Subject: Ryzen and PARIS
Posted by mikeaudet on Tue, 12 Jul 2022 15:37:14 GMT

View Forum Message <> Reply to Message

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/Motherboa rds/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/CS M/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

Subject: Re: Ryzen and PARIS
Posted by Will The Weirdo on Tue, 19 Jul 2022 11:41:48 GMT

View Forum Message <> Reply to Message

Thanks for the info Mike.

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.
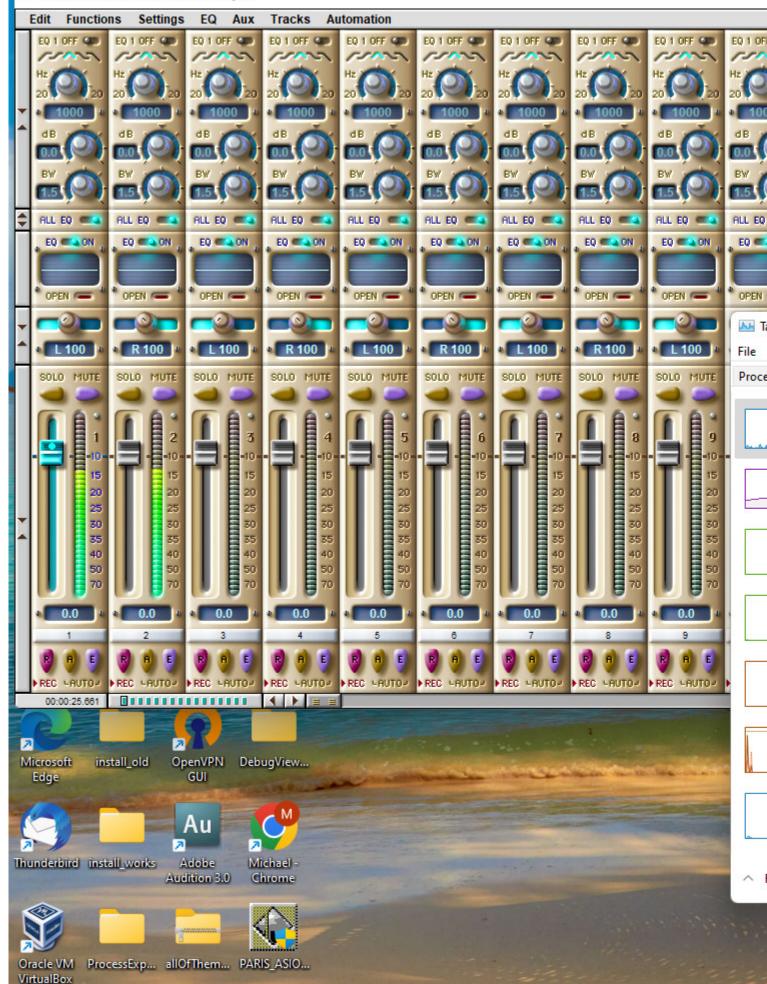
All the best,
Mike

File Attachments
1) paris_window_11.jpg, downloaded 3688 times

Edit   Functions   Settings   EQ   Aux   Tracks   Automation

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 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20 | Hz 20 ... 20

1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 100

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 | ALL EQ | ALL EQ | ALL EQ | ALL EQ | ALL EQ | ALL EQ | ALL EQ | ALL EQ | ALL EQ

EQ ON | EQ ON | EQ ON | EQ ON | EQ ON | EQ ON | EQ ON | EQ ON | EQ ON | EQ

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

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

-10 -10 -10 -10 -10 -10 -10 -10 -10

15 20 25 30 35 40 50 70

0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

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 AUTO | REC AUTO | REC AUTO | REC AUTO | REC AUTO | REC AUTO | REC AUTO | REC AUTO | REC AUTO

00:00:25.661

Ta

File

Proce

Microsoft Edge

install_old

OpenVPN GUI

DebugView...

Thunderbird

install_works

Au
Adobe Audition 3.0

Michael - Chrome

Oracle VM VirtualBox

ProcessExp...

allOfThem...

PARIS_ASIO...

Subject: Re: Ryzen and PARIS
Posted by Will The Weirdo on Sat, 23 Jul 2022 21:00:02 GMT
View Forum Message <> Reply to Message

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

Subject: Re: Ryzen and PARIS
Posted by mikeaudet on Sat, 23 Jul 2022 21:47:02 GMT
View Forum Message <> Reply to Message

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

Subject: Re: Ryzen and PARIS
Posted by mikeaudet on Sat, 23 Jul 2022 21:55:40 GMT
View Forum Message <> Reply to Message

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/

Subject: Re: Ryzen and PARIS
Posted by Kim W. on Mon, 06 Feb 2023 09:14:45 GMT
View Forum Message <> Reply to Message

What do you think of this one, Mike?
I b ought it NOS from China, and a Core I5 8500 processor for my new build.
 https://www.asus.com/motherboards-components/motherboards/pr ime/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

Subject: Re: Ryzen and PARIS
Posted by steeleyz on Mon, 06 Feb 2023 16:06:04 GMT
View Forum Message <> Reply to Message

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

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

Subject: Re: Ryzen and PARIS
Posted by mikeaudet on Mon, 06 Feb 2023 17:37:15 GMT
View Forum Message <> Reply to Message

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/motherboa rds/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.

Subject: Re: Ryzen and PARIS
Posted by Kim W. on Tue, 07 Feb 2023 10:56:47 GMT
View Forum Message <> Reply to Message

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.

Subject: Re: Ryzen and PARIS
Posted by mikeaudet on Tue, 07 Feb 2023 13:11:18 GMT
View Forum Message <> Reply to Message

Thanks, Kim! I'm sure it will be a monster PARIS setup. :)