. What is done with those cables (USB3, USB4, DisplayPort, something entirely different and custom) and how many wires inside of it are actually utilized is the business of the host and client.

Since USB3 10G uses half the high-speed wires and USB3 20G uses all of them, but each at the same speed, cables advertised for USB3 10G and USB3 20G are synonymous, as long as they follow the specs.

*: there are caveats for fiber-optic cables.

And yes, that makes both of them CC3G2 in that table.

And according to the current guidelines of the USB-IF, those cables should be advertised simply as "USB 20G"-capable. Just like with the power ratings, where customers are supposed to be able to rely on every slower/ lesser number to be covered by the higher numbers.

4 [Reply](#) ...



starburstases • 1y ago

So all USB-C cables that can do USB3 can always do the x2 modes

Is this true? Do you mean all USB-IF certified full-featured cables have all wires populated? I certainly have a handful of cables that do not populate all USB3 pairs, but I can't say they're USB-IF certified.

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chx_ • 1y ago • Edited 1y ago

To recap, Gen 3.2 2x2 means two lanes are used for 10gbit/s USB transmit and two lanes are used for 10gbit/s USB receive. (It's still just USB not a bus like TB3/USB4, it's just sent over two lanes instead of one.)

Now, the specification for cables do not discern between lanes, it's always about all four lanes. They can be missing, capable of transmitting 5gbps, 10gbps or 20gbps (for the USB4 bus).

Thus a Gen 3.2 Gen 2 and a Gen 2x2 cable are the exact same.

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Wonderful-Ant-3307 • 9mo ago

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USB 3.2 Gen 2x2 1port can i use a usb hub and use 2 ssd's instead of 1 ssd only and still get good speeds between these 2 ssds?

SSd i probably will buy is the xs2000 2TB SSd external its supposed to be a USB 3.2 Gen 2x2 SSD`?

and the 2nd is the xs1000 2tb external i already have...

Will the speeds trnsfering between these 2 ssds be good or will it be horrible if i use 1 usbc USB 3.2 Gen 2x2 for both of them and use it?

I hope i explained it so u aúnderstand what i mean(1usb c port for usage of 2 external ssds?)

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HDCP 2.2 over USB-C to DP Not Working

4 upvotes · 12 comments



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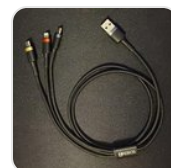
What are the high-quality names in USB these days?

184 upvotes · 123 comments



r/UsbCHardware • 23 days ago

Are these 3-in-one type of cables safe for devices? I use them fixed on my desk so i can easily charge airpods, phone, kindle, wireless keyboard etc. without swapping cables.



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USB 3.2 Gen 2 DisplayPort cable compatibility

1 upvote · 1 comment



r/UsbCHardware • 3 yr. ago

How to check USB version of a USB-C cable?

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r/buildapc • 1 yr. ago

Do I need a usb 2.0 to usb 3.2 gen 1 header adapter?

1 upvote · 10 comments

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2 upvotes · 12 comments



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Will USB 3.2 Gen 2x2 header work with USB 3.2 Gen 2 plug?

1 upvote · 4 comments



r/buildapc • 5 mo. ago

A USB 3.2 Gen 2 to USB 3.2 Gen 1 header adapter is required

1 upvote · 4 comments



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This is the only 3.2 Gen 2 10-foot cable I've found that supports 100W PD, any other recommendations?

3 upvotes · 10 comments



r/UsbCHardware • 3 mo. ago

USB 3.2 Gen 2x2 Cable and dock recommendations?

2 upvotes · 8 comments



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Why do you use a 20Gb usb-C port

11 comments



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USB-C (Named Lightning 20G?) Not detecting HDMI via HUB

1 upvote · 2 comments



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Usb 3.2 Gen 2 2x2 to Gen 2?

2 upvotes · 3 comments



r/linux_gaming • 5 days ago

are USB 2.0 to USB 3.2 Gen 1 Header Adapter a viable option for the front panel connection?

3 upvotes · 25 comments



r/computers • 1 yr. ago

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Can Thunderbolt 4 use USB 3.2 Gen 2x2 to its full potential?

29 upvotes · 56 comments

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Will a 20Gbps 3.2 Gen 2x2 cable make this setting work? (pic inside)

1 upvote · 6 comments

 r/buildapc • 2 yr. ago

USB 3.2 gen 2x2 Capability?

2 upvotes · 7 comments

 r/UsbCHardware • 1 yr. ago

Do all USB-C 3.2 Gen 2 ports support data transfer, Power Delivery, and DisplayPort @4K-60Hz?

1 upvote · 6 comments

 r/buildapc • 1 mo. ago

Assistance with Case port compatibility with Mobo "Usb 3.2 Gen 1 to Usb 3.2 Gen 2 Adapter"

27 comments

 r/GamingLaptops • 1 yr. ago

USB 3.2x1 vs USB c 3.2x2 sata to usb cable?

1 upvote

 r/buildapc • 1 yr. ago

USB 3.2 gen 2x2 port to case connector question

1 upvote

 r/UsbCHardware • 5 days ago

When I use this to charge my phone using a C-to-C cable. It always say "charging slowly". But an A-to-C cable works fine. Why?

232 upvotes · 143 comments

 r/buildapc • 4 yr. ago

I cannot, for the life of me, find a USB 3.2 Gen 2 20-pin motherboard cable

4 upvotes · 6 comments



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