
Subject: AMD or Intel?

Posted by [Ferhago](#) on Tue, 22 Jul 2003 13:11:00 GMT

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I am having trouble deciding which of two new computers I want to get.

They are the exactly the same but one uses an AMD and one uses an intel proccesor.

Whats the difference between the two proccessors?

Subject: AMD or Intel?

Posted by [DaddyD302](#) on Wed, 23 Jul 2003 05:53:41 GMT

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The AMD is faster clock per clock versus the Intel. Intel can only beat AMD by uping their fsb and increasing their raw speed. Right now Intel has the fastest cpu out there, as the AMD is pretty much reach the end of it's road in terms of raw speed. The XP3200 is the best AMD you can buy, and I believe the 3.06 is the best for Intel. I'm a AMD guy so I don't pay alot of attention to Intel. For the money AMD is usually cheaper. But it's usaully up to the buyer on what they want.

Subject: AMD or Intel?

Posted by [Ferhago](#) on Wed, 23 Jul 2003 11:04:12 GMT

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Which one would be better for playing games on my computer?

Subject: AMD or Intel?

Posted by [DaddyD302](#) on Wed, 23 Jul 2003 12:15:32 GMT

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FerhagoWhich one would be better for playing games on my computer?

That depends on who you ask, alot of people are bias, and will say the other one is better. Up to you to decide. To be honest, you need to find similar AMD, and Intel system and play it yourself.

All the review you want to read don't mean jack if, you're not 100% sure you want it. Try it out and see what you like, some say AMD, others say Intel. It's a personal taste on that subject.

Subject: AMD or Intel?

Posted by [ohmybad](#) on Wed, 23 Jul 2003 14:06:09 GMT

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But if your tight on money go with the AMD. The intel p4 2.4 ghz cost more than my video card harddrive cost combined.

Subject: AMD or Intel?

Posted by [Yano](#) on Wed, 23 Jul 2003 15:23:44 GMT

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AMD all the way They are cheaper and better. Here is my PC running a AMD Athlon XP 2000+ with 233 fsb @ 1.667 Ghz <http://www.n00bstories.com/renforums/viewtopic.php?t=6358>

Subject: AMD or Intel?

Posted by [FoBiA](#) on Thu, 24 Jul 2003 03:58:41 GMT

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OMG INTEL SUCKS GET AMD it is alot better

i have a t-bird right now (duronprossecer)

waht do you guys think of duron?

Subject: AMD or Intel?

Posted by [Jaspah](#) on Sat, 26 Jul 2003 00:52:51 GMT

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Intel doesn't suck. Depends on your taste, Intel, Better support, Dual Processors...

I don't like AMD...

Wtf is Duron?

Subject: AMD or Intel?

Posted by [kopaka649](#) on Sat, 26 Jul 2003 04:59:25 GMT

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AMD all the way!!! Intel is only good for Hyper-Threading

Subject: AMD or Intel?

Posted by [Bearxor](#) on Sun, 27 Jul 2003 20:47:15 GMT

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My best advice:

AVOID COMPUTER PURCHASES AT ALL!!!

Seriously, now is the wrong time to be upgrading your computer. We are right on this edge of the end of P4 (3.2) and AthlonXP (2.2) technology.

In just a couple more months, we will have the launch of the AthlonXP-64 processor, and in October, we will have the P4 Prescott.

These will probably be out the door with a high cost, but if you wait, you will be able to spend some extra \$\$\$ on a good video card.

If you absolutely MUST buy these right now, as long as the P4 isn't much more expensive than the AXP, I would pick it. You will have a longer upgrade path with a P4 system, as long as it is using a 800mhz FSB. If it is, you should be able to upgrade to a Prescott in the future. Prescott processors on the 478 platform are supposed to top out at around 4ghz. Don't expect an AthlonXP faster than 2.3 (3400+).

As for a couple of other things I noted in this thread:

Quote:The intel p4 2.4 ghz cost more than my video card harddrive cost combined.

You forgot to mention that you obviously have a low-end video card and harddrive. Seeing as how a P4 2.4C retails for \$160, and any decent video card is going to cost you at least 200 (Radeon 9500+ or GFfx 5600+), and a decent 7200RPM 8MB HD runs around 80 for an 80gig.

Quote:AMD all the way They are cheaper and better. Here is my PC running a AMD Athlon XP 2000+ with 233 fsb @ 1.667 Ghz <http://www.n00bstories.com/renforums/viewtopic.php?t=6358>

This is somewhat confusing since an AthlonXP 2000+ has a stock speed of 1.667 on a 266 (133) FSB. We in the hardware industry dont put "AMD AthlonXP blah blah blah @ blah blah blah" unless we've overclocked them. Such as "AthlonXP 2500+ @ 2.2" (stock is 1.83)

But hey, nice case... Do you like your Aero7? They were always a bit loud IMO, do you run yours at full speed 24/7 or do you use the rheo that comes with it to keep it quieter. CM just started selling those fans seperately, and I'm wondering how that fan at about half speed along with a Swiftech MCX 462 might do... Waiting for someone to try this.

Quote:Wtf is Duron?

I haven't kept tabs on these since the T-Bird days, but the Duron is a low-cost AMD Processor that was based on the T-Bird core. The difference between the T-Bird and Morgan was 128KB L2 cache. The T-bird had 256 (384 total), and the Morgan had 128 (256 total). Duron processors hardly exsit today since you can pick up a nice 2500+ Barton for under a hundred dollars.

Subject: AMD or Intel?

Posted by [dufis791](#) on Sat, 09 Aug 2003 02:01:29 GMT

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having used both Intel and AMD, I would have to say they are fairly matched. AMD processors produce less heat, require almost no heatsink, and have NEVER burned out. Intel have a monster

heatsink, produce alot of heat and have burned out. on the other hand, my computer has an AMD processor and i have found it to act differantly and oddly slower than my dads intel P4, which is comparatively slower. over all, i think i would go with a P4 b/c of the last bit.

Subject: AMD or Intel?

Posted by [Homey](#) on Sat, 09 Aug 2003 05:47:43 GMT

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Heres a comparison.

I have a

P4 1.7ghz 512 ddr and gf4 mx440

My friend has AMD 2400+ (2ghz) 512ddr gf4 mx420.

In a 40 player server in renegade i get 20fps at lowest quality, at max hes getting 45...

Subject: AMD or Intel?

Posted by [Bearxor](#) on Sat, 09 Aug 2003 12:52:53 GMT

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dufis791having used both Intel and AMD, I would have to say they are fairly matched. AMD processors produce less heat, require almost no heatsink, and have NEVER burned out. Intel have a monster heatsink, produce alot of heat and have burned out. on the other hand, my computer has an AMD processor and i have found it to act differantly and oddly slower than my dads intel P4, which is comparatively slower. over all, i think i would go with a P4 b/c of the last bit.

uhhh... no. AMD processors produce more heat. And this deal about 'require almost no heatsink' is ludicrous. Try unplugging the fan from your AMD system and see what happens (no please, I'm only kidding). Not only do the cores run hot, they are also easily breakable due to the fact that the core is just kinda sitting there.

The P4 on the other hand... Yes, it comes with a monster heatsink. Why? To kepep the processor cool while producing little noise. Ever compared a stock Intel and a stock AMD heatsink? The ltel runs somewhere in the range of 2500-3500 RPM, while the AMD runs @ 5400. HUGE noise difference. P4's do not 'burn out'. They clock throttle. Try removing the heatsink from your dads P4 when its running (not kidding on this one...), and it will not explode, it will simply clock itself to a lower speed and keep right on chugging until the heatsink is replaced.

Or rather, check out the THG video in which they do these very things:

http://www12.tomshardware.com/images/THG_CPU_Cooling.zip

HomeyHeres a comparison.

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This one seems easy enough... Odds are you have a Willamette P4 core. They are notoriously for being teh suckage.

Read it and realize that even my T-Bird 1.4 would give your P4 a run for its money:
<http://www.anandtech.com/showdoc.html?i=1460&p=12>

If you have a socket 478 board, I would highly suggest an upgrade at a 533FSB processor. You can get a 2.4 for 150 bucks. Or you could try bumping your FSB up a little to 133. Most Willy's can hit it. You'd be very surprised how much impact 33mhz in FSB speed makes on the old P4 platform.

Subject: AMD or Intel?
Posted by [Homey](#) on Sat, 09 Aug 2003 15:03:16 GMT
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Speak my language man lol. Its only 6 months old. My other computer is the original p4. over 2 years old :/

Subject: AMD or Intel?
Posted by [dufis791](#) on Sat, 09 Aug 2003 15:16:58 GMT
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well, my neighbor is an AMD junky. he says no AMD processor has ever been known to burn out. plus my comp makes almost no nois. the only noise is from my 7 fans (1 proessor, 1 back, 1 side 4 front for harddrives, this is excluding the powersupplys fan) (the reason i have so many is my case was desighned for server use) my proessor makes no more noise than my dads p4. comparatively think about this: why use a heatsink for nois reduction? wouldnt that be heavyer/ more expensive than some nois reducing material? think about it. u can get a p4 and have no room 4 neting else, or get an AMD and have lots of room.

Subject: AMD or Intel?
Posted by [Jaspah](#) on Sat, 09 Aug 2003 15:56:55 GMT
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HomeyHeres a comparison.
I have a
P4 1.7ghz 512 ddr and gf4 mx440
My friend has AMD 2400+ (2ghz) 512ddr gf4 mx420.
In a 40 player server in renegade i get 20fps at lowest quality, at max hes getting 45...

Your seeing Most of the battle, The more explosions there lower the fps, Your friend may be in a tunnel or something. :rolleyes:

AMDs get very hot. And if you leave them on alot. Well, You dont wanna know. :rolleyes:

* Motherboard may fry? Or CPU? *

Intels are much more stable, And run longer.

dufis791 think about it. u can get a p4 and have no room 4 neting else, or get an AMD and have lots of room.

What the hell are you talking about? Without a Fan, those chips are small, But still, With the fan, Its pretty small compared to someother proccessors, My old P2 was very long. I don't remember much of my P3 though.

Subject: AMD or Intel?

Posted by [dufis791](#) on Sat, 09 Aug 2003 16:03:56 GMT

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i leave my comp on all the time. having an AMD athalon i have had no problems of the sort. y would P4's have a heatsink that size if the dont need it?!?!?!? and then y dont AMD processors have mondo heatsinks?!?!?!?! think about it. i bet the reason P4s cost so much is the heatsink. if ur looking for multytaskers go with P4, other wise, AMD

Subject: AMD or Intel?

Posted by [Bearxor](#) on Sat, 09 Aug 2003 20:02:38 GMT

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OMG

ok listen, the reason AMD processors do not come with huge heatsinks is because the clip design can't handle it. Any larger heatsinks (check out a swiftech MCX462+) uses holes in the motherboard to mount. The P4's come with a nice heatsink retention clip that can handle fairly large heatsinks. Not only that, but the stock Intel heatsink is surprisingly light.

Don't get me wrong, the stock Intel sink is no the coolest beast on the planet. It's designed to deliver satisfactory cooling with low noise. Intel has always made massive heatsinks for their processors. Even a stock P3 cooler is larger than a AMD, but it makes about 50% of the noise.

And its not just the higher end P4's that pull away from AXP's. The entire range of 'C' class P4's are faster than their AMD counterparts.

Subject: AMD or Intel?

Posted by [dufis791](#) on Sun, 10 Aug 2003 01:42:40 GMT

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ok w/e. but all intel processors DO NOT have large heasinks. i have a few P1/2 chips and the dont come / heatsinks. u have to buy them. (or a fan)

Subject: AMD or Intel?

Posted by [Homey](#) on Sun, 10 Aug 2003 03:43:49 GMT

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Na, me and him were in teh same spot with same tank ./ amds own

Subject: AMD or Intel?

Posted by [Shaun_Dark_Lord](#) on Sun, 10 Aug 2003 11:23:33 GMT

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Easy answer - Choose the Motherboard/Chipset you want - Then just throw in whichever CPU you can afford.

Pound for Pound, there's not much in it between the two - I saw the benefits of the new Intel 875 Chipset, and went for the IC7-G motherboard - I wacked in a P4 2.53, clocked her upto 3Ghz and I'm a happy bunny.

So AMD or Intel? - It depends what your Motherboard of choice takes.

Oh - And here's my baby;

CPU; P4 2.53 @ 155*19
Mobo; Abit IC7 (Canterwood)
RAM; 1GB Corsair XMS3500 Cas2
Video; Gigabyte Radeon 9700Pro 128MB
HDD; 2x 80GB Maxtor DMax+9 SATA150/7200 8MB Cache in RAID0
Sound; Hercules Game Theatre XP
Speakers; Sony 5.1 DTS
NIC; 3Com 3C905TX 10/100
CDROM; 52X Asus
DVD; 12X Creative
CDRW; 8X Samsung
Case; Modded Supermicro SC760A
PSU; Enermax 550W
CPU Cooler; Zalman CNPS7000-CU
VGA Cooler; Zalman ZM80A-HP + Fan

Fan Control; Digi-Doc 5
Fans; 8 Additional Case fans

3DMark2001SE (Default Settings - No Tweaking)
<http://service.futuremark.com/compare?2k1=6631824>

Subject: AMD or Intel?
Posted by [Bearxor](#) on Sun, 10 Aug 2003 22:59:46 GMT
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Didn't have money for a 'C' class?

And is that the CUSA window kit? I have one and was wondering what it might look like installed.

And how new is you Zalman 7000? I know they're not supposed to fit SocketA boards, but all the adverts ive been seeing for them lately show them being 462 compatible.

Subject: AMD or Intel?
Posted by [Shaun_Dark_Lord](#) on Mon, 11 Aug 2003 05:27:44 GMT
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I've had the window a couple of years now - When I bought it, it was just called a "Server Window"

The 7000 is a lovely sink - Easily shaved 10c off my Volcano 7+ - And that was loud as hell - I can't hear the 7000, even at high speed.

I would recommend getting a decent shim if you're going with an A64 - The 7000 weighs a hell of a lot, and won't sit evenly for long without one.

And call me ignorant, but at 6:30 I can't be bothered to search for 'C' class.

Subject: AMD or Intel?
Posted by [Bearxor](#) on Mon, 11 Aug 2003 18:58:29 GMT
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'C' class P4 processors are 400mhz FSB, designed to work with 865 and 875. Was just wondering what benefit you saw that you would buy an 875 board and put a 533fsb processor in it. Unless you had it laying around of course...

Athlon 64's have an IHS like P4's. There is no 'shim' for them. Originally Zalman 7000's did not fit socket 462 (A64 uses seven hundred and something), but I see recently that there is a 7000A that supposedly fits socket 462. Was just wondering if this is the one you got so you might can snap some pictures of the holddown clip, but odds are, yours is the older one.

But yes, Zalman makes excellent coolers. I went from a 6000+ to a volcano 11, and then back again because the v11 was too damn noisy and cooled just a couple of degrees lower. Have been eyeing the 7000 for quite a while, and plan to buy one when I switch to P4, but will certainly get one sooner if they support 462.

Subject: AMD or Intel?

Posted by [Shaun_Dark_Lord](#) on Mon, 11 Aug 2003 22:52:32 GMT

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I did have the 2.53 laying around - One of the advantages of running your own site is that Intel occasionally send you toys

And I assume you mean 800Mhz FSB - not 400.

Subject: AMD or Intel?

Posted by [Bearxor](#) on Tue, 12 Aug 2003 18:27:35 GMT

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heh, yea I was writing on another forum about the newer AMD processors and I guess it got all jumbled up

Subject: AMD or Intel?

Posted by [Shaun_Dark_Lord](#) on Tue, 12 Aug 2003 19:42:36 GMT

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Ah well - you're forgiven

Subject: AMD or Intel?

Posted by [Shaun_Dark_Lord](#) on Thu, 14 Aug 2003 05:44:06 GMT

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Just got another Zalman CNPS7000 for my Testrig - It came in the newer updated packaging, but still only specified Socket's 478 and 754.

Subject: AMD or Intel?

Posted by [ohmybad](#) on Fri, 15 Aug 2003 21:01:36 GMT

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You know the truth is you dont need a super fast amd or intel processors. None of the programs

that run on pcs have caught up to these new processors, And they wont for a very long time. So really why got out and buy the newest p4? Just so you can say "my computer is better that yours"? Personaly I think its a waste of money.

Subject: AMD or Intel?

Posted by [dufis791](#) on Sat, 16 Aug 2003 02:30:30 GMT

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but, what if u run multipul programs? i have a 2.1 ghz AMD atalon, and i run alot of apps and bg apps simultaniosly..... it aint hard to get up to 100%
