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Subject: need help with hardware

Posted by [Romaner](#) on Tue, 06 Nov 2007 17:19:18 GMT

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ok so this friday i got myself new parts: asus m2n32- sli deluxe, amd 5200 x2 cpu/w heatsink and fan, 1gb ddr2 800 azen ram, and evga 8500gt video card with its own fan but it has no heatsink the fan is mounted on the card itself.

i am told this is done like that by the manufacturer.

i put it all into my older case with 400w psu and 2 side fans already on it.

now my problem is if i play any game that is even somewhat demanding after about an hour or so it gives me a blue screen with some error messages that i dont have time to read and reboots the computer.

i have monitored my temps and it tells me that my cpu is at 52-57C, which is 126-135F. my mobo is around 47-52C, 117-126F, and my gpu (which im guessing is my vid card?) is around 62-65C, 144-149F.

now im lost, i dont know what could be the cause of this. i have win xp home edition. i downloaded the dvidia control center, which tells me it wants to fine tune all the components and i tried letting it do that but it freezes up in the very end and doesnt get shit done.

i think my problem is it is overheating or i have bad ram. but if i can play for an hour straight and not have a problem im leaning towards the overheating part.

any help or suggestions are appriciated

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Subject: Re: need help with hardware

Posted by [The Elite Officer](#) on Tue, 06 Nov 2007 17:51:34 GMT

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IT Is your OS to slow get proffessional or vista Anyway I don't think you have average cooling ability. What specific problems are you having EXC turns off, frezzes, crashes, or closes.

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Subject: Re: need help with hardware

Posted by [JPNOD](#) on Tue, 06 Nov 2007 18:07:17 GMT

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Quote:i put it all into my older case with 400w psu and 2 side fans already on it.

Specifications of the Powersupply?.

Run a program like Orthos. It doesn't stress your video card, but it does stress the PC in overall. If a component is malfunctioning then it should give a error soon.

<http://sp2004.fre3.com/beta/beta2.htm>

So pretty much, monitor the PC while running Orthos.

With program's like speedfan, see if anything occurs. Also turn off restart after bluescreen (advanced system properties) write down the error code.

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Subject: Re: need help with hardware  
Posted by [mrpirate](#) on Tue, 06 Nov 2007 18:14:53 GMT  
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The Elite Officer wrote on Tue, 06 November 2007 12:51IT Is your OS to slow get proffessional or vista

Don't post if you don't know what you're talking about.

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Subject: Re: need help with hardware  
Posted by [Romaner](#) on Tue, 06 Nov 2007 18:21:52 GMT  
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JPNOD wrote on Tue, 06 November 2007 11:07Quote:i put it all into my older case with 400w psu and 2 side fans already on it.

Specifications of the Powersupply?.

Run a program like Orthos. It doesn't stress your video card, but it does stress the PC in overall. If a component is malfunctioning then it should give a error soon.

<http://sp2004.fre3.com/beta/beta2.htm>

So pretty much, monitor the PC while running Orthos.

With program's like speedfan, see if anything occurs. Also turn off restart after bluescreen (advanced system properties) write down the error code.

what would i be looking at in the power supply? i mean it worked fine for the last 2 years with amd 4000+ and asrock mobo. and the way i have all the power consumption calculated it should be around 350w at full load.

i will still try it once i get home from work, and report back to ya. prob be tomorrow your time though seeing as you are from europe.

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Subject: Re: need help with hardware  
Posted by [Carrierll](#) on Tue, 06 Nov 2007 18:51:09 GMT  
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If you go to

(This assumes XP Home, ,it's the thing JPNOD suggested, by the way)

Start > Control Panel > (advanced view) > System > "Advanced" tab > Startup and Recovery --> Settings

Decheck "Automatically restart", hit OK, then press Apply/OK on the System properties tab. Next time, it should give you the full error message, write that down and tell it to us. At a guess, it's a memory error caused by under-power or overheating.

Your GPU is the processor found on the graphics card. It stands for "Graphics processing unit". Nice guess.

My call is that the GPU is overheating, 63-65 degrees C is pretty high. Check that GPU fan is working. The other two temps are a little high, my P4D runs at 40-50 and my motherboard at 35-40. I don't know what AMD's natural running temperatures are, though.

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Subject: Re: need help with hardware  
Posted by [Romaner](#) on Tue, 06 Nov 2007 19:59:49 GMT  
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yeah thats what i thought was my problem... i will make sure to do all this when i get home. the thing is i dont really see how i can fit more fans into this case aside from opening the side panel and putting a real house fan to blow on it. well i will mess around with it when i get home tonight and see how it goes.

thanks for the help.

edit: after talking to a few more helpful people i decided i am most likely looking at a bigger case with a better psu, i think they suggested around 500-600w

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Subject: Re: need help with hardware  
Posted by [Caveman](#) on Tue, 06 Nov 2007 20:05:28 GMT  
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CarrierII wrote on Tue, 06 November 2007 18:51  
My call is that the GPU is overheating, 63-65 degrees C is pretty high. Check that GPU fan is working. The other two temps are a little high, my P4D runs at 40-50 and my motherboard at 35-40. I don't know what AMD's natural running temperatures are, though.

My GFX underload runs at 96-98c, its idling now at 68c and i've just reinstalled WinXP.

@ Romaner, unless you have a top quality 400w PSU you're not getting 400w from it constantly, its probably only giving you something like 320w then spikes to 400w.

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Subject: Re: need help with hardware  
Posted by [Zion](#) on Tue, 06 Nov 2007 20:11:29 GMT  
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My first 7900GS (AGP) was defective. A manufacturing issue and the fan rubbed against the heatsink cover. A few hours later, while it was just idling, i heard a loud 'pop' from my computer and the screen froze. I shut it down, and opened the case to notice a large scotch mark on the graphics card and an electrolytic capacitor rolling around the case. It literally blew up inside my computer, so i sent that back.

The card i got to replace it, was another 7900GS (same model), but half the GPU has burnt itself and displays incorrect images. Luckily there's two DVI ports on the back so i just swapped them and used the other half of the core.

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Subject: Re: need help with hardware  
Posted by [sadukar09](#) on Tue, 06 Nov 2007 20:14:10 GMT  
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Try adding extra case fans, they cost less and can help greatly.

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Subject: Re: need help with hardware  
Posted by [light](#) on Tue, 06 Nov 2007 20:33:38 GMT  
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sadukar09 wrote on Wed, 07 November 2007 09:14 Try adding extra case fans, they cost less and can help greatly.  
Unless the issue is power, in which case they will hinder.

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Subject: Re: need help with hardware  
Posted by [sadukar09](#) on Tue, 06 Nov 2007 20:38:29 GMT  
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light wrote on Tue, 06 November 2007 14:33sadukar09 wrote on Wed, 07 November 2007 09:14Try adding extra case fans, they cost less and can help greatly. Unless the issue is power, in which case they will hinder. Yes, I suppose that's true, but a 400Watt PSU should run all those hardware will around 100-75Watt leftover.

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Subject: Re: need help with hardware  
Posted by [Romaner](#) on Tue, 06 Nov 2007 21:12:36 GMT  
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well the way i see it, for the lack of better knowledge i will estimate that my cpu is sucking about 2times the normal single core power since its dual... so about 150-200w to be on the high side, then i got the vid card around 100w since the fan runs off the card itself. then i got sata hd, dvd rw 3 fans as it is. and ram. mayb 400w is chocking it for real.

so i have decided to upgrade to a bigger more powerful case/psu combo.  
<http://www.bcom.ab.ca/store/product.php?productid=318327&cat=0&page=1> tell me what you think.

also please no topic highjacking. im sorry for your gfx exploding but im trying to keep this on topic. which is to fix my comp b4 something simmilar happens to me ty

edit: it sounds like this has a better air flow than my case which is pretty old. so i think it might be a solution for both my power and my temp problems.

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Subject: Re: need help with hardware  
Posted by [Caveman](#) on Wed, 07 Nov 2007 00:24:09 GMT  
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Before you go spend out money, i'd just like to add that if it was a power failure that it would happen alot sooner then one hour into game.

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Subject: Re: need help with hardware  
Posted by [Chuck Norris](#) on Wed, 07 Nov 2007 06:02:08 GMT  
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In my experience, lack of power will USUALLY be evident in three ways, but I'm not saying it's limited to these three ways.

1. Your PC is under full load when turned on. When everything is screaming "I NEED POWER!" and your power supply doesn't meet that, it fails. That's why a lot of power supply failures happen at startup. That's when everything is under full load.

2. It crashed to the desktop (while gaming).

3. It restarts (while gaming).

You may have a lack of power, but if that's a quality 400 watt PSU, it should power that hardware. I'm guessing there's another issue. The GPU temp is fine, and I don't know if AMD CPUs run warm or no, but the motherboard and CPU seem a bit on the warm side to me. Not sure if an overheating CPU or motherboard can cause the BSOD though.

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Subject: Re: need help with hardware

Posted by [Zion](#) on Wed, 07 Nov 2007 12:29:31 GMT

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For me, and my "lack of power" experience, while I was gaming the screen would just cut out and go black, system still running.

The graphics card (7900GS) required a PSU of 350W, but I only had a 250W PSU, so I got a 400W PSU and it was fine then, until it exploded due to overheating.

You have a bigger and better graphics card than my 7900GS, which means it will require more power to run. I would highly recommend getting at least a 500W PSU.

If it still does the same thing, your graphics card may be defecting so send it back and get a replacement.

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Subject: Re: need help with hardware

Posted by [Romaner](#) on Wed, 07 Nov 2007 15:40:35 GMT

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so last night when I got home and actually sat down and read my motherboard manual.

It states: "for a fully configured system, we recommend that you use a power supply unit that provides a minimum of 600w."

"however, a 500w atx supply has been tested on this motherboard and it meets the requirements of this motherboard with the following hardware:

amd fx-62

1024 mb ddr2-800 (x4)

nvidia 7900gtx

sata hard disk (x2)  
and dvd-rw."

and right now there is a sale for the antec sonata 3 cases in a computer store by my house, which come with a high efficiency 500w psu.

so seeing how i have hardware that requires less than this tested hardware pulls, i figured i should be fine.

i mean in any case this case comes with a psu for 110\$ and it has way better airflow than what my current one has, and if i still end up needing more power i can always buy another psu down the road.

hopefully this solves my problem, i didnt have time to run it all last night since by the time i finished transferring all the hardware from my old rig to the new one it was almost 1am. i will probably update this tonight if everything goes well.

edit: another question i had is, the chipset for the mobo and the video card are both nvidia, and it downloads this nvidia control center (or panel) which keeps prompting me to run its fine tune feature so it determines how hard to push all the components or whatever. now im wandering if i should do this now with my new case and better psu? or should i leave it all as is incase if this stress test makes it go over my psu capacity and crash it all over again?

oh and chuck, this was evident to me on the 2nd day which was sunday

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Subject: Re: need help with hardware  
Posted by [JPNOD](#) on Wed, 07 Nov 2007 18:17:54 GMT  
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so what 400watt is in right now? If it is a none quality one then you can't go wrong by buying a Antec one. A good psu is the basis of the reliable stability of a pc.

Also did you run the orthos stress test? And if so did you notice anything strange, did it crash after an hour>

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Subject: Re: need help with hardware  
Posted by [Romaner](#) on Wed, 07 Nov 2007 20:57:35 GMT  
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the 400w psu was a bottom of the line one. and after reading the manual and being told to go no lower than 500w i decided there is no point in powering it on and stressing it even more. also from what i remember from my electrical courses in college.

the capacitors on the board are meant to stabilize the waveform of the voltage and the current. so then the most likely reason for the board to be overheating while working in under wattage condition is because the capacitors are working way to hard to stabilize the rectified dc, and my shitty psu isnt capable of supplying constant wattage/ voltage.

so i came to the conclusion that im actually frying the board by running it in this condition, and making it overheat because of the extra work all the components are doing.

and i dont want to loose this mobo so thats why i decided to not even bother powering it on with this psu. instead im going to power it on when i get home tonight and having it connected to the new psu that i have in this sonata case.

then i will be free to perform all the stress tests and observations i need.

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Subject: Re: need help with hardware

Posted by [Romaner](#) on Thu, 08 Nov 2007 16:32:47 GMT

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update:

so i put all the components into the new case, the performance has increased drastically. the temps went down to about 48C for mobo, cpu at 53C and gpu at 57C all at full load.

however it still fucked up when i started playing dungeon siege2 after about 15-20 mins. gave me a blue screen and rebooted. sigh i forgot to go into the advance sys menu and change it so it doesnt reboot. lol

so i will post it tonight after i make it crash again.

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Subject: Re: need help with hardware

Posted by [Chuck Norris](#) on Thu, 08 Nov 2007 17:32:39 GMT

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PSU recommendations are often overstated to account to low quality ones. A "normal" 500 watt PSU is probably only a crappy quality 400 watt one that can peak to 500 watts. You'd be surprised what 400 watts will power, maybe even 350. 95% of people would easily get by with a quality 500 watt PSU.

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Subject: Re: need help with hardware

Posted by [The Elite Officer](#) on Thu, 08 Nov 2007 19:43:50 GMT

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mrpirate wrote on Tue, 06 November 2007 13:14The Elite Officer wrote on Tue, 06 November 2007 12:51IT Is your OS to slow get professional or vista

Don't post if you don't know what you're talking about.

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I do know what I am talking about nub.

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Subject: Re: need help with hardware

Posted by [Romaner](#) on Thu, 08 Nov 2007 19:47:38 GMT

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Chuck Norris wrote on Thu, 08 November 2007 10:32PSU recommendations are often overstated to account to low quality ones. A "normal" 500 watt PSU is probably only a crappy quality 400 watt one that can peak to 500 watts. You'd be surprised what 400 watts will power, maybe even 350. 95% of people would easily get by with a quality 500 watt PSU.

well thats what i got right now is the antec 500w high efficiency psu. so it should not be the psu anymore. it cant be the temps since the are all normal now. i updated my vid card drivers to the latest ones. i have yet to do the same for my mobo since all the bios and drivers were installed from the cd that came with it.

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Subject: Re: need help with hardware

Posted by [mrpirate](#) on Thu, 08 Nov 2007 20:15:48 GMT

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The Elite Officer wrote on Thu, 08 November 2007 14:43mrpirate wrote on Tue, 06 November 2007 13:14The Elite Officer wrote on Tue, 06 November 2007 12:51IT Is your OS to slow get professional or vista

Don't post if you don't know what you're talking about.

I do know what I am talking about nub.

No you fucking don't, so shut up. Mind explaining what it is about Vista that makes it "faster" (haha) than XP? Or why XP Professional is "faster" than XP Home? Do you even know what an operating system does? I don't think you do. So get the fuck outta here, dipshit.

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Subject: Re: need help with hardware

Posted by [Carrierll](#) on Thu, 08 Nov 2007 20:19:15 GMT

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More politely put, what you posted was not relevant, nor correct. It was useless.

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Subject: Re: need help with hardware  
Posted by [Romaner](#) on Fri, 09 Nov 2007 15:32:01 GMT  
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update:

after updating my gfx drivers i have managed to play for over an hour and nothing crashed. the temps are still around normal.

but now i got another question, in my motherboard manual it lists brands and numbers like stock numbers i think of certain ram stick. am i limited to those sticks only? cause then i got to get my ram exchanged, or can i put whatever i want in there provided its the right frequency ofcourse. since right now i have 1g of azen ddr2-800. but in the manual it doesnt even mention the name azen lol. its all crossfire kingston like all the good brands (yeah i got a deal on this azen ram so i bought it )

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Subject: Re: need help with hardware  
Posted by [Carrierll](#) on Fri, 09 Nov 2007 17:17:16 GMT  
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That list is what will certainly, always work. Other stuff might, or might not. I tend to ignore it, most retailers let you return RAM because of the weird random compatability issues.

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Subject: Re: need help with hardware  
Posted by [Romaner](#) on Fri, 09 Nov 2007 18:33:39 GMT  
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hmm well i just noticed that the same store has a sale on kingston 2gb dual kit, so im prob going to bs them and return this ram so i can get the kingston instead

but as of right now it seems the problems are fixed... knock on wood lol

thanks for the help

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