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Subject: Can anyone remind me? Are the EDS cards 5v or 3.3v?

Posted by [Kim W.](#) on Thu, 27 May 2021 11:44:34 GMT

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I thought I had my new system running smoothly with an ExSys 1031 expansion chassis with 4 EDS cards.

Then I loaded a 48 track project, and Paris choked. I'm guessing that maybe a 1X PCI-E card just can't supply the data throughput required by the four EDS's.

I noticed on the PCI-E card some jumpers that can switch the voltage to 3.3volt, "NC" (which I assume is 5 volt). and 12 Volt.(Didn't want to go there...)Whilst we are at it, does anyone remember how much power (in Watts) each EDS card draws? I would have thought the 250 Watt inbuilt power supply in the ExSys could cope with four EDS cards.

Any Clarification would be appreciated.

Cheers,

Kim

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Subject: Re: Can anyone remind me? Are the EDS cards 5v or 3.3v?

Posted by [Rich.Kelley](#) on Sat, 29 May 2021 01:23:09 GMT

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I run 5 cards through a 13 slot Magma. I put in an after market 600W, fanless supply. The EDS cards get HOT. I never realized how hot they got until I was testing the system with the Magma

Others know more, but my first guess is that the 250W supply is not sufficient.

Rich

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Subject: Re: Can anyone remind me? Are the EDS cards 5v or 3.3v?

Posted by [Kim W.](#) on Sat, 29 May 2021 10:39:12 GMT

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Thanks Rich.

I suspect that you are right about the power supply.

Most old motherboards automatically selected the PCI card voltage requirements.

Do you happen to know if the EDS cards are 5 volt or 3.3 volt?

I have rolled back to my old AMD Phenom II system with four PCI slots and installed enough fans to cause a blizzard.

At least it appears stable for now, albeit VERY noisy. Yes, those EDS cards get very hot, as do the two NVIDIA NVS290 PCI-E cards that drive my four 24" monitors. (I know, it sounds like overkill, but I like to see what's going on with each submix easily).

Cheers,

Kim

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Subject: Re: Can anyone remind me? Are the EDS cards 5v or 3.3v?

Posted by [Wayne](#) on Tue, 08 Jun 2021 15:46:19 GMT

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Hi Kim,

I tried 4 EDS in the ExSyx 1031 with a PCI board in my XP 32-bit box and a PCI-e board in my Win7-64 bit box. Paris burped and sputtered pretty bad in the XP and was basically unusable but marginally stable in the Win7 box. I moved the expansion box from studio to studio as needed. I took out an EDS so the expansion ran 3 EDS. Both systems extremely stable, so it's what I run. I think I'm running a 480w ps in the expansion but everything is boxed up at the moment (another couple months) because my wife and I moved from Las Vegas to Cleveland, Texas to retire and be next door to the kids and grand kids. Life is beautiful but our home is in remodel mode as we build out (enclose) the porch into a studio room and fix plumbing, electrical and replace flooring also.

Hope it helps,  
Wayne

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Subject: Re: Can anyone remind me? Are the EDS cards 5v or 3.3v?

Posted by [Kim W.](#) on Sun, 13 Jun 2021 08:52:56 GMT

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Thanks Wayne.

That is exactly what I was experiencing.

I'm going to put the EXSYS PCI backplane in another enclosure with its own 550 watt power supply, and see how it goes.

Cheers,  
Kim

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Subject: Re: Can anyone remind me? Are the EDS cards 5v or 3.3v?

Posted by [mikeaudet](#) on Mon, 30 Aug 2021 14:39:32 GMT

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The EDS cards are definitely 5 volt cards.

According to my tests, they draw roughly 20 watts each.

I hope this helps.

Mike

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