
Subject: Liquid Cooling

Posted by [_SSnipe_](#) on Sun, 09 Aug 2009 00:11:48 GMT

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here I go, please if i can get answer form ones who dont spam up every damn post

1) im get a AMD Phenom II X4 955 Black Edition Deneb 3.2GHz
and this mobo

http://www.msi.com/index.php?func=proddesc&maincat_no=1&cat2_no=171&prod_no=1740#

do you think i would need liqued cooling since my full tower case has like 13 fans?

2)what do I need? i dont know anything about it but so far I hear something about blocks and radiators and filters or some ***.

3)kinda related to the question above, idk rather to only have a cpu liquid cooling set or cpu and chipset combo that has everything i need

4)can i use anything non conductive that wont short out my cpu, mobo, or chipset if lets say it leaks

5)can i please know ANYTHING else I need to know about it?

6)where can i find where they sell liquid cooling at?

7)does any currently support socket am3? the socket to the cpu im getting above

Subject: Re: Liquid Cooling

Posted by [nikki6ixx](#) on Sun, 09 Aug 2009 00:32:03 GMT

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With a good heatsink based cooler, your 955 should do just fine, especially with that motherboard.

As for liquid cooling, I can't give much advice but this thread is a very good guide.

<http://www.hardwarecanucks.com/forum/guides-how-tos/8682-guide-ensuring-painless-water-cooling-setup.html>

From what I do know, you really have to know your stuff. In all honesty, unless you're going to be overclocking to the extreme, go with air-cooling. It costs quite a bit of money to pull off a liquid setup, money which could be saved, or used towards a better graphics card, or a Core i7 setup if

you need more multi-tasking power.

If you go ahead and use that board with the Phenom II, can you make a post on how well it works for you? I've been looking at that same combination, and would like to know just how great it is.

Subject: Re: Liquid Cooling

Posted by [_SSnipe_](#) on Sun, 09 Aug 2009 00:34:40 GMT

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nikki6ixx wrote on Sat, 08 August 2009 17:32 With a good heatsink based cooler, your 955 should do just fine, especially with that motherboard.

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<http://www.hardwarecanucks.com/forum/guides-how-tos/8682-guide-ensuring-painless-water-cooling-setup.html>

From what I do know, you really have to know your stuff. In all honesty, unless you're going to be overclocking to the extreme, go with air-cooling. It costs quite a bit of money to pull off a liquid setup, money which could be saved, or used towards a better graphics card, or a Core i7 setup if you need more multi-tasking power.

I might over clock, im not sure yet, that mobo even has an oc dial on it. but im not sure yet which si why im learning about LC

Subject: Re: Liquid Cooling

Posted by [Gen_Blacky](#) on Mon, 10 Aug 2009 02:29:45 GMT

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i never liked liquid cooling you need a lot of money. also the pump seems to go out really fast.

Subject: Re: Liquid Cooling

Posted by [_SSnipe_](#) on Mon, 10 Aug 2009 02:37:52 GMT

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Gen_Blacky wrote on Sun, 09 August 2009 19:29 i never liked liquid cooling you need a lot of money. also the pump seems to go out really fast. so not worth it.?

Subject: Re: Liquid Cooling

Posted by [Gen_Blacky](#) on Mon, 10 Aug 2009 03:13:09 GMT

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thats up to you if you want super good cooling then go for it but fans work good enough in my opinion.

Subject: Re: Liquid Cooling
Posted by [nikki6ixx](#) on Mon, 10 Aug 2009 03:58:02 GMT
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Every review I've seen of the 955 has people getting it in the 3.8/3.9GHz territory with air cooling, and it still maintains good temperatures under load. My buddy has a 720, and he had it at about 3.7GHz with a CoolerMaster Hyper N520, which is a pretty good cooler for the price.

Subject: Re: Liquid Cooling
Posted by [\[NE\]Fobby\[GEN\]](#) on Mon, 10 Aug 2009 04:03:50 GMT
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I used to have liquid cooling. The PC got a lot quieter, but there's too much micromanagement involved, so I just use fans now.

Subject: Re: Liquid Cooling
Posted by [R315r4z0r](#) on Mon, 10 Aug 2009 11:14:59 GMT
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What kind of micro management? I always thought fans required more work because of the dust they leave behind.

Subject: Re: Liquid Cooling
Posted by [cnc95fan](#) on Mon, 10 Aug 2009 13:12:09 GMT
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You should buy what you need and not over clock to avoid damaging your brand new components.

Subject: Re: Liquid Cooling
Posted by [saberhawk](#) on Mon, 10 Aug 2009 16:18:57 GMT
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cnc95fan wrote on Mon, 10 August 2009 09:12 You should buy what you need and not over clock to avoid damaging your brand new components.

Not all of us overclock out of need; some of us enjoy the thrill of overclocking

Subject: Re: Liquid Cooling
Posted by [tellsson](#) on Mon, 10 Aug 2009 16:31:53 GMT
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positive: the liq system is quiet and very efficient

negative: liquid cooling systems for computers have a lifetime from 3-5 years.. after that, the most of the systems start to get leaks and such..

greetz telly ^^

Subject: Re: Liquid Cooling
Posted by [_SSnipe_](#) on Mon, 10 Aug 2009 18:12:38 GMT
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what if i use a liquid non conductive, can my parts still get damaged?

Subject: Re: Liquid Cooling
Posted by [tellsson](#) on Mon, 10 Aug 2009 19:16:16 GMT
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most of the liq systems use an oil or an emulsion. they are not much conductive, but they can still damage your system, if it hits the right point.

one of the biggest problems is that you dont hear it, if there is a problem. i mean, if a fan has enough dust on it, or if somewhat is damaged, you can hear that.. and with the liq cooler, the most ppl use the comp till it overheat. and then its almost to late.

greetz telly ^^

Subject: Re: Liquid Cooling
Posted by [\[NE\]Fobby\[GEN\]](#) on Mon, 10 Aug 2009 20:39:45 GMT
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R315r4z0r wrote on Mon, 10 August 2009 07:14 What kind of micro management? I always thought fans required more work because of the dust they leave behind.

It takes a while to set up, and the liquid needs to be replaced every now and then, and you must always have an excess amount of liquid somewhere in the house just in case something goes wrong (and rightly so).

It's also all pretty pricey.

Cleaning up after dust is a lot easier on you and your wallet .

Subject: Re: Liquid Cooling

Posted by [Gen_Blacky](#) on Mon, 10 Aug 2009 22:35:41 GMT

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you can get stuff that isn't conductive at all.

Subject: Re: Liquid Cooling

Posted by [liquidv2](#) on Tue, 11 Aug 2009 05:26:45 GMT

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Gen_Blacky wrote on Sun, 09 August 2009 21:29: i never liked liquid cooling
hey fuck you!

if and when i get a better computer i'm definitely getting liquid cooling because you don't really
have to worry about fans and it's cool!1

Homey also told me that pee works so it's not like you're going to run out of liquid to cool your
computer

Subject: Re: Liquid Cooling

Posted by [nikki6ixx](#) on Wed, 12 Aug 2009 02:30:33 GMT

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There is a 'middle-ground' that may be worth considering and it's the 'Corsair H50,' which is a self
contained liquid cooling setup that is simple to set up. It does eke out some small gains over big,
fan-cooled heatsinks, although it does have some shortcomings, like being limited only to cooling
the CPU, and being a bit more expensive.

Subject: Re: Liquid Cooling

Posted by [Homey](#) on Fri, 14 Aug 2009 10:07:44 GMT

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Unless you're planning on doing an extreme overclock, there is no real benefit other than for
looks/project. I have water cooling -> <http://www.youtube.com/watch?v=aklor2rgNwA>

It looks pretty sweet, my temps are great and it's fairly quiet. I wouldn't worry about parts leaking

as long as you test it properly, ie hook everything up and plug the pump into another computer, or use a jumper so if there is a leak you won't fry anything. There is no such thing as non conductive as far as coolant goes, just use distilled water. It'll be better than any of those fake coolants.

Subject: Re: Liquid Cooling

Posted by [Gen_Blacky](#) on Fri, 14 Aug 2009 16:06:23 GMT

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if you don't want to spend a lot of money just buy a decent zalman heat sink.

Subject: Re: Liquid Cooling

Posted by [Homey](#) on Sat, 15 Aug 2009 01:14:32 GMT

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Gen_Blacky wrote on Fri, 14 August 2009 12:06if you don't want to spend a lot of money just buy a decent zalman heat sink.

Zalman's aren't good really. OCZ Vandetta 2, Coolermasters Hyper 212, Thermalright or Xigmatech make good stuff.

Subject: Re: Liquid Cooling

Posted by [nikki6ixx](#) on Sat, 15 Aug 2009 02:02:25 GMT

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I was gonna recommend those new Prolimatech 'Megahalem' heatsinks because they're really taking off, but it seems they don't support socket AM2/AM3.

Anything by recommended by the dude above me will keep a Phenom 955 nice and cool even when overclocked.

Subject: Re: Liquid Cooling

Posted by [Homey](#) on Sat, 15 Aug 2009 04:25:27 GMT

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Yeah that proligma is by far the best out there, almost better than some watercooled blocks. Shame it doesn't fit that socket though.

Subject: Re: Liquid Cooling

Posted by [Renx](#) on Wed, 19 Aug 2009 17:18:13 GMT

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First off, you don't need any aftermarket cooling at all if you don't plan on overclocking.

Overclocking will not damage your components. You will always be in a situation where it either works or it doesn't. If it doesn't work, that just means it's unstable, not that your pc is damaged. If something is unstable, usually it just won't boot or you'll freeze at some point. What will damage your parts is heat, and with most newer CPUs heat decides how much you can overclock. Just search around for the usual accepted heat levels for your CPU, and make sure you stay below that while overclocking.

If you go with liquid cooling, don't buy a set. There are plenty of overclocking forums with plenty of guides on how to setup a proper water cooling system on your own with individual parts. Make sure you research this a lot before making a decision, because there are always new technology, designs, and methods that are coming out all the time. Make sure you get what's right for you. Also keep in mind that liquid is not a casual setup, it's mainly just used for high level overclocking... or if you live somewhere that the room temp is like 40C all the time. If you're new to overclocking, or don't plan on overclocking at all, you really don't need to waste your money on this. I run an E8400 at 3.6GHz just fine with a big ass aluminum heatsink.

Check <http://forums.extremeoverclocking.com> There are more, but I like this one personally.
