speedie presents..

The81Project — Documentation

This is the documentation for The81Project! You may not redistribute or use this for your own tutorials/guides.

EFI related things

The EFI is based on Clover EFI, a tool used for hackintoshes. It is required in order to boot the installer on unsupported hardware. There are other methods to boot to the installer too like using Startup Disk but that's buggy at best and it doesn't offer the same reliability that using Clover does. I also removed all Hackintosh related patches.

There will be two options in the Apple boot picker, one will be titled "EFI Boot" and one will be titled "Tiger_USB". You should always pick EFI Boot because that contains the Clover boot loader. You will not reach the installer if you boot from "Tiger_USB"!
The USB installer does NOT contain any patches like Kexts or anything, just a iMac7,1 SMBIOS patch. Not even FakeSMC or anything because that's not needed on official Apple branded Macintosh computers.

Installation process

Installation process is exactly like you would expect. It is all normal until you reach the desktop. After that though, you might need to install some kexts in order to get sound, airport, ethernet or graphics acceleration working. Keep in mind though, there isn't a driver for everything. You are actually incredibly lucky if everything works. The earlier the machine was made, the better support you'll get.

Post install

I have created a .mpkg which you can open. Upon opening it, all you need to do is follow the instructions on screen and then select the patches you need. In most cases, you'll most likely need TigerALC and the Airport Update. You can also install 10.4.11 at this point too or update Java, Safari or even install an Intel build of TenFourFox, the best browser for 10.4 Tiger. After the installation process, you should be able to reboot and everything should be working. You can find the .mpkg on the root of the disk image, so usually Tiger_USB. It's named "Run after installation.mpkg". It does NOT install any boot loader as that is just not needed. Even the System Profiler recognises the computer as what it actually is and NOT an iMac7,1.

Patches

No patches except for Clover is used until the installation is over and you reach the desktop. From there, you will have a vanilla install and nothing will be installed until you run the .mpkg and install your drivers. Some patches are made by me and some are made by other people. Below is a list of all drivers/applications bundled with the OS or the .mpkg along with credits for the work.

Vanilla

Mac OS X 10.4 Tiger by Apple

Clover EFI Bootloader by CloverHackyColor

Contained in the .mpkg

TigerALC Patch (Support for most Realtek ALC codecs) by speedie (spdgmr)

Airport Update by Apple

Java Update by Apple

Safari Update by Apple

Realtek RTL8111 Driver by (?)

Realtek R1000 Driver by (?)

Unofficial TenFourFox build for Intel machines by OlgaTPark

10.4.11 Combo Update by Apple

Sources:

TenFourFox: https://github.com/OlgaTPark/tenfourfox/releases/

TigerALC: https://github.com/speediegamer/the81project/blob/main/TigerALC.tar

Clover EFI Bootloader: https://github.com/CloverHackyColor/CloverBootloader/releases

Mac OS X 10.4.11 Combo Update: https://support.apple.com/kb/dl172?locale=en_US

Airport Update: No longer available for download for some reason :/

Java Update: No longer available for download for some reason :/

Realtek RTL8111: Not sure, found somewhere on InsanelyMac.

Realtek R1000: Made by the same person as the RTL8111 driver, also found somewhere on InsanelyMac. Sorry, but I don't know where I found these. They work nonetheless.

Mac OS X 10.4.10 (Base OS): From an iMac7,1 Gray install disc. Can be found on archive.org for free as it's now considered abandonware.