
Subject: Pentium Vs. Athlon

Posted by [maytridy](#) on Sat, 16 Aug 2003 18:06:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hey,

I'm looking around at processors, for my new computer, and I had a few questions:

- 1.) What are the pros and cons of the Pentium 4 and the Athlon 3200?
 - 2.) Which do you prefer?
 - 3.) Which do you have, and how does it perform?
-

Subject: Pentium Vs. Athlon

Posted by [General Havoc](#) on Sat, 16 Aug 2003 18:19:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

- 1:
- o Pentium 4 Has hyperthreading that helps speed up things a little.
 - o Costs a bomb for a P4 3.06 Ghz

 - o Athlon does more work per clock cycle than the P4 meaning it can run at a lower Mhz but offer a similar performance.
 - o Lacks the oomph at the 3200 speed compared to a P4 running at an equivalent speed (3200Mhz) #. This is most noticeable in CPU intensive applications such as video and audio converting/editing (VIS Generation?).
 - o Cheaper than a P4

- 2:
- o Athlon because it's cheaper and I've had no problems with them before.

- 3:
- o Athlon XP 2000+ It performs the same as my sisters P4 2.0 Ghz in terms of games with an identical graphics card. Never noticed much difference between them.

I don't have a AMD XP 3200+ so I can't comment on that specific chip.

Subject: Pentium Vs. Athlon

Posted by [spreegem](#) on Sat, 16 Aug 2003 18:51:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

Athlons R0x0rs, My com has a atholon xp 1900 in it, my sisters com, and my brother com have atholon 1700 s in them, and my dad's com has an atholon 2400, so abasically all the good coms at my house have atholons. I've had no problems with my atholon ever before.

Subject: Pentium Vs. Athlon

Posted by [Bearxor](#) on Sat, 16 Aug 2003 20:22:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

Neither. AMD has a new chip coming out next month, and so does Intel in Oct. At least wait to see what happens. Even if they are priced out of your price range, which the lower end won't be, but the higher end will, it will drive P4C and AXP prices so low it will be worth the wait.

But my recommendation right now would be an Intel platform. better upgradability at this point. 3200+ is likely the last AXP we'll see. A 3400+ is a possibility, but a slim one. A P4 865 or 875 chipset will offer you an upgrade path to 4ghz max. Meaning you can stick something like a 2.4C in there now and then drop in a 4ghz whenever the prices sink and you start to think its slow.

Subject: Pentium Vs. Athlon

Posted by [Infinint](#) on Sat, 16 Aug 2003 20:25:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

sorry this is off topic but i saw a 2.4 Ghz laptop very nice with built in dvd/cdrw burner for 1500\$\$ is that a good deal

Subject: Pentium Vs. Athlon

Posted by [maytridy](#) on Sat, 16 Aug 2003 22:00:14 GMT

[View Forum Message](#) <> [Reply to Message](#)

Quote:sorry this is off topic but i saw a 2.4 Ghz laptop very nice with built in dvd/cdrw burner for 1500\$\$

is that a good deal

Depends. What's the memory? Graphics card? Hard Drive? Etc.....

Quote:Neither. AMD has a new chip coming out next month, and so does Intel in Oct. At least wait to see what happens. Even if they are priced out of your price range, which the lower end won't be, but the higher end will, it will drive P4C and AXP prices so low it will be worth the wait.

Yes! I just read that it PC World! I guess I'll just wait until then!

Quote:1:

- o Pentium 4 Has hyperthreading that helps speed up things a little.
- o Costs a bomb for a P4 3.06 Ghz

o Athlon does more work per clock cycle than the P4 meaning it can run at a lower Mhz but offer a similar performance.

o Lacks the oomph at the 3200 speed compared to a P4 running at an equivalent speed (3200Mhz) #. This is most noticeable in CPU intensive applications such as video and audio converting/editing (VIS Generation?).

o Cheaper than a P4

2:

o Athlon because it's cheaper and I've had no problems with them before.

3:

o Athlon XP 2000+ It performs the same as my sisters P4 2.0 Ghz in terms of games with an identical graphics card. Never noticed much difference between them.

I don't have a AMD XP 3200+ so I can't comment on that specific chip.

Wow! Thanks for all the great info!

Subject: Pentium Vs. Athlon

Posted by [mrpirate](#) on Sun, 17 Aug 2003 03:48:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

If you were to buy a CPU right now, choose Intel. Their "C" processors offer an 800 MHz FSB, which allows for much higher memory bandwidth. AMD's PR is not entirely accurate, with a 3200+'s performance equally only that of a P4 2.8C. It's also worth mentioning that the 2.4C is an excellent overclocker and can reach 3.4-3.6 GHz aircooled.

However, as was already mentioned, you should probably wait. Intel is about to release its "Prescott" CPU, and AMD is soon to start selling the Athlon64. Even if you don't buy one of these new CPUs, the prices of their out-dated counterparts will drop at this point.

Subject: Pentium Vs. Athlon

Posted by [abakshi](#) on Sun, 17 Aug 2003 04:56:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

Yeah basically what's posted above - I wouldn't recommend spending money on AMD's current top-end models, like the 3200+, as the performance doesn't match an P4 3.0. The bus speed on the 3200+ is an advantage versus slower Athlons, but the quad-pumping on the P4s really gives them a big advantage versus the AMDs.

For my new system, I was looking to get somewhere between an Athlon XP 2400+ and a 2800+ with an ASUS A7N8X-Deluxe board, but for only ~\$60 more (than the 2400+), I got my ASUS P4P800-Deluxe board running a P4 2.4C Ghz CPU, which has pretty nice performance for its price and comfortable space for OCing if I wanted to do that.

As posted above, AMD's Athlon 64 will be coming out soon, as well as Intel's Prescott and further technologies. Prescott (may be called Pentium 5) will initially be released on Socket 478, which current P4s use, then the next socket (forgot the number) will be a bit different physically, and that's where they will include the faster CPUs - ~3.6 or 3.8 to eventually 5 Ghz. Just a point of

interest, the CPUs fitting in Intel's next socket design will have no pins - just little semi-spherical contacts.

So you may want to wait until Athlon 64 and Prescott come out before jumping to conclusions

Subject: Pentium Vs. Athlon

Posted by [Genius-Pr02](#) on Sun, 17 Aug 2003 19:55:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

3.2 Canterwood w the 800Mhz FSB is the fastest stock CPU there is to date, if u have \$\$ buy it.
