XXX OSx86 10.4.10 Installation tips
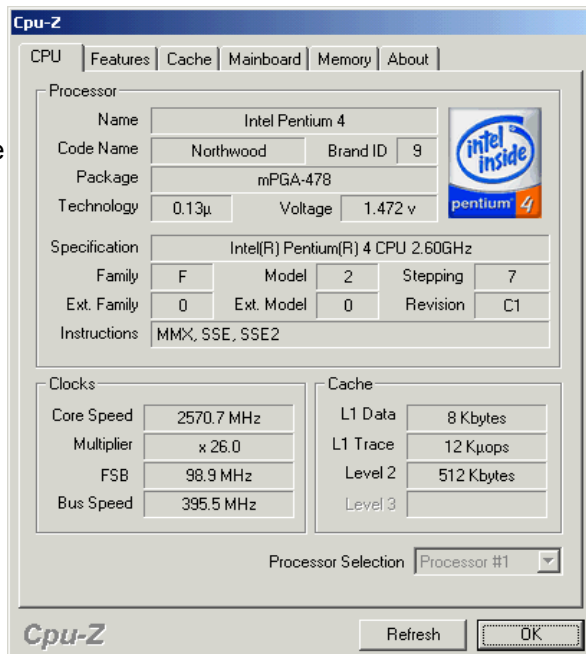
This is not something you go and buy in your computer store. This is a patched/hacked OS and it will require some amout of computer skills to get it working. If your average activity on your PC goes from listening some mp3 to sending some emails this is not for you (unless you want to spend some time making it work). If you dont like it go and buy a real mac, they are beautifull high-end machines.

Im Assuming you already know how to format your harddisk for the installation, otherwise have a look to the Hdsetup.pdf included.
For a succesfull instalation you need to be shure about what hardware you have. I suggest you get some hardware profiler software (SiSoftware Sandra would do on windows).You get this information in Windows Device Manager as well. There is a little amount of hardware supported by OSX86, so you can only hope that yours is working. My advice is to build yourself a clone with supported components.

One of the most important things is to figure out which set of instructions your CPU support.You can use some windows utility like CPUSpy or CPU-Z to retrieve the information. As you can see in the screenshot on the right SSE2 is listed in the "Instrucctions" letterbox. If SSE3 was supported for this CPU it would be listed right after the "SSE2". Something really usefull in this matter is that little booklet that should come with your motherboard; there you will find most of the info you need.
Once you have the information about your CPU and other hardware you are ready to go.

The 8.10.1 Intel SSE3 kernel will be installed by default. If this is the case of your CPU the check boxes should look like this>>>.
You dont need to install any optional kernel.

The RecommendedPatches menu is selected by default too. Leave it like it is unless you know what you are doing.

(Intel SSE3 installation)

Currently the 8.10.1 kernel only support SSE3 CPUs. If happens that your CPU only supports SSE2 you would have to install a **8.9.1 kernel** together with the **System.kext** and a **Loginwindow patch**, just as shown in the screenshot here>>>.

SSE2 support is experimental. I've tested my self in a P4 nothwood core. Apparently works fine but my testings didnt go so deep (running apps, etc).

Package Name	Action	Size
☑ EssentialSystemSoftware	Install	2.4GB
☑ Intel.SSE3 kernel + essential.10.4.10....	Install	6.1MB
☐ 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
▼☑ 8.9.1 kernel Universal + patches.		5.0MB
☑ 8.9.1.kernel.Universal.may02	Install	4.0MB
☑ 8.9.1.System.kext	Install	0 bytes
☑ 10.4.5.Loginwindow.app	Install	998KB
▼☑ RecomendedPatches		9.2MB
☑ VerboseMode	Install	0 bytes
☑ CPUPowerManagement.kext_Remover	Install	0 bytes
☑ System.Profiler.Patch	Install	9.2MB
▶☐ OptionalKernel/Patches		28.6MB

(Intel/AMD SSE2 install)

Yet another SSE2 only install configuration. In this case one kernel from the OptionalKernels is selected instead.

When using a 8.9.1 kernel on my SSE2 machine, I had apply a Loginwindow patch to prevent "About This Mac" window to crash.

Package Name	Action	Size
☑ EssentialSystemSoftware	Install	2.4GB
☑ Intel.SSE3 kernel + essential.10.4.10.P...	Install	6.1MB
☐ 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
▼⊟ 8.9.1 kernel Universal + patches.		998KB
☐ 8.9.1.kernel.Universal.may02	Skip	4.0MB
☑ 8.9.1.System.kext	Install	0 bytes
☑ 10.4.5.Loginwindow.app	Install	998KB
▼☑ RecomendedPatches		9.2MB
☑ VerboseMode	Install	0 bytes
☑ CPUPowerManagement.kext_Remover	Install	0 bytes
☑ System.Profiler.Patch	Install	9.2MB
▼⊟ OptionalKernel/Patches		4.0MB
▼⊟ OptionalKernels		4.0MB
☐ 8.10.3.kernel+dsmos+system.kext	Skip	4.0MB
☐ 8.9.1.kernel.Universal.jul08	Skip	4.0MB
☐ 8.9.1.kernel.SSE3.jun25	Skip	4.0MB
☑ 8.9.1.kernel.Universal.apr23	Install	4.0MB
☐ 8.9.1.kernel.SSE3.apr18	Skip	4.0MB
☐ 8.9.1.kernel.SSE2.apr01	Skip	4.0MB
▶☐ OptionalPatches		4.6MB

You have to be shure what are your CPUs instrucctions capabilities (SSE2 or SSE3). If you install a wrong kernel to start with it would never ever work. You can always **google** to find out about hardware specs.

What about the rest of the optional kernels?. Well, some of them arent really necessary as well as some of the optional patches. I just wanted to make a nice collection from all times. In my testings the **8.9.1.kernel.Universal.jul08** gave me a kernel panic on a SSE2 machine. The other two universal kernels (may02, apr23) worked fine on the same machine.
Be aware that I've also included some old drivers (from 10.4.8 or older). Even though some have working for me under 10.4.9/10.4.10. most of them are untested.

The selection of Items during the install process should be done in accordance to the info you've gathered about your hardware. **Do not select every checkbox like a donkey!** (poor donkeys, they dont know shit about checkboxes or anything like it.)

Here are some screenshots of how I customize the installation for my machines. Yours should look likely.

Screenshot 1, from up to down:
All RecommendedPatches are selected; verbose mode patch, CPUmanagement remover, profiler patcher. GMA950 graphic driver, ALC883 audio driver. Realtek1000 ethernet driver. This machine is based on a Pentium-d 925 and a Gigabyte 945GZM-S2 (ICH7). All onboard harware is fully working.

Package Name	Action	Size
☑ EssentialSystemSoftware	Install	2.4GB
☑ Intel.SSE3 kernel + essential.10.4.10.Patches	Install	6.1MB
☐ 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
▶ ☐ 8.9.1 kernel Universal + patches.		5.0MB
▶ ☑ RecomendedPatches		9.2MB
▶ ☐ OptionalKernel/Patches		28.6MB
▶ ☐ ATA_USB controllers		12.8MB
▼ ⊟ GraphicDrivers		200KB
▼ ⊟ Intel.Integrated.Graphics		200KB
☐ IntelGMA900	Skip	1.4MB
☑ IntelGMA950	Install	200KB
▶ ☐ nVidia.Support		4.1MB
▶ ☐ ATI.Support		35.6MB
▶ ☐ AGPGart		5.0MB
▼ ⊟ AudioDrivers		1.2MB
▼ ⊟ ALC.Audio.Drivers		1.2MB
☐ ALC882.Audio	Skip	1.0MB
☑ ALC883.Audio.6.ports	Install	1.2MB
☐ ALC883.Audio.6.ports.digital	Skip	1.0MB
☐ ALC888.Audio.6.ports	Skip	1.0MB
☐ ALC888.Audio.6.ports.digital	Skip	1.0MB
▶ ☐ Sigmatel.Audio.Drivers		1.8MB
☐ mAudio.Omnistudio.USB	Skip	308KB
☐ ADI1980.AC97.Audio	Skip	608KB
☐ Ati.SB400.AC97.Audio	Skip	616KB
☐ Azalia.Audio	Skip	308KB
☐ ConextantHDA	Skip	252KB
☐ Soundblaster.USB.Support	Skip	5.1MB
▼ ⊟ NetworkDrivers		64.0KB
☐ Intel.82562EZ.Networking	Skip	2.6MB
☑ RealtekR1000.Driver	Install	64.0KB
☐ AtherosAR5004G wireless Driver.	Skip	3.5MB
☐ PCGeneric.Realtek8139.Ethernet	Skip	1.0MB
▶ ☐ Ralink.USB.Wireless		3.4MB
☐ 10.4.5.IO80211Family.kext	Skip	3.0MB
☐ 10.4.3.IONetworkingFamily.kext	Skip	2.4MB
☐ AppleIntel8255x.kext	Skip	1.3MB
▶ ☐ Via.Rhine.Ethernet		192KB
☐ Forcedeth.nForce4.ethernet.driver	Skip	64.0KB
☐ Marvell.Gigabit.Ethernet	Skip	636KB
▶ ☐ Miscellaneous		532KB

screenshot 1

Screenshot 2, from up to down: Again, verbose mode patch, CPUmanagement remover and profiler patcher. For this other computer I need to install Natit.Dual driver to support a Nvidia FX5200 AGP card. Then, ADI1980 audio driver and Intel 82532 ethernet driver. This machine is based on a Pentium-4 3,0Ghz (SSE3 prescott core) and a ASUS P4P800-VM (865G, ICH5). The integrated graphic chip is not supported by OSX therefore I've added a Nvidia card to get CI/QE. The rest of the onboard hardware works fine.

Package Name	Action	Size
☑ EssentialSystemSoftware	Install	2.4GB
☑ Intel.SSE3 kernel + essential.10.4.10.Patches	Install	6.1MB
☐ 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
▶☐ 8.9.1 kernel Universal + patches.		5.0MB
▶☑ RecomendedPatches		9.2MB
▶☐ OptionalKernel/Patches		28.6MB
▶☐ ATA_USB controllers		12.8MB
▼☐ GraphicDrivers		70.0KB
▶☐ Intel.Integrated.Graphics		1.6MB
▼☐ nVidia.Support		70.0KB
☐ Natit.Dual.v01	Skip	3.5MB
☑ Natit.Dual.v02	Install	70.0KB
☐ Apple.10.4.9.NVidia.Kexts	Skip	236KB
☐ Titan.Driver	Skip	140KB
☐ nVidia mobility	Skip	128KB
▶☐ ATI.Support		35.6MB
▶☐ AGPGart		5.0MB
▼☐ AudioDrivers		608KB
▶☐ ALC.Audio.Drivers		5.2MB
▶☐ Sigmatel.Audio.Drivers		1.8MB
☐ mAudio.Omnistudio.USB	Skip	308KB
☑ ADI1980.AC97.Audio	Install	608KB
☐ Ati.SB400.AC97.Audio	Skip	616KB
☐ Azalia.Audio	Skip	308KB
☐ ConextantHDA	Skip	252KB
☐ Soundblaster.USB.Support	Skip	5.1MB
▼☐ NetworkDrivers		2.6MB
☑ Intel.82562EZ.Networking	Install	2.6MB
☐ RealtekR1000.Driver	Skip	64.0KB
☐ AtherosAR5004G wireless Driver.	Skip	3.5MB
☐ PCGeneric.Realtek8139.Ethernet	Skip	1.0MB
▶☐ Ralink.USB.Wireless		3.4MB
☐ 10.4.5.IO80211Family.kext	Skip	3.0MB
☐ 10.4.3.IONetworkingFamily.kext	Skip	2.4MB
☐ AppleIntel8255x.kext	Skip	1.3MB
▶☐ Via.Rhine.Ethernet		192KB
☐ Forcedeth.nForce4.ethernet.driver	Skip	64.0KB
☐ Marvell.Gigabit.Ethernet	Skip	636KB
▶☐ Miscellaneous		532KB

screenshot 2

As you can see in most of the cases you would have to choose **just one driver of each kind** and you should be completely certain about what hardware you have. Notice that in both examples I used the default 8.10.1 kernel (no optional kernels are selected) because both CPUs support SSE3 instructions.
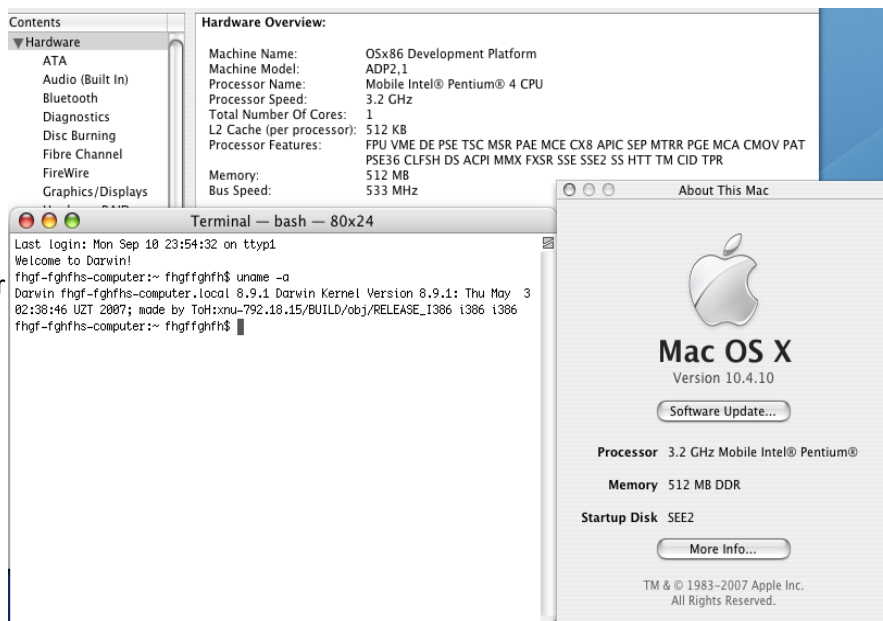
If you are not shure about your hardware being supported,or you have problems after the installation you could try to install no drivers at all, like in the screenshot here.
Notice that in any case **you must always select the right kernel for your CPU**. This example here shows a "fool-proof install". Theoretically would work in Intel SSE2/SSE3 machines>>>>

Package Name	Action	Size
☑ EssentialSystemSoftware	Install	2.4GB
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☐ 8.10.1.kernel.AMD.SSE3	Skip	4.0MB
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▶☑ RecomendedPatches		9.2MB
▶☐ OptionalKernel/Patches		28.6MB
▶☐ ATA_USB controllers		12.8MB
▶☐ GraphicDrivers		46.2MB
▶☐ AudioDrivers		14.1MB
▶☐ NetworkDrivers		18.3MB
▶☐ Miscellaneous		532KB

(safe install, no drivers selected)

Here is a screenshot from a succesfull installation on a **SSE2 machine.** The output from uname -a in the terminal reveal the **kernel version 8.9.1.** Also you can see only SSE2 is listed under Processor Features in the SystemProfiler window.
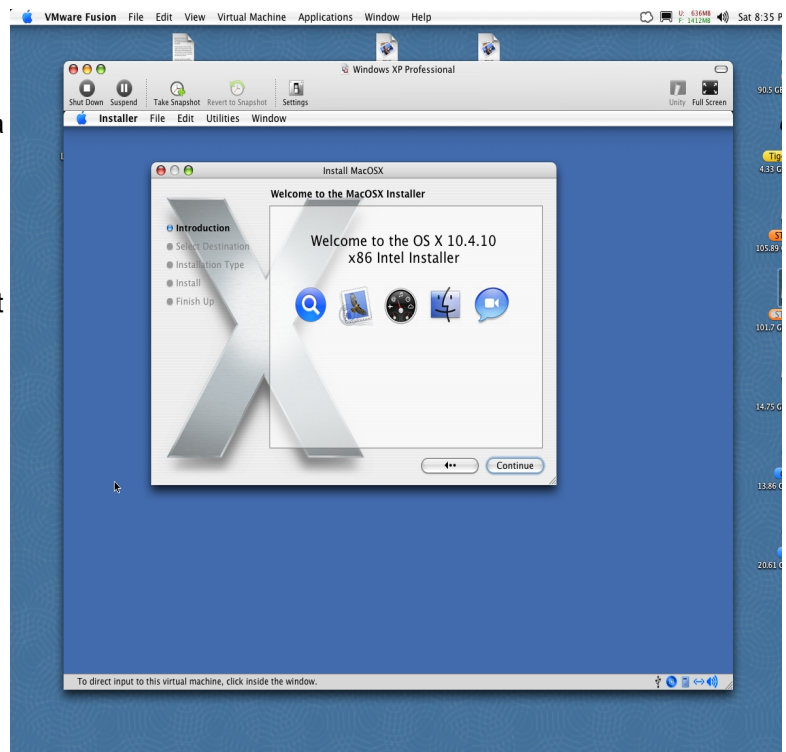
(Intel SSE2 test)

One information you might have gotten is about your motherboard's chipset. If that is not supported natively by OSX you will have very slow HD data transfer speeds; or no HD controller support at all, meaning you wont be able to boot neither to install. I've added ICH8 and Jmicron support in the DVD. I Hope it work for you.

Once you've booted to the installer you'll see few HD controller drivers you can use. Even if your controller is supported by a generic apple driver you would get better transfer rates with one of this.
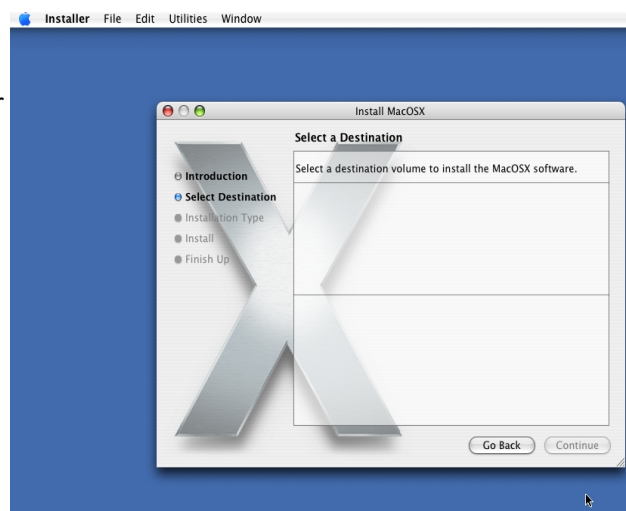

Issues with drives controllers not being supported or incompatible IDE configurations are common. If you get the message 'com.apple.boot.plist not found' or 'still waiting for root device' this might be your case. The more straightfoward solution is to take your harddisk to another "supported computer" and do the install there.

Another good trick for an incompatible HD controller is installing trought VMWare to a real partition. Here is a screenshot from the installer booting in VMWare Fusion under OSX . Nevertheless this very same installer crashes when runned in VMware workstation under windows in a P4 SSE2 machine I've tested. So you see, you must try for yourself. I can not go through the hole Vmware process in this pages but I assure you can find the information in the forums.

Anoter symptom of an unsupported HD controller could be that the installer doesnt show any disk for the installation. Google is you friend.
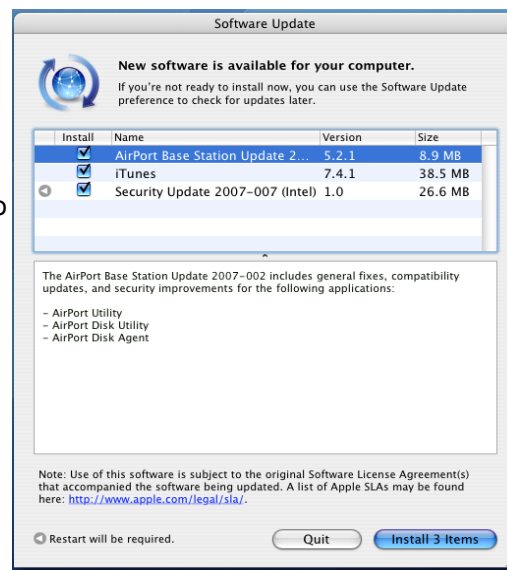
I've Include many drivers I can not test (most of them) because I do not have the hardware. So use at your own risk. Also is wise to say that there are thousands of hardware/drivers combinations and most of them do not fully work, some of them wont work at all. Probably you would have to install many times until you get to a propper configuration for your machine, but hey, this is for free.

In order to keep the size of the image as small as possible for download I've ripped off all printer drivers, all lenguage packages, and Xcode tools. I didnt add any aplications either. I fugure you can download any programs you want to use later. The size of the uncompressed image is about 1.9 GB.

To close I like to give credits to Netkas, JaS, Semtex, DaemonES, Mikfi, orByte, paulicat, joblo10, omni, diabolik, Skippy, JJcool, keithpk, m.musashi, planetbeing, and the rest of the develpoers and coders. Without their work this relase would not have been possible. Special thanks to JaS and zef that gave some very usefull tips for the creation of this distro.

<u>After Installing</u>.

If your ethernet/wireless is supported and you are connected to internet the Software Update Manager will pop-up. **Do not install any updates** until you figure out whichone can you use on a hachintosh. Go to your usual forum.

Repair disk permissions from within Disk Utility in the first boot.

Good Luck!