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Subject: Ryzen and PARIS

Posted by [mikeaudet](#) on Tue, 12 Jul 2022 15:37:14 GMT

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I bought a Ryzen based system with a PCI card to use with PARIS, and it does not work. There's something wrong with the PCIe/PCI implementation. I spent days debugging it, but it's not a driver problem as far as I can tell. The behaviour is the same using the Virtua Via chassis, a Magma PCI-PCI chassis, and plugging an EDS card directly onto the board. There is no blue screen. The system just restarts when the driver writes to the memory on the card. It doesn't restart on the first write, but after several. I have a ticket in with ASUS, but I'm not holding my breath.

This is the motherboard that does not work:

<https://www.asus.com/ca-en/Motherboards-Components/Motherboards/CSM/Pro-B550M-C-CSM/>

I found lots of other posts online that documented people having trouble using the PCIe slots on Ryzen systems, including UAD2 cards. It looks to me like the PCIe implementation is just not quite right.

Has anyone else got a Ryzen based system working with PARIS?

I've ordered one of these:

<https://www.asus.com/Motherboards-Components/Motherboards/CSM/Pro-B460M-C-CSM/>

I should know in a week if it's going to work. I expect that it will.

After I order the B460 board, I found this:

<https://www.asrock.com/MB/Intel/B660M-HDVPD5/index.asp>

This looks even better, but I didn't see it in time.

All the best,

Mike

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Subject: Re: Ryzen and PARIS

Posted by [Will The Weirdo](#) on Tue, 19 Jul 2022 11:41:48 GMT

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Thanks for the info Mike.

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Subject: Re: Ryzen and PARIS  
Posted by [mikeaudet](#) on Sat, 23 Jul 2022 20:29:37 GMT  
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I got the Intel Core i5 10400 CPU installed on the B460 motherboard, and PARIS is working great under Windows 11. I haven't done a big stress test yet, but everything looks good.

All the best,  
Mike

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### File Attachments

1) [paris\\_window\\_11.jpg](#), downloaded 2884 times

Edit Functions Settings EQ Aux Tracks Automation

| 1          | 2          | 3          | 4          | 5          | 6          | 7          | 8          | 9          | 10         |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   |
| Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    | Hz 1000    |
| dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     | dB 0.0     |
| BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     | BW 1.5     |
| ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  | ALL EQ ON  |
| EQ ON      | EQ ON      | EQ ON      | EQ ON      | EQ ON      | EQ ON      | EQ ON      | EQ ON      | EQ ON      | EQ ON      |
| OPEN       | OPEN       | OPEN       | OPEN       | OPEN       | OPEN       | OPEN       | OPEN       | OPEN       | OPEN       |
| L 100      | R 100      | L 100      | R 100      | L 100      | R 100      | L 100      | R 100      | L 100      | R 100      |
| SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  |
| 1          | 2          | 3          | 4          | 5          | 6          | 7          | 8          | 9          |            |
| 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |
| R A E      | R A E      | R A E      | R A E      | R A E      | R A E      | R A E      | R A E      | R A E      | R A E      |
| REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO | REC L-AUTO |

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Microsoft Edge  
Thunderbird  
Oracle VM VirtualBox

install\_old  
install\_works

OpenVPN GUI  
Adobe Audition 3.0  
ProcessExp...

DebugView...  
Michael - Chrome  
allOfThem...  
PARIS\_ASIO...

Subject: Re: Ryzen and PARIS

Posted by [Will The Weirdo](#) on Sat, 23 Jul 2022 21:00:02 GMT

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Mike, are you using a particular version of Windows 11?

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Subject: Re: Ryzen and PARIS

Posted by [mikeaudet](#) on Sat, 23 Jul 2022 21:47:02 GMT

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I'm using Windows 11 Education edition, but I wouldn't expect the version to matter.

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Subject: Re: Ryzen and PARIS

Posted by [mikeaudet](#) on Sat, 23 Jul 2022 21:55:40 GMT

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I just found this board, if anyone is looking. It has two PCI slots.

<https://www.asus.com/ca-en/Motherboards-Components/Motherboards/PRIME/PRIME-B460-PLUS/>

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Subject: Re: Ryzen and PARIS

Posted by [Kim W.](#) on Mon, 06 Feb 2023 09:14:45 GMT

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What do you think of this one, Mike?

I bought it NOS from China, and a Core I5 8500 processor for my new build.

<https://www.asus.com/motherboards-components/motherboards/prime/prime-h310-plus-r2-0/>

Do you have any thoughts? I haven't built it yet. Have to buy a new case.

Happy new year, Mike. Thanks for all your hard work over the years.

Kim

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Subject: Re: Ryzen and PARIS

Posted by [steeleyz](#) on Mon, 06 Feb 2023 16:06:04 GMT

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Thanks everyone!

I am still struggling with costs vs what will work solidly

I am quite frustrated about which direction to take before forking out.

I still lean towards the ADEK company, which will make a custom 4 PCI slot MB.

but it's pricey, like a \$1700 complete system with great hardware specs, but no chassis

which I already have a rack-mount one. I also have an SBS PCI expansion rack, but like this post

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is centered on,  
I'm leary of whether to use that.

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Subject: Re: Ryzen and PARIS  
Posted by [mikeaudet](#) on Mon, 06 Feb 2023 17:37:15 GMT  
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That looks like a great find, Kim. Three PCI slots on a modern motherboard is unheard of.

This is the one that I wish I had bought. I basically have the mini ATX version of it, and I am super happy with it.

<https://www.asus.com/ca-en/motherboards-components/motherboards/prime/prime-b460-plus/>

Keep me posted on your build!

All the best,  
Mike

Edit: I see I posted that already. Oops!

I'm still using my Virtua Via chassis, and it's fantastic.

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Subject: Re: Ryzen and PARIS  
Posted by [Kim W.](#) on Tue, 07 Feb 2023 10:56:47 GMT  
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For anyone interested, here is the link.

<https://www.ebay.com/itm/193870300158>

It only has two memory slots, so maxes out at 32GB of DDR4 RAM. Also, requires a 7th or 8th generation processor. It won't do 9th or beyond. Still... a good option for three EDS cards without an external chassis.

I will report on my build when I get to it.

Cheers,  
Kim.

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Subject: Re: Ryzen and PARIS  
Posted by [mikeaudet](#) on Tue, 07 Feb 2023 13:11:18 GMT  
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Thanks, Kim! I'm sure it will be a monster PARIS setup. :)

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