

Re: changing the fan cooler on my video card

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- *From:* attilathehun1 <attilathehun1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 19 Jun 2008 22:08:01 -0700
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Man, it's 8:15 PM here and I live between El Segundo and Hawthorne 2 miles from Manhattan Bch. I'm burning up. I have my shirt off and a towel around my neck and I'm sweating like a pig. LOL

Anyways, I've abandoned my list for the day or two because newegg.com is out of the RAM stick I want. I put down that I want 184 pin, DDR 333, 512 mb stick, and 7 different sticks came up. The only one that quoted that it was unbuffered. It was out of stock and I put in a notification in to tell me by e-mail if it comes in. I said I would buy the items in my cart when the stick was available. The stick was the last one on the list, I guess on purpose newegg did that. Put it last on purpose.

Ok, oh and by the looks of the VF900-Cu VGA cooler that I saw from your picture that I don't think it will work on my card, unless I use the old metal frame and plop the fan onto it. Maybe a water cooled system would work better? Now that the card is bare of a cooler.

Getting onto what I did today. I started building the new PC that I am upgrading my Dell 8300. Well upgrading isn't exactly what you'd call it. Everything will be new except the hard drive, optical drive and floppy drive. Maybe even the floppy drive will be new. I was having second thoughts about how I installed the front panel connectors. You know the small connectors that you have to push down onto to those small row of pins on the mobo, that you can barely see. The ones on the outside I pointed outwards towards the ends of the mobo, and the ones on the inside of the mobo I pointed inward towards the middle of the mobo. In other words, the labels that you can read what the connector says are pointed inwards on the inside pins and the connectors on the outside closest to the edge of the mobo, those labels are pointing towards outer most edge. Well, there are only two options, inside pins and outside pins, I think you get my drift. Do you think that is the correct arrangement? There was also another thing that bothered me, I was using a screw driver to screw in the motherboard screws that has been magnetized. I know not to get a magnet close to the hard drive, but what about the motherboard screws? I hope I didn't blow it by using that screwdriver.

This is the PC that I installed the Zalman CNPS9700 LED. I have the Label that says Zalman pointed towards the middle of the motherboard, only because the other side has the CPU fan connector, that really goes to the fan controller, that then goes to the mobo CPU fan connector. I guess you could skip the black plastic fan controller and just plug it directly into the mobo, but I figure why not use the controller. There is another 2 front panel

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connectors that are much thicker cables and it says it goes for EAR mike. There are 2 plugs one says AZALIA and the other says AC.97. Now the thick black cable goes directly to the AZALIA plug and then it has an offshoot plug that says AC.97. There are 2 plugs coming off 1 black cable. On the mobo though, there is only one connector, a F_Audio connector. So, I've plugged the AZALIA plug into the F_Audio mobo connector. These are coming off of the front panel, that's why I guess you see F_Audio, front audio.

There are some other plugs, now I'm not talking about the front panel regular connectors, I already spoke about those already. These plugs are some I've not encountered before. There are a bunch of connectors, well not a bunch, it's 1 thick black cable, like all the others I've been asking about, that has a nine different 1 prong connector plugs that I don't know wtf to do with. There is an LPT labels double row of prongs, that I think is used for a printer? There is another set of unused prongs that say COMA that are used for I don't know wtf ? Now this sprout of plugs say IEEE 1394 and I have no place so far to plug them in that is familiar to me. Maybe you could shed a light on these questions.

Lets give you a hint of what we are working with.

The motherboard is a GIGABYTE S-series Ultra Durable 2/ Dynamic Energy Saver that supports Intel Core 2 Multi-Core Processors. It's a model GA-EP35C-DS3R motherboard. The tower is a Thermaltake P/N: VA8003BWS case. Oh no, it says ATX motherboard, BTX upgraded kit (option). ATX is that Intel supported or AMD supported? If it's AMD then I'm off to a bad start. I think I have an Intel chip and an Intel motherboard? Well, here goes with the chip, it's a Intel Core 2 Duo, that answers half the question, Dual Core DESKTOP. I'm pretty sure the mobo is an Intel chipset because I got it from newegg.com and the motherboard came up as wanted accessories or the chip came up as wanted accessories. Either or I forget which I ordered first and then added on.

Ok, I think this message is getting a bit longwinded.

Any more help will be greatly appreciated.

Thanks, attilatthehun1

PS Since I know your probably the only one who's going to read this. I might as well tell you something I really shouldn't.

My brother married a billionaire's daughter. Have you ever heard of Kirk Kerorian, he owns half of las vegas, MGM Studios, Ford and Crysler's stock and some other companies. I stopped telling people about it after my dentist started charging me 250 for a dental cleaning. People either believe you and then charge you an arm and a leg for services or don't believe you and think your a liar and out of your mind. I think I am out of my mind. LOL

Ok that's it. GTG

"Paul" wrote:

attilatthehun1 wrote:

Ok, so your saying to buy the Zalman VF900-Cu VGA Cooler, or that's what you would do if you were me?

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Ok, I took off the stock cooler and fan and I have the bare card with the components and 4 RAM squares half way surrounding the CPU on the card. This is something new to me, I didn't know that graphic cards has CPUs. I guess it's on high-end cards. This Zalman comes with extra RAM, that's new to me too? Maybe I'm misreading this.

In summary, the Zalman page indicates that the VF900 fits. The VF900 sits on top of the GPU (graphics processing unit). The package includes eight small heatsinks, with sticky tape on the back, and you adhere those to the RAM chips on the graphics card. It is not "extra RAM", it is heatsinks for the RAM that is already on the graphics card. It is there to help keep the RAM cool.

<http://en.wikipedia.org/wiki/Gpu>

Ok, I'm buying RAM for my mobo/CPU. The motherboard is an Elitegroup and if I had to guess it's an AMD compatible board. Model GF6100-M754. It says to use un-buffered RAM. Do you know what the difference is with un-buffered or buffered? I don't want to buy more stuff for this PC and then find out later it's a mistake. I know there is something about a heat spreader or most RAM I see at newegg.com have no heat spreader. I'm also buying a video card for it and I want to make sure it's not an Intel supported card, like ATI. I need AMD compatible. The card is an Elitegroup model ECS N8400GS2-512DS GeForce 8400 GS 512MB 64-bit GDDR2 PCI Express 2.0 x16 HDCP Ready Video Card. Ok, this is getting too much of a message I think. Thanks, attilatthehun1

Yes, I know what the difference is. There are two kinds of RAM commonly available. Unbuffered is used by desktop motherboards. Registered RAM is used by server boards. Registered RAM has a couple extra chips on it, that connect to the address bus. On unbuffered RAM, the address bus connects directly to all the memory chips, without an intermediary.

Since you know it takes unbuffered RAM, then you look for the word "unbuffered".

A heat spreader isn't absolutely essential. I have RAM with heat spreaders and RAM without heat spreaders, and all the RAM works.

The board will use DDR memory, and if you look at the motherboard, it actually has "DDR400" printed next to the RAM slots. The motherboard is single channel,

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so the RAM sticks don't have to match. You could buy 2x512MB PC3200 if you wanted a 1GB configuration, or you could buy a single 1GB PC3200 DDR400 DIMM. If you get the RAM from Newegg, there likely won't be a problem with whatever you buy.

The video card you've selected, is PCI Express, and will work with any motherboard that has a PCI Express video card slot. Where brand matching comes in, is if you're doing SLI (two cards) or Crossfire (two cards), the software driver restricts where the cards will work, with respect to the chipset on the motherboard. But you're buying just the one card and using it by itself. In which case, it doesn't matter what kind of motherboard it is plugged into.

Where occasionally there is a problem, is when a motherboard has a partially wired PCI Express video slot. For example, some cheap motherboards have a large (x16 sized) connector, but the wiring to the connector is only x4. Only 25% of the wires are connected. There have been cases where some video cards won't start, when the slot isn't fully wired like that. But you get a hint, by reading the user manual for the motherboard. If the motherboard ever contains a list of "compatible video cards", that is an underhanded way of saying their video card slot is not standard. If the motherboard manual doesn't have a compatible list of video cards, then it should work with anything. Sort of the opposite of what it looks like at face value. Finding a list of compatible video cards, means their slot is not standard. If something is standard, then you don't have to say anything about it.

Paul