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Subject: New Music Computer Recommendation needed  
Posted by [Stephen Stecyk](#) on Tue, 07 Feb 2006 20:13:05 GMT  
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I'm in the process of building a new computer, and am in desperate need of some recommendations. I'm was thinking about going AMD Opteron as a CPU, but am unsure if the money would be well spent. Would there be any noticeable differences between the 200 and the 800 series? I'm probably going to go with a single cpu, perhaps a dual core. The whole thing is becoming very confusing. Anybody out there have suggestions? Price isn't too much of an issue, but not total out there.

Stephen

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Subject: Re: New Music Computer Recommendation needed  
Posted by [Chris Ludwig](#) on Tue, 07 Feb 2006 22:19:29 GMT  
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Hi Stephen,

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For a Opteron dual socket cpu there are the single core chips up to the 254. The dual core Opteron chips start at version 265.

Is this for the Paris? If so it will not work.

If not then it will be easy.

What software and sound card are you using or plan to use?

Do you are you planning on using any UAD and/or TC Power core PCI cards?

Are you doing any sampling/VSTi work or mainly audio mixing and editing?

Feel free to give me a call.

Chris

Stephen Stecyk wrote:

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Chris Ludwig

ADK Pro Audio  
(859) 635-5762  
www.adkproaudio.com  
chrisl@adkproaudio.com

---

Subject: Re: New Music Computer Recommendation needed  
Posted by [Stephen Stecyk](#) on Wed, 08 Feb 2006 02:32:42 GMT  
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---

Hi Chris,

I'm running a single CPU Athlon MP 2800 for my Paris rig, and wanted to upgrade my Nuendo machine (presently running 2 Athlon MP 1900).

I have one RME HDSP 5296 in my Nuendo computer, and have plans on getting the Lynx AES16 as well. I'm running running one TC Powercore Firewire between the two computers, with a PowerCore Unplugged in each. The Nuendo computer is running Windows XP pro. I aslo am running GigaStuiodo from the Nuendo computer. Primarily, the Nuendo computer will be mixing and editing.

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"Chris Ludwig" <chrisl@adkproaudio.com> wrote in message  
news:43e91e04\$1@linux...

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Subject: Re: New Music Computer Recommendation needed

Posted by [LaMont](#) on Wed, 08 Feb 2006 09:18:42 GMT

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---

Hi Chris,

Question: Why does'nt the Dual Core Processors work with Paris?

Reason; My Asus N-force 2 board flaked out. So, I just ordered new Gigbyte mobo(939 socket-N-force3) with Dual core Opteron 165..

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Subject: Re: New Music Computer Recommendation needed

Posted by [rick](#) on Wed, 08 Feb 2006 10:00:52 GMT

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i thought the apps had to be written to recognize dual procs and divide the work load.

On 8 Feb 2006 19:18:42 +1000, "LaMont" <jjdpro@ameritech.net> wrote:

>

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Subject: Re: New Music Computer Recommendation needed  
Posted by [Kim](#) on Wed, 08 Feb 2006 12:10:14 GMT  
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---

No dual processors work with Paris. Indeed as I understand it that's why you need to turn Hyperthreading off on P4's... because it's kinda similar to dual processors.

The code just doesn't gel with it.

Cheers,  
Kim.

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Subject: Re: New Music Computer Recommendation needed  
Posted by [Mike Audet](#) on Wed, 08 Feb 2006 13:54:09 GMT  
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Actually, Kim, I'm using a dual Athon just fine. It's just the C16 code that doesn't like two processors, and I don't have any.

All the best,

Mike

"Kim" <hiddenounds@hotmail.com> wrote:

>  
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>you need to turn Hyperthreading off on P4's... because it's kinda similar  
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Subject: Re: New Music Computer Recommendation needed  
Posted by [Chris Ludwig](#) on Wed, 08 Feb 2006 14:06:59 GMT  
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Hi Stephen,  
Ahh Ok good. Glad you not trying to get Paris to run on it.  
CPU performance between the same clock speed X2 and Opteron chips is  
pretty much neck and neck. The benefits on the dual OPteron machines,

multiple PCI busses, faster memory performance. YOU will also be able to use up to 16 gigs of ram which is nice. You will also be able to use dual core Opteron chips in it so you will have 4 cpus.

Nuendo will not be able to use the Lynx and RME at the same time so I'm not sure what you plan is with that. If you occasionally need to use AES you would be better of just getting a RME DD4 or DD8 format converter for that. Also expect Gigastudio to give you some headaches also sense it doesn't properly support dual cpus. It will work but I would expect so growing pains. The TC should be fine with this setup.

I would not do the Dual core Opterons is you are using Gigastudio. If you don't use Giga then go for it is you can afford it. NUendo will use all four cpus.

The only motherboards for the Opterons worth getting are the TYan s2885 and s2895 models. If you are gonn use duak core cous then you will wanna get the Zalman 9500 heat sinks. Also only use you memory in groups of 4 i.e., 2 gigs = 4x 512, 4 gigs = 4x 1024 ram. YOU will get NUMA memory support which give you 10gigs/sec instead of the normal 5 gigs. Oh and at least a 550 watt EPS power supply. YOU also have to use XP SP2 on the OPterons to get the most out of them for the memory support.

Chris

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Chris Ludwig

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Subject: Re: New Music Computer Recommendation needed  
Posted by [Chris Ludwig](#) on Wed, 08 Feb 2006 14:16:43 GMT

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---

HI,

C-16 issues mostly.

If you are using the new board make sure you flash to newest bios as soon as you get windows installed. Also use the newest Nvidia chipset drivers from Nvidias web site. You will need to use the AMD X2 processor driver also.

You should check the new board for any signs of it being a refurb. The Nforce 3 boards have been out of production for almost a year. Pretty much vendors are just sell thru left over stock and getting refurbs from Gigabyte.

Chris

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Subject: Re: New Music Computer Recommendation needed  
Posted by [LaMont](#) on Wed, 08 Feb 2006 17:52:03 GMT  
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Subject: Re: New Music Computer Recommendation needed  
Posted by [Chris Ludwig](#) on Wed, 08 Feb 2006 18:19:14 GMT  
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Hi Lamont,  
That chip will work on the 939 mobos but you will still have to make  
sure you update the BIOS.

Chris

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Subject: Re: New Music Computer Recommendation needed  
Posted by [LaMont](#) on Wed, 08 Feb 2006 21:10:46 GMT  
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---

Thanks!!

Chris Ludwig <chrisl@adkproaudio.com> wrote:

>HI Lamont,

>That chip will work on the 939 mobos but you will still have to make

>sure you update the BIOS.

>

>Chris

>

>

>LaMont wrote:

>> Thanks Chris,

>> Actually I ordered a Opteron Dual core 165, not a X2-dual core. The Opteron

>> should work, since it's a 939 socket??

>>

>>

>>

>> Chris Ludwig <chrisl@adkproaudio.com> wrote:

>>> HI,

>>> C-16 issues mostly.

>>> If you are using the new board make sure you flash to newest bios as

>>> soon as you get windows installed. Also use the newest Nvidia chipset

>>> drivers from Nvidias web site. You will need to use the AMD X2 processor

>>

>>> driver also.

>>>

>>> You should check the new board for any signs of it being a refurb. The

>>> Nforce 3 boards have been out of production for almost a year. Pretty

>>> much vendors are just sell thru left over stock and getting refurbs from

>>

>>> Gigabyte.

>>>

>>> Chris

>>>

>>>

>>> LaMont wrote:  
>>>  
>>>> Hi Chris,  
>>>> Question: Why doesn't the Dual Core Processors work with Paris?  
>>>> Reason; My Asus N-force 2 board flaked out. So, I just ordered new Gigabyte  
>>>> mobo(939 socket-N-force3) with Dual core Opteron 165..  
>>>>  
>>>> Thanks  
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>>>> Chris Ludwig <chrisl@adkproaudio.com> wrote:  
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Subject: Re: New Music Computer Recommendation needed  
Posted by [Stephen Stecyk](#) on Thu, 09 Feb 2006 00:37:00 GMT  
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Hi Chris,

First of all, thanks so very much for taking the time to enlighten me - it  
is GREATLY appreciated.

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Stephen

"Chris Ludwig" <chrisl@adkproaudio.com> wrote in message  
news:43e9fc12\$1@linux...

> Hi Stephen,

> Ahh Ok good. Glad you not trying to get Paris to run on it.

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> pretty much neck and neck. The benefits on the dual OPteron machines,

> multiple PCI busses, faster memory performance. YOu will also be able to

> use up to 16 gigs of ram which is nice. You will also be able to use dual

> core Opteron chips in it so you will have 4 cpus.

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> not sure what you plan is with that. If you occasionally need to use AES

> you would be better of just getting a RME DD4 or DD8 format converter for

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> i.e., 2 gigs = 4x 512, 4 gigs = 4x 1024 ram. YOu will get NUMA memory

> support which give you 10gigs/sec instead of the normal 5 gigs.

> Oh and at least a 550 watt EPS power supply. YOu also have to use XP SP2

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Subject: Re: New Music Computer Recommendation needed

Posted by [Chris Ludwig](#) on Thu, 09 Feb 2006 01:34:25 GMT

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Hi Stephen,

PCI-E is/will be the replacement for PCI. It has a much higher bandwidth than PCI or PCI-X. YOU'll mainly see high powered devices like video, audio and drive controllers being used for PCI-E slots. Magma is releasing a PCI-E to PCI card for use with the current Magmas. It still in the testing stages though. Most all sound card and DSP card makers will see PCI-E version of current stuff and/or new devices all together by the end of the year.

I would advice getting the version of the board without the on board SCSI if you really need to have SCSI us your card or get one of the new PCI-E based ones. The on board SATA controller work great.

Chris

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