## Subject: Intel i3 vs i5 vs i7
Posted by _SSnipe_ on Thu, 29 Apr 2010 00:06:04 GMT

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Can someone dumb it down and tell me the main difference?
is it speed? and if so which ones are worth it?

I mean I wanna buy a new mobo and cpu soon and still debating amd vs intel since the i7 are to much for me i wanna know if i3 or i5 are js as equal to lets say an amd phenom II x4 or better

## Subject: Re: Intel i3 vs i5 vs i7
Posted by dr3w2 on Thu, 29 Apr 2010 00:19:46 GMT

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i7 = absolute domination
http://www.n00bstories.com/image.fetch.php?id=1020852020

i5 = it's slimmed down brother

i3 = the weakling

## Subject: Re: Intel i3 vs i5 vs i7
Posted by nikki6ixx on Thu, 29 Apr 2010 02:36:05 GMT

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Ok, prepare to be confused.

There's two types of i7's: the 9xx Series, and the 8xx series. If you want to use a 9xx, like a i7 920/930, then the motherboard that goes with it is an X58.

i7 8xx CPU's, and i5's, and i3's use the P55/H55 motherboards.

If you just want to play games, then the best CPU is the i5 750. It's very fast, uses less power than the i7 920, and generates way less heat. Good P55 chipsets are cheaper than X58's, and the DDR3 Dual Channel memory for an i5 is cheaper too.

i5's like the 660 are dual cores; they're really fast at stock, and can get huge overclocks.

To answer your question, the i5-750 is faster than the Phenom 955/965. The i5-750 also overclocks much more, if that's something you're interested in. But, if you're just playing games, it's not a big deal.

## Subject: Re: Intel i3 vs i5 vs i7

Posted by slosha on Thu, 29 Apr 2010 02:59:18 GMT
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Shit tier: i3

Mid tier: i5

Top tier: i7

Simple as that.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by Dover on Thu, 29 Apr 2010 03:18:39 GMT
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Glock wrote on Wed, 28 April 2010 19:59Shit tier: i3

Mid tier: i5

Top tier: i7

Simple as that.

Not quite. I definitely wouldn't call the i3 shit since I was using a single-core P4 processor up until a few months ago. >:[

I've got an i5 750 @ 2.67 and it runs like a dream. GTA IV on the highest settings reasonable for my video card and it still doesn't bottleneck my CPU or anything.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by Caveman on Thu, 29 Apr 2010 03:28:17 GMT
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Well if you had the money I would recommend getting the new AMD 1060T X6. When Benchmarked this chip was on par and sometimes better then the i7 920 and it just plugs straight into an existing AM3 Motherboard. Its bigger brother the 1090T was only beaten by the world-class I7 980 which is the CPU king but it also retails at around $1000+ compared to the $350- AMD chip.

I know what i'd choose....

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Subject: Re: Intel i3 vs i5 vs i7
Posted by nikki6ixx on Thu, 29 Apr 2010 05:06:36 GMT
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Caveman wrote on Wed, 28 April 2010 22:28Well if you had the money I would recommend getting the new AMD 1060T X6. When Benchmarked this chip was on par and sometimes better then the i7 920 and it just plugs straight into an existing AM3 Motherboard. Its bigger brother the 1090T was only beaten by the world-class I7 980 which is the CPU king but it also retails at around $1000+ compared to the $350- AMD chip.

I know what i'd choose....

The Phenom X6 is impressive, but then the 1060T costs more than a i7 920/930. For multithreaded applications, and benchmarks, it's great, but it lags when it comes to gaming compared to the i7 920, and even the Phenom 965. I'm assuming gaming is what SSnipe is after.

I think the money is best spent on a Phenom 955 or i5-750 and then more can be spent on a nice graphics card, or an SSD.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by slosha on Thu, 29 Apr 2010 06:00:42 GMT
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Dover wrote on Wed, 28 April 2010 22:18
Not quite. I definitely wouldn't call the i3 shit since I was using a single-core P4 processor up until a few months ago. >:[

I've got an i5 750 @ 2.67 and it runs like a dream. GTA IV on the highest settings reasonable for my video card and it still doesn't bottleneck my CPU or anything.
It was the best guess I could make.

i3's are only suitable for laptops/netbooks, am I correct?

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Subject: Re: Intel i3 vs i5 vs i7
Posted by Zion on Thu, 29 Apr 2010 06:01:35 GMT
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The i7 Lynnfield is more modern than the i7 Bloomfield. i7 initially had teething problems, so if you're going to get an i7, I'd go for the Lynnfield.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by Goztow on Thu, 29 Apr 2010 06:42:32 GMT
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The i7 outperforms the i5 on specific tasks, like video encoding. It is known to be less overclockable, though. As I don't OC but I do encode video, i got the i7 . To give an idea: DVD flick on "fast" only uses about 17 % CPU power.

Subject: Re: Intel i3 vs i5 vs i7
Posted by saberhawk on Thu, 29 Apr 2010 08:32:07 GMT
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Goztow wrote on Thu, 29 April 2010 02:42The i7 outperforms the i5 on specific tasks, like video encoding. It is known to be less overclockable, though. As I don't OC but I do encode video, i got the i7 . To give an idea: DVD flick on "fast" only uses about 17 % CPU power.

Depends on which i7. My i7-930 has no problems running at "enhanced" clock speeds.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by _SSnipe_ on Thu, 29 Apr 2010 15:48:25 GMT
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Well I dont plan on over clocking but I rather get one of the intel i-series or an amd phenom II x4 so whihc one of the i3, i5 or even i7, are equivalent to the amd phenom II x4

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Subject: Re: Intel i3 vs i5 vs i7
Posted by nikki6ixx on Thu, 29 Apr 2010 16:15:25 GMT
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The direct competitor to the Phenom II X4 955/965 is the i5-750, but it's more expensive, but also a bit faster.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by _SSnipe_ on Thu, 29 Apr 2010 16:25:47 GMT
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nikki6ixx wrote on Thu, 29 April 2010 09:15The direct competitor to the Phenom II X4 955/965 is the i5-750, but it's more expensive, but also a bit faster.
so i5-750, is a bit more fast? alright thanks

see i start working again for the summer and want to finish building my pc and its i7 intel vs amd Phenom II X4

i mean amd still gonna be fast enough for me since i really dont do anything that has  major ram or cpu usages so i think buying the intel parts is just waste of money for speed i would never use

on newegg if i build the rest with amd it will come out little more than 500

with intel almost 800

so money is an issue...

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Subject: Re: Intel i3 vs i5 vs i7
Posted by Kimb on Thu, 29 Apr 2010 16:33:54 GMT
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i use i7, its hell-of-a good thing you know

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Subject: Re: Intel i3 vs i5 vs i7
Posted by nikki6ixx on Thu, 29 Apr 2010 16:41:39 GMT
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(SSnipe) -BLU3Y3Z- wrote on Thu, 29 April 2010 11:25
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with intel almost 800

so money is an issue...

What parts did you have in mind for both builds?

Just remember that board makers are coming out with the AMD 8xx chipset which supports SATA6, and has USB3. That means you might be able to get a really good deal on a 790 series board.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by _SSnipe_ on Thu, 29 Apr 2010 16:45:44 GMT
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nikki6ixx wrote on Thu, 29 April 2010 09:41(SSnipe) -BLU3Y3Z- wrote on Thu, 29 April 2010 11:25
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so money is an issue...

What parts did you have in mind for both builds?

Just remember that board makers are coming out with the AMD 8xx chipset which supports SATA6, and has USB3. That means you might be able to get a really good deal on a 790 series board.
I will post the parts when i get home, but that sounds great hopfully I do hehe

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Subject: Re: Intel i3 vs i5 vs i7
Posted by a000clown on Thu, 29 Apr 2010 21:42:58 GMT

I'm going to automatically assume you want the best performance out of gaming rather than other things, since this is a game forum after all.

Intel's i5 750 seems the most well-rounded, giving decent fps for comparable price to AMD's latest hex-core Phenom II X6 1090T. Also, it uses less power thanks to the 32nm process.
Benchmarks here:
http://anandtech.com/show/3674/amds-sixcore-phenom-ii-x6-1090t-1055t-reviewed/9

Intel's CPUs offer the best performance per core which makes them run (most) games better, since old games tend to be single-threaded and not many current games (if any) make good use of having many cores, though this may change in the future.

AMD's CPUs offer more cores for a much better price which is good for applications that are heavily threaded, such as encoding multimedia. In the great majority of scenarios though you will rarely use all 6 cores, if you even manage to max out the others. Again, this may change in the future as developers optimize their applications to make use of having more cores.

So in my opinion: Gamers will benefit most from Intel's offerings, while multimedia pros and heavy multi-tasking users will benefit most from AMD's offerings.
This assumes comparable price ranges though. Intel's ultra-high-end-super-expensive CPUs simply beat everything, although the benefits for games is negligible.

Here's some benchmarks for you:

Intel Core i5 750 (dual-core, $199) vs Intel Core i7 980X (hex-core, over 1000 fucking dollars!).
http://anandtech.com/bench/Product/109?vs=142
As you can see, the game benefits are like I said, negligible, even for this beast of a CPU.
Intel Core i5 750 (dual-core, $199) vs AMD Phenom II X6 1090T (hex-core, $295).
http://anandtech.com/bench/Product/109?vs=146
Intel Core i5 750 (dual-core, $199) vs AMD Phenom II X4 965 BE (quad-core, $185).
http://anandtech.com/bench/Product/109?vs=102
Intel Core i5 750 (dual-core, $199) vs AMD Phenom II X2 555 BE (dual-core, $104.99 + $4.99 Shipping on newegg.com at time of writing).
http://anandtech.com/bench/Product/109?vs=120

Personally I'd go for the AMD Phenom II X4 965 BE since I'm often encoding multimedia so the extra cores will come in handy.
If I only cared about gaming though, the Intel Core i5 750 wins, however I'd probably go for the AMD Phenom II X2 555 BE since I don't care much about playing on ultra-high resolutions at maxed settings.

Hope my post helps with the decision; I'm an AMD fan but I try to remain unbiased

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Subject: Re: Intel i3 vs i5 vs i7
Posted by EvilWhiteDragon on Fri, 30 Apr 2010 17:20:22 GMT
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Saberhawk wrote on Thu, 29 April 2010 10:32Goztow wrote on Thu, 29 April 2010 02:42The i7 outperforms the i5 on specific tasks, like video encoding. It is known to be less overclockable, though. As I don't OC but I do encode video, i got the i7 . To give an idea: DVD flick on "fast" only uses about 17 % CPU power.

Depends on which i7. My i7-930 has no problems running at "enhanced" clock speeds.
Mine doesn't either. I got the "bad" C0 stepping which should generally clock less than the much more desired D0 stepping (all current 9xx), but I still have been able to get 4Ghz with HT on. If I would switch HT off then I would probably get 4,1 to 4,3 Ghz on air.

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Subject: Re: Intel i3 vs i5 vs i7
Posted by nikki6ixx on Sun, 02 May 2010 01:40:30 GMT
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Just a check on Newegg, and you can get a Phenom 955 with a Gigabyte 770 motherboard for 239 bucks. Comparatively, you can get an i5-750 and a cheap Asus P55 for 298.00.

As someone who has a 955, I've been completely satisfied. Plus, AMD's 'Overdrive' utility is great for easy, automated overclocking for certain programs like GTA4.

But really, if you can swing for the Intel, go for it, because the i5-750 is the best chip in its category. On the other hand, saving 60 bucks could mean the difference between a 5830 and a 5850, or even an SSD.

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