

# Amithlon



## Supported Hardware

Documentation by Tom Crews (SnkBitten)

### Kernel 3 info - Gary Colville (2.4.19-pre4)

[Info via hd-zone.com](http://hd-zone.com)

Kernel 3.10 and 0.90 drivers

Release date: September 10, 2006

Support for more GeForce FX models

Support for GeForce PCX PCIe cards

SATA support for VIA 8237 and NVidia NForce3/4 chipsets

Gigabit ethernet support for NForce 3/4 chipsets

Support for more AC97 audio codecs

### Kernel 4 info - Milan Milosavljević (2.4.37.9)

[Info via hd-zone.com](http://hd-zone.com)

Kernel 4 and drivers4

[Milanca's SourceForge site](http://sourceforge.net/projects/milan)

Release date: June 17, 2010

In 2010 an enterprising developer named Milan produced an updated Amithlon Kernel to support newer hardware. You can download the kernel below and read up on what hardware it supports. It includes all hardware updates previously added by Gary Colville for the 3.10 Kernel.

**Note:** You must have the [Contrib3b pack](#), or [Amithlon Update](#) installed to use this.

Nvidia FX series such as the FX5200, 5600, 5700, etc...

Nvidia TNT2, GeForce 256, GeForce 2/2 MX, 3/3 Ti and 4 MX, 4 Ti.

Matrox Millennium G100, G200, G400, G450, G550.

Matrox Mystique

ATI Radeon 9200, 9600, 9800 PCI.

PCI-Express variants of those cards will run in VESA mode with no hardware acceleration.

Chipset Support

Intel ICH7, 8, 9, 10

AMD/ATI SB400, 600, 700

Newer NVidia chipsets

SATA hard disks and DVD drives should work on all of those chipsets.

More AC97 audio codecs, including the popular ALC based chips.

ATI/AMD based controllers in the SB400, SB600 and many others.

Audio support functions in CMI8788-Oxygen HD Audio, Creative Labs SB X-Fi

Sound Blaster Live!

Sound controllers as Emagic Audiowerk 2 sound card, Vortex 3D Digital Audio,

AU8820 Vortex and AU8810, ALi M5451 and others.

NVidia nForce based LAN adaptors, nForce 2, 3, 4. MCP51 nForce 430/410/405/400, MCP55

...

Intel LAN chips like 82801EB/ER (ICH5/ICH5R), Intel PRO/100 like 82801E Ethernet

and Intel PRO/1000 PCI-Express Gigabit Ethernet adapters.

Realtek 8169 Gigabit Ethernet support. Many 3Com based network controllers,

Typhoon, Etherlink and Broadcom. Marvell Yukon 2 Gigabit Ethernet support.

## Motherboards

### Slot A

Asus K7V - Slot A (5 PCI slots, 1 AGP)

Chipset VIA Apollo KX133

IDE (kernel 3.10 and 4)

USB

### Socket A

Shuttle AK32 - Socket A(462) (1 AGP, 5 PCI slots)

Chipset VIA KT266A

USB (kernel 3.10)

AC97 Sound (kernel 3.10)

Asus A7V8X - Socket A(462) (1 AGP, 6 PCI slots)

Chipset VIA KT400 / Southbridge VIA VT8235

IDE

LAN

Asus A7N8XX - Socket A(462) (1 AGP, 5 PCI slots)  
Chipset NForce2 400 / Southbridge Nvidia MCP2  
IDE  
LAN

Jetway N2PAP Ultra - Socket A(462) (1 AGP, 5 PCI slots)  
Chipset NForce2 Ultra 400 / Southbridge Nvidia MCP2  
IDE  
LAN

Soltek SL75KAV - Socket A(462) (1 AGP, 5 PCI slots)  
Chipset VIA KT133A (NB VT86363A, SB VT82C686B)  
IDE  
Audio

Abit AN7 - Socket A(462) (1 AGP, 5 PCI slots)  
Chipset NVIDIA nForce2 Ultra 400 / Southbridge NVIDIA nForce2 MCPT  
USB (kernel 3.10)

## **Socket 754**

Abit KV8 Pro - Socket 754 (1 AGP, 5 PCI slots)  
Chipset VIA K8T800 Pro  
IDE  
SATA  
LAN  
Audio

Gigabyte K8NS - Socket 754 (1 AGP, 5 PCI slots)  
Chipset NForce 3 250 / Southbridge VIA 8237R  
IDE  
SATA  
LAN  
Audio

Gigabyte K8VM800M - Socket 754 (1 AGP, 3 PCI slots)  
Chipset VIA K8M800 / Southbridge VT8237  
IDE  
Audio

## Socket 939

Asus A8N-E - Socket 939 (3 PCI slots)  
Chipset NVIDIA nForce4 Ultra  
IDE (kernel 3.10 and 4)  
USB  
LAN 10/  
100/1000

MSI k8t neo2 v2.0 - Socket 939 (1 AGP, 5 PCI slots)  
Chipset VIA K8T800 Pro / SouthBridge VIA VT8237  
USB (kernel 3.10)  
AC97 Sound (kernel 3.10)

Gigabyte GA-K8NF-9 - Socket 939 (3 PCI slots)  
Chipset NVidia nForce4  
USB (kernel 3.10)

Abit AV8 - Socket 939 (1 AGP, 5 PCI slots)  
Chipset VIA K8T800 Pro / Southbridge VT8237  
IDE  
SATA  
LAN

Asrock 939Dual-SATA2 - Socket 939 (1 AGP, 3 PCI slots)  
Chipset ULiM1695 / Southbridge ULi M1567  
IDE

Gigabyte K8N-SC939 - Socket 939 (1 AGP, 5 PCI slots)  
Chipset NVIDIA nForce3  
IDE

Asus A8V – Socket 939 (1 AGP, 5 PCI slots)  
Chipset VIA K8T800 Pro / Southbridge VIA VT8237  
IDE  
SATA  
Audio

Asus A8N SLI SE – Socket 939 (3 PCI slots)  
Chipset NVidia NForce 4  
IDE  
SATA  
LAN  
Audio

## **Socket LGA775**

Gigabyte GA-P35-DS3L – Socket LGA775 (3 PCI slots)  
Chipset Northbridge: Intel® P35 Express / Southbridge: Intel ICH9  
IDE (kernel 3.10 and 4)  
SATA (kernel 4)  
USB

## **Socket AM2**

Gigabyte GA-M52L-S3P – Socket AM2 (4 PCI slots)  
Chipset NVIDIA nForce 520LE

## **Socket AM3**

Gigabyte GA-MA790FXT-UD5P – Socket AM3 (2 PCI slots)  
Chipset North Bridge: AMD 790FX / SouthBridge: AMD SB750  
IDE (kernel 3.10 and 4)  
SATA (kernel 3.10 and 4)  
USB

# **Video Cards**

## **Hardware Accelerated PCI**

Nvidia GeForce FX 5500 PCI 256 MB  
Nvidia GeForce FX 5200 PCI 256 MB  
Nvidia GeForce FX 5200 PCI 64 MB  
Matrox G200/G400/G550 PCI

## **Hardware Accelerated PCIe**

Matrox G550 PCIe

## **Hardware Accelerated AGP**

Nvidia GeForce 4200Ti AGP  
Nvidia GeForce 4 Ti AGP  
NVidia TNT2 (NV4/NV5/NV6) AGP  
NVidia GeForce 256 (NV10) AGP  
NVidia GeForce 2 (NV11/NV15) AGP  
NVidia GeForce 3 (NV20) AGP  
NVidia GeForce 4 Ti (NV25/NV28) AGP  
NVidia GeForce 4 Ti 4200 (NV25) AGP  
Nvidia GeForce 4 Ti 4800se (NV25) AGP  
NVidia GeForce 5900 (NV35) AGP  
Matrox G200 AGP  
ATI Radeon 9250 256mb (RV280) AGP

## **Partial Accelerated AGP**

ATI Radeon 7000 (RV100) AGP  
ATI Radeon 7500 (RV200) AGP  
ATI Radeon 9600 Pro (RV350) AGP

## **VESA (builtin)**

Nvidia GeForce PCX5750 PCIe 256 MB (builtin/vesa mode)

Nvidia GeForce GS7800 PCIe (builtin/vesa mode)

## **Network Cards**

Realtek RTL8139D 10/100 Mbps PCI Fast Ethernet Adapter (OpenPCI driver)

Realtek RTL8169 10/100/1000 Mbps PCI Ethernet Adapter (compiled in my own kernel based off Milan's Kernel4)

IBM ThinkPad T30 802.11b Intel M3AWEB56GA 91P7215 26P8520 MiniPCI (laptop) (Prism2v2 driver)

3Com 3C905-TX 10/100

3Com 3C920 10/100

Intel Ether Express 100Pro 10/100

Broadcom 4400 10/100

Intel PRO1000 Desktop PCIe network card (kernel 4)

## **Sound Cards**

Soundblaster Live PCI

Soundblaster 128 PCI

## **Systems Desktop/Tower**

**Dell Dimension B110**

Intel Celeron D (2.53 Ghz)

Onboard AC97 Audio (kernel 3.10)

**Dell Dimension 3000**

Intel P4 (2.42.8 Ghz)

Onboard AC97 Audio (kernel 3.10)

## **Systems Laptop**

### **Dell Latitude C610 Intel**

PIII (1.0 Ghz), 14.1" 1024x768

(kernel 3.10)

Onboard AC97 Audio

Onboard USB

Onboard IDE

Onboard NIC

Onboard Video (vesa)

MiniPCI slot

### **Dell Inspiron 5150 Intel**

PIV (3.06 Ghz), 15" 1400x1050

(kernel 3.10)

Onboard AC97 Audio

Onboard USB

Onboard IDE

Onboard NIC

Onboard Video (vesa) (Radeon 9000 or Nvidia FXgo5200)

MiniPCI slot

### **Dell C640 Intel**

Pentium M (2.4 Ghz)

(kernel 3.10)

Chipset - Intel 845MP

Graphics - ATI Mobility Radeon 7500

Onboard USB

Onboard Audio

Onboard NIC



**IBM Thinkpad T42 (model 2373) Intel**  
Pentium Centrino (1.7 Ghz)  
(kernel 3.10)  
Chipset - Intel 855PM  
Graphics - ATI Mobility Radeon 7500  
Onboard USB  
Onboard Audio

**Compaq Presario 700 AMD**  
AMD Duron (900 Mhz), 14.1" 1024x768  
(kernel 3.10)  
Onboard USB  
Onboard IDE  
Onboard NIC  
Onboard Video (vesa)

## **Misc Hardware**

**Linksys USB200M**  
USB to ethernet adapter with Poseidon/ArakAttack and usbasixeth.device driver

**SYBA SDVIA1A5E1IR**  
PCI SATA / IDE / USB Combo Card USB works with ArakAttack's OpenPCI driver

**Catweasel MK IV PCI**  
PCI Catweasel card with openpci.library and multidisk.device, allows reading/writing Amiga formatted DD and HD disk with your PC's floppy drive.