
Subject: ? anyone using an EDS 1000 in a PCI 2.3 spec slot successfully ?

Posted by [Aaron Allen](#) on Sat, 10 Mar 2007 03:10:48 GMT

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Would rather not smoke my EDS :)

Subject: Re: ? anyone using an EDS 1000 in a PCI 2.3 spec slot successfully ?

Posted by [Diana](#) on Tue, 13 Mar 2007 03:47:47 GMT

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I'm assuming you're asking this because of an earlier post I made on this subject so I thought I'd answer you since you answered my questions before :)

The easy answer to your question is:

No, I personally have NOT tried a 2.3 and I've concluded that anything above Revision 2.2 is a risk.

However, I can share some thoughts with you and start you off with some good info.

Read (it's only 3 pages):

http://www.lavalink.com/fileadmin/newsletters/link_12_02.pdf

So far, this is the most informative paper I've read on this subject.

Take special note of page 3, there are the pics showing the physical characteristic (slot groove profiles) of 5 volt, 3.3 volt, and Universal Keyed.

You will notice that the EDS is clearly a 5 volt keyed card, so the slot type of the MB you choose is very important.

The paper seems to contradict itself, making the statement, "However, before you feel you should start throwing out 5 volt PCI cards, it should be noted that at this time the PCI 3.0 Revision explicitly DOES NOT supersede Revision 2.3, which does include 5 volt keyed PCI connectors."

Okay, now you're probably thinking, "huh?!?"

Well, believe it or not, I think I may have a theory!

In my quest to build the phattest comp possible that would still be capable of running Paris I decided that the easiest (tho not cheapest) option would be to put my 4 EDS's in a Magma.

So, in the process of researching Magma PCI compatibility at the Mobility Electronics website, I read that if you plan to use a 3.3 volt card, you could buy these optional cables that basically channel the x-tra 'overflow' voltage safely away from the 3.3 card so as to not over-volt it.

Adding that together with what the attached paper says about PCI Revision 2.3, I figure that you must be able to somehow channel x-tra voltage TO a 5 volt card in a similar manner.

I would guess either directly off the PS (tho, other than a Molex right by the slot - I dunno how) or, using some kind of adapter (bridge).

I think that's what the paper is insinuating?

Again, I have never actually seen one of these 'adapters' so I'm just speculating here.

If I've understood this wrong, or you have a different idea, please, let me know.

For the truly adventurous, I guess if you wouldn't mind spending around a hundred bucks on an experiment, you could try finding another (old & cheap) 5 volt card and popping it into a 2.3 slot.

Unfortunately, since the card would be drawing MORE voltage than the MB could provide, I assume it would blow the MB and leave the card intact.

But again, I wouldn't dream of trying it with an EDS, as it could just as easily damage both the card and MB.

If you ever figure it out, please let me know.

Until then, this will simply be added to my vast list of The Great, Unanswered Questions!

Good Luck ;)
