Subject: Overclocking
Posted by The Party on Tue, 07 Apr 2009 19:37:46 GMT
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How safetly do you think I could overclock a Celeron E1400 Dual Core at 2.00 Ghz?

Subject: Re: Overclocking
Posted by Gen_Blacky on Tue, 07 Apr 2009 19:42:42 GMT
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depends on how much cooling you have , i would think it would be safe and you could get 2.6 ghz at low temps.

Subject: Re: Overclocking
Posted by The Party on Tue, 07 Apr 2009 19:49:44 GMT
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I am just using the out-of-the-box fan that came with the cpu, however I was thinking of upgrading it to a better fan. But what do you think the max Ghz I could get out of it without having a negative effect.

Subject: Re: Overclocking
Posted by cmatt42 on Tue, 07 Apr 2009 23:41:57 GMT
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Overclocking is always going to have a negative effect. Even with an excellent cooler, you're going to shorten your chip's lifespan.

But anyway, everyone's situation is different when it comes to overclocking. You have to have a decent aftermarket cooler, yes, but you must also be aware of your case's ambient temperature, the temperature of the room that the machine is in, your PSU's power, etc. Basically, increase your clocks little by little and see how stable your machine is. If it starts crashing or bluescreening, clock it back down.

Subject: Re: Overclocking
Posted by The Party on Wed, 08 Apr 2009 02:21:13 GMT
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I tried that I got it up to 4.0 Ghz just fine but I am wanting to know if I overclocked it to 3.0 ghz or even 3.5 ghz how long would it last?

Subject: Re: Overclocking
Posted by _SSnipe_ on Wed, 08 Apr 2009 03:34:36 GMT
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Lol For mine I have the side case off and a 20 inch fan blowing right into the pc at all times it is on

how much could mine clock?

I have an amd athlon x2 64 3800+

Subject: Re: Overclocking
Posted by Goztow on Wed, 08 Apr 2009 09:25:37 GMT
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Aren't celeron chips shitty in any case? Or has that changed?

Subject: Re: Overclocking
Posted by luv2pb on Wed, 08 Apr 2009 12:14:56 GMT
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cmatt42 wrote on Tue, 07 April 2009 19:41Overclocking is always going to have a negative effect. Even with an excellent cooler, you're going to shorten your chip's lifespan.
That is relative to what you are doing and how stupid you are. The average processor gets replaced before it dies anyways. To say you are shortening the life span to 10 years when it is going to be replace in 2 doesn't really mean shit.

Goztow wrote on Wed, 08 April 2009 05:25Aren't celeron chips shitty in any case? Or has that changed?
shitty yes ... but you can over clock the shit out of them

Subject: Re: Overclocking
Posted by Goztow on Wed, 08 Apr 2009 13:47:35 GMT
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Ain't shit² still shit?

Subject: Re: Overclocking
Posted by The Party on Wed, 08 Apr 2009 15:51:24 GMT
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Goztow wrote on Wed, 08 April 2009 04:25Aren't celeron chips shitty in any case? Or has that changed?

Well a normal celeron sucks ass, but a dual core celeron does a really good job, that is what I am using now. Well my dual core celeron seems to be doing better than my core 2 duo processor. But yes you can get a very high speed out of a celeron dual core with very little temp increase, I have been doing my reading.

Subject: Re: Overclocking
Posted by Chuck Norris on Thu, 09 Apr 2009 17:14:28 GMT
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The Celeron should have never been made a dual core. The Pentium Dual-core was the Celeron version of a dual core (A Pentium Dual-core is just a Core 2 with less L2 cache). Now, you have two Celerons, the actual Celeron and the Pentium Dual-core. The latter comes with L2 cache in sizes of 2MB or 3MB total, or 1MB or 1.5MB per core, and the actual Celeron comes with 1MB L2 cache total, or 512k per core.

Since there were small differences between 2MB and 4MB L2 cache, and even larger differences between 2MB and 4MB, you can imagine the hurt such a low cache puts on the architecture. That being said, they aren't bad chips, but considering the very small cost difference between a dual core Celeron and a Pentium Dual-core, there's no reason to go with the former. The cost difference between the single core Celeron and the Pentium Dual-core was generally small anyway. Intel simply made it dual core to complete their whole lineup to multi-core.

Subject: Re: Overclocking
Posted by The Party on Wed, 15 Apr 2009 15:22:30 GMT
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Wow, all for more money and fame...