
Subject: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Thu, 28 Feb 2008 06:52:33 GMT
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Who all is running Quad here?

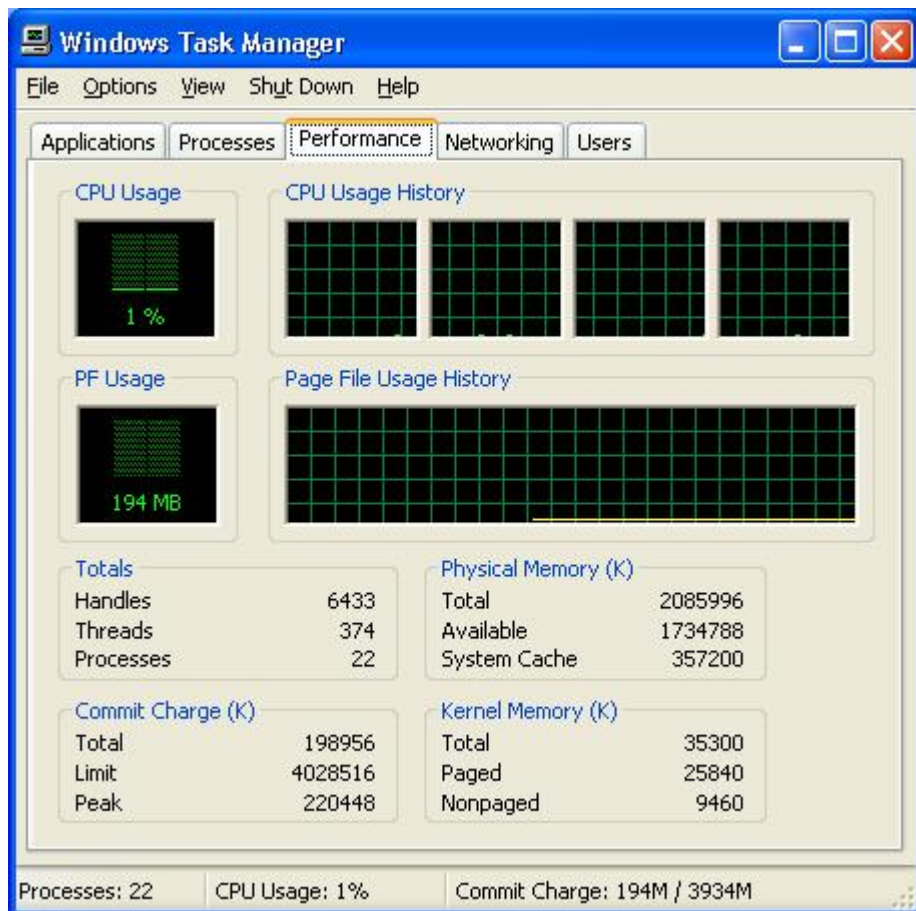
I just loaded my new pc up with WinXP, SP1. From BIOS boot/disk insert to Windows installed welcome screen took 16 minutes. Can a get a Fresh Prince ShaLamm! Updates and whatnot's coming (it'll be on the net), but I'm looking for what to expect in the way of latency, plugs and track counts. SATA 250GB system and 400GB data, 2 GB RAM. This machine will be my 'everyday' box, streaming movies, music and handling most of my song building. I'll mix elsewhere, but this little dude is the workhorse for building/virtual synths and schlepping video render stuff when I have time for that.

Has anyone noted a major change from single or dual core tech to Quad core in regards to latency in native rigs?

Any great audio or video rendering benchmarks out there to try? Keep in mind, I'm using onboard Intel Graphics 8 (yuk) MB shared, so I'm not trying to test the video card, only rendering capability.

File Attachments

1) [DontH8Me.JPG](#), downloaded 175 times



Subject: Re: quad core questions: Who's using 4 core?
Posted by [Chris Ludwig](#) on Thu, 28 Feb 2008 15:55:27 GMT
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Hi Aaron,

If you want to get the most out of it then these will help.

Run SP2 especially if you gonna be using for internet stuff.
Don't install IE7 yuck!! In fact uninstall fricking IE and Out look and install fire fox and thunder bird. But don't do that until you use IE6 to download em. :)

You will probably need to install dot net 1 and 2 but only need to install 3 if you have any vista machine in your network.

These hot fixes are for multi-core Intel cpus.

Microsoft hot fix:
KB896256

Microsoft hot fix:

KB936357

Make sure you are using the newest BIOS and latest drivers for the motherboard, especially the on board video.

Which on board video card chip does your motherboard have? 8 meg seems way too low. Does it have hardwired memory and then shared past that?

Chris

Aaron Allen wrote:

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Chris Ludwig

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

Subject: Re: quad core questions: Who's using 4 core?
Posted by [EK Sound](#) on Thu, 28 Feb 2008 16:32:12 GMT

Along this topic... what's the biggest bang for the buck right now for MB and Chip?? Our Nuendo machine is in need of an upgrade....

Thanks,

David.

Chris Ludwig wrote:

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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Dedric Terry](#) on Thu, 28 Feb 2008 16:40:43 GMT
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(Gigabyte may be another good choice).

I heard the Core 2 Quads were on sale for as low as \$199 recently - down to
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"EK Sound" <ask_me@nospam.net> wrote in message news:47c6e4b2@linux...

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Subject: Re: quad core questions: Who's using 4 core?

Posted by [Neil](#) on Thu, 28 Feb 2008 17:31:22 GMT

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Chris Ludwig <chrisl@adkproaudio.com> wrote:

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>way too low.

No kidding - I don't think 8Megs is even enough for waveform redraws if you're running a couple dozen tracks.

Neil

Subject: Re: quad core questions: Who's using 4 core?

Posted by [Aaron Allen](#) on Fri, 29 Feb 2008 03:20:48 GMT

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.....

"Chris Ludwig" <chrisl@adkproaudio.com> wrote in message news:47c6dc15@linux...

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Very cool. Since I will use the box for IT, net surfing, audio and video I just loaded everything from MS Updates. The box still idles at (gulp) 0% CPU usage and about 300~350 MB of Ram usage. I'll check that these two KB fixes were on that list - thank you for the great tip there

> Make sure you are using the newest BIOS and latest drivers for the
> motherboard, especially the on board video.

Yes, it has the newest revision on it.

>
> Which on board video card chip does your motherboard have? 8 meg seems way
> too low. Does it have hardwired memory and then shared past that?
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I think you hit it on the head. it has two numbers listed in the BIOS, one is 8 MB (this must be the Intel chip onboard memory) and another selectable option at 128 and 256 MB I believe it was, that is the 'shared' section.... I'll double check that. Vid res on the dual outs will hit 1280 x 1024 so far.. haven't pushed anything past that as it's auto detecting my 19" screens.

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> Chris Ludwig

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

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Fri, 29 Feb 2008 03:27:53 GMT
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well, I took a different approach than I usually would and bought a mini chassis Shuttle - the SG31-G2. PCi-E and PCi slot, one of each. I'll use a FW audio card (TI chipset, 2 ports!) and the video is built in. I've seen the Q6600 for about \$250 in several places and I'm completely impressed so far with that performance. I've been spanking it like a cheap rented donkey all day, multi tasking it's little butt off and I've managed to push it up to 50% CPU so far (stuff like downloading MS updates, installing Anti Spyware and doing a A/V scan while surfing the web and moving files across a network all at the same time). I'm not sure how Nuendo's multi core support is, so I'm not sure what kind of bump you'll see though. If it helps, the whole thing inclusive of RAM, CPU, bare bones, 2 HDDs and DVD-9 lightscribe drive ran me right about \$700 US. I overpaid on the CPU by about \$50 but I wanted it from a local vendor and I wanted it now. I'd supposed this super quiet little box would work well with a Magma PCI-e, but I couldn't verify that - if that's how your Nuendo is indeed set up.

That help any?

AA

"EK Sound" <ask_me@nospam.net> wrote in message news:47c6e4b2@linux...
> Along this topic... what's the biggest bang for the buck right now for MB
> and Chip?? Our Nuendo machine is in need of an upgrade....

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Fri, 29 Feb 2008 03:29:56 GMT
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I'll be finding all this out later tonight once I get dinner made. Hadda work late again :(
Hey, if you've got any favorite benchmarks for audio, throw me a URL and I'll bang 'em down on this lil beastie and post some info.

AA

"Neil" <OIUOIU@OIU.com> wrote in message news:47c6e1da\$1@linux...
>
> Chris Ludwig <chrisl@adkproaudio.com> wrote:
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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Fri, 29 Feb 2008 05:34:36 GMT
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- Always had good luck with Asus and Gigabyte either one FWIW.

AA

"Dedric Terry" <dterry@keyofd.net> wrote in message news:47c6e72a@linux...
> David - Core 2 Quad Q6600 Kentsfield with a socket 975 Intel board.
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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Dedric Terry](#) on Fri, 29 Feb 2008 06:20:24 GMT
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Yikes, yep typo on my part - sorry about that: it is LGA775, not 975.

On 2/28/08 10:34 PM, in article 47c79c87@linux, "Aaron Allen"
<know-spam@not_here.dude> wrote:

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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Chris Ludwig](#) on Fri, 29 Feb 2008 14:34:01 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Dedic,

LGA775 is the socket type. 975 is the chipset.

:)
Chris

Dedic Terry wrote:

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Chris Ludwig
ADK
chrisl@adkproaudio.com <mailto:chrisl@adkproaudio.com>
www.adkproaudio.com <http://www.adkproaudio.com/>
(859) 635-5762

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Chris Ludwig](#) on Fri, 29 Feb 2008 14:39:26 GMT
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Hi Aaron,
If you want to be able to use the 1333fsb based chips which are the current ones then you will need a P35 or X38 chipset based motherboard. Check out the Gigabyte GA-P35-DS3P (rev. 2.0) Intel DP35DP

Chris

Aaron Allen wrote:

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>>>>> trying to test the video card, only rendering capability.
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>

--
Chris Ludwig
ADK
chrisl@adkproaudio.com <mailto:chrisl@adkproaudio.com>
www.adkproaudio.com <http://www.adkproaudio.com/>
(859) 635-5762

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Dedric Terry](#) on Fri, 29 Feb 2008 14:47:25 GMT
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Yes, hence the source of the typo....had 775 on my mind, typed 975.

"Chris Ludwig" <chrisl@adkproaudio.com> wrote in message
news:47c81a41\$1@linux...
> Hi Dedric,
>

> LGA775 is the socket type. 975 is the chipset.
> :)
> Chris
>
> Detric Terry wrote:
>> Yikes, yep typo on my part - sorry about that: it is LGA775, not 975.
>>
>> On 2/28/08 10:34 PM, in article 47c79c87@linux, "Aaron Allen"
>> <know-spam@not_here.dude> wrote:
>>
>>
>>> I'm pretty sure mine's a LGA775 here, so I wanted to check that I may
>>> have
>>> missed something or it's a typo?
>>> - Always had good luck with Asus and Gigabyte either one FWIW.
>>>
>>> AA
>>>
>>>
>>> "Detric Terry" <dterry@keyofd.net> wrote in message
>>> news:47c6e72a@linux...
>>>
>>>> David - Core 2 Quad Q6600 Kentsfield with a socket 975 Intel board.
>>>> I have an Asus P5W DH Deluxe board that's a good board (esp. for
>>>> multiple
>>>> PCI and PCIe slots.
>>>> (Gigabyte may be another good choice).
>>>>
>>>> I heard the Core 2 Quads were on sale for as low as \$199 recently -
>>>> down
>>>> to \$250 on newegg.com.
>>>>
>>>>
>>>> "EK Sound" <ask_me@nospam.net> wrote in message news:47c6e4b2@linux...
>>>>
>>>>> Along this topic... what's the biggest bang for the buck right now for
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>>>>> and Chip?? Our Nuendo machine is in need of an upgrade....
>>>>>
>>>>> Thanks,
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>>>>> David.
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>>>>> Chris Ludwig wrote:
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>>>>>> Hi Aaron,
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>>>>>> If you want to get the most out of it then these will help.

>>>>>
>>>>> Run SP2 especially if you gonna be using for internet stuff.
>>>>> Don't install IE7 yuck!! In fact uninstall fricking IE and Out look
>>>>> and
>>>>> install fire fox and thunder bird. But don't do that until you use
>>>>> IE6
>>>>> to download em. :)
>>>>> You will probably need to install dot net 1 and 2 but only need to
>>>>> install 3 if you have any vista machine in your network.
>>>>>
>>>>> These hot fixes are for multi-core Intel cpus.
>>>>>
>>>>> Microsoft hot fix:
>>>>> KB896256
>>>>>
>>>>> Microsoft hot fix:
>>>>> KB936357
>>>>>
>>>>>
>>>>> Make sure you are using the newest BIOS and latest drivers for the
>>>>> motherboard, especially the on board video.
>>>>>
>>>>> Which on board video card chip does your motherboard have? 8 meg
>>>>> seems
>>>>> way too low. Does it have hardwired memory and then shared past that?
>>>>>
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> chrisl@adkproaudio.com <mailto:chrisl@adkproaudio.com>
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> (859) 635-5762

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Martin Harrington](#) on Fri, 29 Feb 2008 22:27:28 GMT
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Great motherboard.
I use 2... One with a dual core and 2mb ram and another (in the studio) with
a quad core and 4gb ram...
Rock solid.

Martin H

On 1/03/08 1:39 AM, in article 47c81b87\$1@linux, "Chris Ludwig"
<chrisl@adkproaudio.com> wrote:

> Hi Aaron,
> If you want to be able to use the 1333fsb based chips which are the
> current ones then you will need a P35 or X38 chipset based motherboard.
> Check out the Gigabyte GA-P35-DS3P (rev. 2.0) Intel DP35DP

>
> Chris
>
>
> Aaron Allen wrote:
>> I'm pretty sure mine's a LGA775 here, so I wanted to check that I may have
>> missed something or it's a typo?
>> - Always had good luck with Asus and Gigabyte either one FWIW.
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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Chris Ludwig](#) on Fri, 29 Feb 2008 22:55:10 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Aaron,
Cool. Haven't used any of the Shuttle boxes in a long time but they used to be great. I still run an old 875 chipset one and it has always been solid.

You will see a good jump in power for Nuendo. It works fine with the 4 core and will use them all. It is just not totally optimized for them.

Chris

Aaron Allen wrote:

> well, I took a different approach than I usually would and bought a mini
> chassis Shuttle - the SG31-G2. PCI-E and PCI slot, one of each. I'll use a
> FW audio card (TI chipset, 2 ports!) and the video is built in. I've seen
> the Q6600 for about \$250 in several places and I'm completely impressed so
> far with that performance. I've been spanking it like a cheap rented donkey
> all day, multi tasking it's little butt off and I've managed to push it up
> to 50% CPU so far (stuff like downloading MS updates, installing Anti
> Spyware and doing a A/V scan while surfing the web and moving files across a
> network all at the same time). I'm not sure how Nuendo's multi core support
> is, so I'm not sure what kind of bump you'll see though.
> If it helps, the whole thing inclusive of RAM, CPU, bare bones, 2 HDDs and
> DVD-9 lightscribe drive ran me right about \$700 US. I overpaid on the CPU by
> about \$50 but I wanted it from a local vendor and I wanted it now. I'd
> supposed this super quiet little box would work well with a Magma PCI-e, but
> I couldn't verify that - if that's how your Nuendo is indeed set up.
>
> That help any?
>
> AA
>
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--
Chris Ludwig

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

Subject: Re: quad core questions: Who's using 4 core?
Posted by [emarenot](#) on Sun, 02 Mar 2008 03:51:41 GMT
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Hey Aaron

Got into a quad core about a month ago: Q6600, GIGABYTE GA-P35-DS3L LGA 775 Intel P35 ATX Intel Motherboard, 2 gig of kingston RAM DDR2 800. I've been running Reaper. Current project is 40 tracks, 110 plugs, cpu is hitting about 40% with a buffer of 256 -delta 1010LT. XP with SP2, pretty well tweaked out. The power is certainly not limitless, but dang its been a freak show with plugs. Lots-o-fun.

happyquadding,
MR

"Aaron Allen" <know-spam@not_here.dude> wrote:

>Who all is running Quad here?

>

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>to test the video card, only rendering capability.

>

>

>

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Sun, 02 Mar 2008 09:14:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

I transplanted my EMU0404 to the machine tonight, and fired a native app/native synths at it. Geez..... I'm not quite sure yet with how I work I'm gonna be able to top this thing out. Keeping in mind, I use this box for everything, and I've got 'everything' loaded up on it (included a full blown office 2007 setup, A/V, antispy, etc....) as a result. And I haven't even done the OS tweaking yet.

Ain't tech grand? Finally I feel the promise of daily art (w/o the system choking) I'd hoped for some years back when the 'restless got native'. Deej is gonna HAVE to get a quad or he'll..... you know.....

AA

"Mike R." <emarenot@yahoo.com> wrote in message news:47ca163d\$1@linux...
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> Hey Aaron
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> happyquadding,
> MR
>

Subject: Re: quad core questions: Who's using 4 core?
Posted by [Jamie K](#) on Sun, 02 Mar 2008 09:27:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

Rock on, Aaron!

I still have a similar feeling with my dual G5, although your box is probably 2-4x faster. Zoom!

Cheers,
-Jamie
www.JamieKruz.com

Aaron Allen wrote:

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> app/native synths at it. Geez..... I'm not quite sure yet with how I work
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Subject: Re: quad core questions: Who's using 4 core?
Posted by [emarenot](#) on Sun, 02 Mar 2008 15:40:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sheesh, I can't shut up about it. I'm really blown away -high track counts and really no big worries about tossin' in the plugs. Last night, we had a freeamp 3 feeding a couple of distortion plugs a compressor and then another freeamp 3 and then routed that channel to two subs, one with a verb and the other with a dual delay. I spent about 700 for the pieces parts. Can't believe the bang for the buck. At least for me in my little tiny world ITB has definately arrived.
take care MR

"Aaron Allen" <know-spam@not_here.dude> wrote:

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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Sun, 02 Mar 2008 16:33:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

What audio card/latency are you seeing? On the 0404 I've got it dead stable
at 5 mS, and I'll probably try to push it a little more down the road.

AA

"Mike R" <emarenot@yahoo.com> wrote in message news:47cab51\$1@linux...

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Subject: Re: quad core questions: Who's using 4 core?
Posted by [Aaron Allen](#) on Sun, 02 Mar 2008 16:47:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

I should say dead stable at 44.1/16bit, which is where I produce most of my band related stuff at still. Using ASIO.

AA

"Aaron Allen" <know-spam@not_here.dude> wrote in message
news:47cad9dc\$1@linux...

> What audio card/latency are you seeing? On the 0404 I've got it dead
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>
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Subject: Re: quad core questions: Who's using 4 core?
Posted by [emarenot](#) on Sun, 02 Mar 2008 21:17:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Current project is at 258 which is 6ms of latency -40 tracks, 100FX (combination of vst's and vsti's). 44.1/24bit. I'm ok with 6ms so I haven't played around with lower latencies. I'll have to experiment a little and post back. Paris is still the bomb, but being able to mess with all these vsti's -all in one box, has been great. I could get similar results from Paris, but I needed to sync up at least two computers, sometimes three, to make it happen. Now, one project, one box. Cool.
MR

"Aaron Allen" <know-spam@not_here.dude> wrote:

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Subject: Re: quad core questions: Who's using 4 core?
Posted by [AlexPlasko](#) on Mon, 03 Mar 2008 04:52:55 GMT
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anybody test quad core performance with VSTi's with DSD softsamplers like the grand or East West Play ?I'm curious because play chokes the shit out of the opteron machine.5 streams and its breathing heavy.
I guess the convolution reverbs have more to do with it than streaming.
anyone? Chris?

"Mike R" <emarenot@yahoo.com> wrote in message news:47cb0b73\$1@linux...

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Does that help?

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> RAM. What I have found is that the CPU cores far and away outrun the hard
> disk in video rendering, using a 400GB seagate SATA. HDD is definitely the
> choke point for that work.
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Subject: Re: quad core questions: Who's using 4 core?
Posted by [emarenot](#) on Mon, 03 Mar 2008 14:41:10 GMT
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Hey Chris

Regarding the hotfixes, MS reports that the hotfixes fix problems that are "uncommon" -I believe that was the word used. Are you finding that generally the hotfixes make a overall improvement in MOST multicores (intel) systems?

Just feeling a little hinky about making changes to my registry.

Thanks man,

MR

Chris Ludwig <chrisl@adkproaudio.com> wrote:

>Hi Aaron,

>

>If you want to get the most out of it then these will help.

>

>Run SP2 especially if you gonna be using for internet stuff.

>Don't install IE7 yuck!! In fact uninstall fricking IE and Outlook and

>install Firefox and Thunderbird. But don't do that until you use IE6

>to download em. :)

>You will probably need to install dot net 1 and 2 but only need to

>install 3 if you have any Vista machine in your network.

>

>These hot fixes are for multi-core Intel CPUs.

>

>Microsoft hot fix:

>KB896256

>

>Microsoft hot fix:

>KB936357

>

>

>Make sure you are using the newest BIOS and latest drivers for the

>motherboard, especially the on board video.

>

>Which on board video card chip does your motherboard have? 8 meg seems

>way too low. Does it have hardwired memory and then shared past that?

>

>

>

>

>Chris

>

>

>Aaron Allen wrote:

>> Who all is running Quad here?

>>

>> I just loaded my new pc up with WinXP, SP1. From BIOS boot/disk insert to
>> Windows installed welcome screen took 16 minutes. Can a get a Fresh Prince
>> ShaLamm! Updates and whatnot's coming (it'll be on the net), but I'm looking
>> for what to expect in the way of latency, plugs and track counts. SATA
250GB
>> system and 400GB data, 2 GB RAM. This machine will be my 'everyday' box,
>> streaming movies, music and handling most of my song building. I'll mix
>> elsewhere, but this little dude is the workhorse for building/virtual
synths
>> and schlepping video render stuff when I have time for that.
>>
>> Has anyone noted a major change from single or dual core tech to Quad
core
>> in regards to latency in native rigs?
>> Any great audio or video rendering benchmarks out there to try? Keep in
>> mind, I'm using onboard Intel Graphics 8 (yuk) MB shared, so I'm not trying
>> to test the video card, only rendering capability.
>>
>>
>>
>
>--
>Chris Ludwig
>
>ADK Pro Audio
>(859) 635-5762
>www.adkproaudio.com
>chrisl@adkproaudio.com
