

Re: Need help with a School A+Project

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- *From:* sgopus <sgopus@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
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NEVER use a hammer to install either a CPU or RAM memory, that's just too dangerous.

Most new CPU's already have a film of Thermal paste on them, my recent purchase did.

assemble the computer????

Did you get a kit with all the parts included?? if not is the instructor expecting you to buy all the parts yourself without some kind of guide??

No one on this newsgroup should really advise you on how to assemble a computer

it's a hands on event, and if you have no experience and no education on how to, then your instructor should be guiding you, ie looking over your shoulder. if not get an experienced friend to guide you.

Has the instructor given you class teaching on how to format an HD? if not he should have, I would go to him and ask, it appears to me this post is severely lacking a much needed education, from an instructor which is what an A+ plus class should be doing.

"Mike Hall - MVP" wrote:

"Anonymous" <nobody@xxxxxxx> wrote in message <news:cee8160c1e7dac8c64711132c02f9a5a@xxxxxxxxxxx>

Task 1: Assemble Computer

Task 2 Create two 3 GB partitions and format them with NTFS

Task 3: Install Windows XP in the first partition

Task 4 Check your hardware configuration using Device Manager and make sure there is no exclamation points and question marks shown on any hardware.

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Task 5 Configure your new system with Internet Access.

Task 6 Troubleshooting

How I do this?

Go to a store and buy the following items..

Case – power supply – motherboard – CPU – memory – hard drive – optical drive keyboard – mouse..

Open the side of the case and fit the optical drive, power supply and hard drive (in that order)

Remove the other side, and take out the motherboard baseboard.

Put the case to one side for now.

Remove the motherboard from its packing and lay it on the foam that you will find inside the bag. Lay out all of the parts supplied.

Fit the CPU into the slot provided on the motherboard. Note that new Intel processors do not have thousands of easily bendable pins anymore, so it is quite safe to use a small hammer if the CPU doesn't fit first time around.

Once done, put the hammer to one side because you may need it again when it comes to installing memory.

Administer a small dab of heatsink paste (you don't have to use all of it in one go) to the topside of the CPU. Fit the heatsink/fan assembly. The clips used these days are much easier than they used to be, but stand by with kitchen scissors or your mom's pinking shears just in case.

Now install the memory..

Screw in the motherboard mounting posts to the appropriate positions on the baseboard, and then attach the motherboard to the posts ensuring that, when assembled, the ports on the motherboard are facing the rear panel on the case.

Attach the case cables to the pinouts on the motherboard. These are the cables which supply power to the case lights.

Now fix the baseboard back into the case and cable up the drives.

Voila!!

For the next part, you will need to have hooked up a display, keyboard and

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mouse.

Power up the machine. If you only hear one beep, that is a good sign that you were not too liberal with the hammer and scissors. Any more than one beep, you have a problem. Slow recurring beeps indicate lack of video, rapid beeps indicate memory problems. No beeps at all, major problem.

Take particular notice of the case lights. If they light up brightly, you have cabled everything correctly. If they do not, pull the power cable from the back, and then reverse the case cables on the pinouts. Restart the machine and watch to see if the initialization screen is showing memory and hard drives.

Microsoft have made the next part easy because they have thoughtfully provided on screen installation instructions, so I will not bore you with the entire process. However, if the motherboard is not particularly new, XP may not recognize all devices, and the motherboard CD may not have XP drivers on it.

At some point, you are going to have to get onto the internet in order to get the missing drivers. What you need is a Compaq N3121 network interface card (the only decent bit of any Compaq machine) which is recognized by virtually all operating systems, and an Intel 536P modem.

OK, so having followed MS instructions, you now have XP on a working bootable partition, and you have gotten the drivers for all devices (yipppeeeeeeeeeee.. no more exclamation marks in Device Manager).

All you have to do now is navigate your way to Disk Management and create and format the second partition on the hard drive.

You can now return the hammer and scissors to their rightful owners.

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Mike Hall – MVP

<http://msmvps.com/blogs/mikehall/default.aspx>