# Linux Hardware Compatibility HOWTO


## Steven Pritchard

Southern Illinois Linux Users Group / K&S Pritchard Enterprises, Inc.

<steve@silug.org>



3.2.3



Copyright © 2001−2005 Steven Pritchard

Copyright © 1997−1999 Patrick Reijnen



2005−07−12



This document attempts to list most of the hardware known to be either supported or unsupported under Linux.



### Copyright

This HOWTO is free documentation; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free software Foundation; either version 2 of the license, or (at your option) any later version.

# Table of Contents

**1. Introduction....1**
1.1. Notes on binary−only drivers....1
1.2. Notes on proprietary drivers....1
1.3. System architectures....1
1.4. Related sources of information....2
1.5. Known problems with this document....2
1.6. New versions of this document....2
1.7. Feedback and corrections....2
1.8. Acknowledgments....3
1.9. Revision History....3

**2. Computers/Motherboards/BIOS....5**
2.1. Specific system/motherboard/BIOS....5
2.2. Unsupported....6

**3. Laptops....7**
3.1. Specific laptops....7
3.2. PCMCIA....7

**4. CPU/FPU....8**
4.1. Intel....8
4.2. AMD....8
4.3. Cyrix....8
4.4. IDT....8
4.5. Transmeta....8
4.6. Misc. notes....9

**5. Memory....10**

**6. Video cards....11**
6.1. XFree86....11
6.2. Proprietary X servers....31
6.3. Kernel Framebuffer (fbdev)....31
6.4. SVGALIB (graphics for console)....31

**7. Controllers (hard drive)....32**
7.1. Alpha, Beta drivers....32

**8. Controllers (SCSI)....33**
8.1. Supported....33
8.2. Alpha, Beta drivers....35
8.3. Unsupported....36

**9. SCSI RAID Controllers....37**

**10. IDE RAID Controllers....38**

# Table of Contents

**11. Controllers (I/O)....39**

**12. Controllers (multiport)....40**
12.1. Non−intelligent cards....40
12.1.1. Supported....40
12.2. Intelligent cards....40
12.2.1. Supported....40
12.2.2. Alpha, Beta drivers....41

**13. Network adapters....42**
13.1. Supported....42
13.1.1. Ethernet....42
13.1.2. ISDN....43
13.1.3. WAN Cards....44
13.1.4. Wireless....46
13.1.5. Frame Relay, X.25, Synchronous PPP, Cisco HDLC....46
13.1.6. Pocket and portable adapters....46
13.1.7. Slotless....46
13.1.8. ARCnet....46
13.1.9. TokenRing....46
13.1.10. FDDI....47
13.1.11. Amateur radio (AX.25)....47
13.1.12. PCMCIA cards....47
13.2. Alpha, Beta drivers....47
13.2.1. Ethernet....47
13.2.2. ISDN....47
13.2.3. ATM....47
13.2.4. Wireless....48
13.3. Unsupported....48

**14. Sound cards....49**
14.1. Supported....49
14.2. Alpha, Beta drivers....52
14.3. Unsupported....52

**15. Hard drives....54**
15.1. Unsupported....54

**16. Tape drives....55**
16.1. Supported....55
16.2. Alpha, Beta drivers....55
16.3. Unsupported....55

**17. CD−ROM drives....56**
17.1. Supported....56
17.2. Alpha, Beta drivers....56
17.3. Notes....57

# Table of Contents

**18. CD−Writers....58**

**19. DVD drives....59**

**20. Removable drives....60**

**21. Mice....61**
21.1. Supported....61
21.2. Alpha, Beta drivers....61
21.3. Notes....61

**22. Modems....62**

**23. Printers/Plotters....64**
23.1. Ghostscript....132
23.1.1. Ghostscript 5.1 supported printers....132
23.1.2. Alpha, Beta drivers....133

**24. Scanners....134**
24.1. Supported....134
24.2. Alpha, Beta drivers....135
24.3. Unsupported....135

**25. USB....137**
25.1. Digital Cameras....137
25.2. Miscellaneous....137

**26. IEEE 1394 (FireWire/i.Link)....138**

**27. PCMCIA/Cardbus cards....139**

**28. Other hardware....157**
28.1. Amateur Radio....157
28.2. VESA Power Savings Protocol (DPMS) monitors....157
28.3. Touch screens....157
28.4. Terminals on serial port....157
28.5. Joysticks....157
28.6. Video devices (capture boards, frame grabbers, TV tuners, etc.)....158
28.7. Digital Camera....160
28.7.1. Supported....161
28.7.2. Unsupported....161
28.8. UPS....161
28.9. Multifunction boards....162
28.10. Data acquisition....162
28.11. Watchdog timer interfaces....162
28.12. Miscellaneous....162

# Table of Contents

**29. Appendix A. Supported Parallel Port devices....163**
29.1. Ethernet....163
29.2. Hard drives....163
29.3. Tape drives....163
29.4. CD−ROM drives....163
29.5. Removable drives....164
29.6. IDE Adapter....164
29.7. SCSI Adapters....164
29.8. Digital Camera....164
29.9. PCMCIA parallel port cards....164

**30. Appendix B. Linux incompatible Hardware....165**

**31. Glossary....169**

# 1. Introduction

This document lists most of the hardware components (not whole computers) known to be supported or not supported under Linux, so reading through this document you can choose the components for your own Linux computer and know what to avoid. As the list of components supported by Linux changes constantly, this document will never be complete. If a component is not mentioned in this HOWTO, I simply have not found support for the component and nobody has told me about support.

Subsections titled 'Alpha, Beta drivers' list hardware with alpha or beta drivers in varying degrees of usability. Note that some drivers only exist in alpha kernels, so if you see something listed as supported but isn't in your version of the Linux kernel, upgrade.

## 1.1. Notes on binary−only drivers

Some devices are supported by binary−only modules; avoid these when you can. Binary−only modules are modules which are compiled for ONE kernel version. The source code for these modules has NOT been released. This may prevent you from upgrading or maintaining your system. It will also prevent you from using the component on alternate (usually non−x86) architectures.

Linus Torvalds says "I allow binary−only modules, but I want people to know that they are _only_ ever expected to work on the one version of the kernel that they were compiled for." (See http://lwn.net/1999/0211/a/lt−binary.html for the rest of the message.)

## 1.2. Notes on proprietary drivers

Various proprietary drivers for sound, video, etc. exist for Linux. Tracking these proprietary drivers is beyond the scope of this document. These drivers might be mentioned at various points in this document, but note that no effort has been made to make sure that this information is current.

## 1.3. System architectures

This document primarily deals with Linux for x86−based platforms. For other platforms, check the following:

- Alpha
- ARM
- CRIS (Axis Communications ETRAX 100LX embedded CPU)
- IA−64
- m68k
- MIPS
- PA−RISC
- PowerPC
- S/390
- SuperH
- SPARC

There are also the ELKS and uClinux ports, which are forks of the mainstream kernel source designed for MMU−less (mostly very low−end and embedded) systems.

## 1.4. Related sources of information

- The LDP has an  index of hardware−related HOWTO documents.
- Price Watch (street price search engine, also useful for finding specs on various bits of hardware)
- Guide to Computer Vendors

## 1.5. Known problems with this document

This document can't possibly be up−to−date at all times. I would like to see this document be a useful reference again. The following items need to be fixed for that to happen:

- Old cruft needs to be eliminated. Much of this document was written in 1995, give or take, when PCI was new and not supported terribly well, and ISA PnP was seen as something evil. Oh, how the times have changed...

  Also, many of the model numbers listed in this document are no longer available, and are probably not of much interest to the vast majority of people. Personally, I think hardware that hasn't been available for more than 5 years or so can safely be removed. Old versions of this document will always be available on the Internet...
- URLs in this document need updating. I've begun to do that, but it is a big job... Diffs are welcome.
- In the process of updating and converting this document to DocBook, some cruft was introduced. If anyone wants to help clean up this, get the latest source (preferably by emailing me at <steve@silug.org>) and grep for "FIXME".
- Lists in this HOWTO that are available in other HOWTOs or FAQs need to be either updated here or dropped completely from this document.
- Newer interfaces such as USB need to be added into the list. (Would a USB−attached hard drive go under "USB", "Removable drives", "Hard drives", or all of the above?)
- And, of course, random hardware that just isn't listed in this document needs to be added.

All of this is going to require a lot of work. If this happens to interest you, please email <steve@silug.org>. I can use the help. :−)

## 1.6. New versions of this document

The latest version of this document can be found on the Linux Documentation Project home site or any of its many mirrors.

## 1.7. Feedback and corrections

If you have questions or comments about this document, please feel free to email Steven Pritchard at <steve@silug.org>. I also welcome corrections and additions. At some point in the near future, I plan to set up a web interface for adding components to this document. In the mean time, please just use the word "hardware" somewhere in the subject when sending corrections or additions.

## 1.8. Acknowledgments

This document has passed through many hands. I don't know if he wrote the first version, but in 1993 Ed Carp was maintaining it. In August of 1994, FRiC (Boy of Destiny) took over. After he fell off the face of the planet in late 1995 or early 1996 (and we all miss him from IRC, I might add), Patrick Reijnen took over (sometime in 1997) and continued to maintain this document until late 1999.

Recent versions of this document contained the following:

> Thanks to all the authors and contributors of other HOWTO's, many things here are shamelessly stolen from their works; to FRiC, Zane Healy and Ed Carp, the original authors of this HOWTO; and to everyone else who sent in updates and feedbacks. Special thanks to Eric Boerner and lilo (the person, not the program) for the sanity checks. And thanks to Dan Quinlan for the original SGML conversion.

Many thanks to all those who have contributed to this document over the years.

In addition, I'd like to thank the many members of the Southern Illinois Linux Users Group and the Linux Users of Central Illinois for giving me so many interesting problems to solve over the years, and, of course, my wife Kara for putting up with me all these years. :−)

## 1.9. Revision History

The following is the revision history of this document since I (Steven Pritchard) took over maintenance.

**Revision History**

Revision 3.2.3 2005−07−12 Revised by: sjp

Fix link for AlphaLinux project. Add some laptop notes. Add information about the 3ware 9000−series cards.

Revision 3.2.2 2004−01−30 Revised by: sjp

Opteron/Athlon64 information added. Fixed up some of the video card entries. Add notes about 3ware 8000−series cards, SATA, and the WD drive "configuration update".

Revision 3.2.1 2002−11−12 Revised by: sjp

Replaced "commercial" with "proprietary" in most cases. (I should probably go one more step and make that "proprietary, closed−source" or something similar. Comments and suggestions are appreciated.) Added placeholder IEEE 1394 section. Updated various other sections. Thanks to Rick Moen for prompting this revision with various updates and suggestions.

Revision 3.2.0 2002−08−13 Revised by: sjp

Removed a lot of cruft. Added information direct from pcmcia−cs.sourceforge.net on supported PCMCIA cards. Added a section on DVD drives. Thanks to Tom Hanlin for pointing out that there was no mention of them before. Replaced all references to metalab with ibiblio, and all references to linuxdoc.org with tldp.org. Probably other changes I'm forgetting, which should teach me not to wait so long between releases.

Revision 3.1.5 2002−03−28 Revised by: sjp

Moved revision history to Introduction section. More dead link fixes and other corrections. Thanks to Lin Hung−Ta, Silviu Tamasdan, and various others.

Revision 3.1.4 2002−02−17 Revised by: sjp

Added note about CRIS architecture. Updated WAN Cards section.

Revision 3.1.3 2001−12−30 Revised by: sjp

Updated video card section and other minor cleanups and updates.

Revision 3.1.2 2001−12−21 Revised by: sjp

Update location for GS−4500 software in the scanners section. (Thanks to Jan Willamowius for pointing out that the page had moved.) Begin updating RAID controller section by separating SCSI RAID and IDE RAID.

Revision 3.1.1 2001−12−14 Revised by: sjp

List printers with a "F" or missing grade from the linuxprinting.org database in the incompatible hardware section.

Revision 3.1.0 2001−12−12 Revised by: sjp

Fix/remove more broken/dead links. Import printer listing from linuxprinting.org.

Revision 3.0.7 2001−10−18 Revised by: sjp

Started fixing dead links. (Thanks to Rob Janssen, Shaul Karl, Charles McColm, and Paul Stephenson for the corrections.)

Revision 3.0.6 2001−09−14 Revised by: sjp

Started cleaning up incompatible hardware section.

Revision 3.0.5 2001−09−04 Revised by: sjp

Updated CPU and motherboards sections. Added WAN Cards section and removed old "Frame Relay", "X.25", and "Synchronous PPP, Cisco HDLC" sections under Network adapters.

Revision 3.0.4 2001−06−25 Revised by: sjp

Updated Network adapters and Controllers (multiport) sections to include current Cyclades products. (Thanks to Ivan Passos at Cyclades for the update.)

Revision 3.0.3 2001−05−28 Revised by: sjp

Added USB section. Added note on non−x86 hardware to CPU section. Updated Motherboards section. Added a link to the Sound HOWTO in the Sound cards section. Folded Related sources of information section into introduction and removed dead links.

Revision 3.0.2 2001−05−10 Revised by: sjp

LDP−requested cleanup.

Revision 3.0.1 2001−05−07 Revised by: sjp

Updated modems section.

Revision 3.0.0 2001−04−22 Revised by: sjp

First DocBook version. Various updates.

---

# 2. Computers/Motherboards/BIOS

ISA, VLB, EISA, PCI, and AGP buses are all supported. All recent motherboards should work fine, although certain integrated controllers may or may not work well (or at all).

## 2.1. Specific system/motherboard/BIOS

*Please note that this is by no means a complete list. Please send updates.*

| Manufacturer | Model Number | Description | Notes |
|---|---|---|---|
| Intel | STL2 | ServerWorks chipset, dual Socket 370 (PIII), integrated video (ATI), ethernet (eepro100), and dual−channel SCSI (aic7xxx) | |
| Intel | 815EEA, 815EEA2L | Intel 815 chipset, Socket 370 (PIII/Celeron), integrated video, audio, ethernet (815EEA2L only) | video, sound, ethernet, etc. are all supported, although they require recent kernels and XFree86 |
| SuperMicro | 370DL3 | ServerWorks chipset, dual Socket 370 (PIII), integrated ethernet (eepro100), SCSI (aic7xxx) | |
| SuperMicro | 370DLE | ServerWorks chipset, dual Socket 370 (PIII), integrated ethernet (eepro100) | |
| SuperMicro | P6DGE | Intel 440GX chipset, dual Slot 1 (PII/PIII/Celeron) | |
| SuperMicro | P6DBE | Intel 440BX chipset, dual Slot 1 (PII/PIII/Celeron) | |
| Soyo | SY−K7VTA−B | VIA KT133 chipset, Socket A, integrated ATA/100 and AC97 audio | |
| Tyan | Thunder K7 (S2462NG/S2462UNG/S2462UNGM) | AMD 760MP chipset, dual Athlon MP, integrated | Early models |

| | | | |
|---|---|---|---|
| | | video (ATI RAGE XL), dual ethernet (2 x 3Com 3C920), dual−channel SCSI (Adaptec AIC−7899W − S2462UNG/S2462UNGM only) | apparently had bugs. Be sure you have a recent BIOS and a recent 2.2.x or 2.4.x kernel. |

The following are old notes and are probably out of date.

- IBM PS/2 MCA systems

  Supported since kernel version 2.0.7, but only for the stable kernel releases. For information you can look at the Micro Channel Linux Home Page. Software for MCA systems can be found here. Information on the MCA SCSI subsystem can be found here.
- EFA E5TX−AT motherboard has a solvable problem with RedHat Linux 5.0 and possibly other versions of Linux. It spontaneously reboots while probing hardware. To solve, update BIOS to version 1.01. Get the BIOS update here.
- The Zida 6MLX motherboard with PII Intel LX chipset is mentioned only to work with Linux when the PII cache is disabled in BIOS. BIOS upgrade does not solve the problem. Symptom is random reboots during or shortly after system boot.

## 2.2. Unsupported

- Supermicro P5MMA with BIOS versions 1.36, 1.37 and 1.4. Linux will not boot on this motherboard. A new (beta) release of the BIOS which makes Linux boot, is available here.
- Supermicro P5MMA98. Linux will not boot on this motherboard. A new (beta) release of the BIOS which makes Linux boot, is available here.
- DataExpert Corp. ExpertColor TX531 V1.0 motherboard with chipset ACER M1531 (Date: 9729, TS6) and ACER M1543 (Date: 9732 TS6) seems to present not reproducible segmentations faults, kernel oops and kernel hangs under heavy load and tape access. The problem seems to be the PCI−bus, respectively the ACER chipset.

# 3. Laptops

In general, any laptop will support Linux fine. Some specific features (wireless and video especially) may have issues, but these should not interfere with basic functionality.

Currently, laptops with the Intel® Centrino" logo are the most likely to work perfectly under Linux. The Intel PRO/Wireless 2100 and 2200 802.11b/g wireless cards are supported by drivers released by Intel that are being integrated into the stock Linux kernel. Accelerated 3D support for the on−board video is provided by the DRI project and is included in recent releases of X.org and XFree86.

For more information about Linux and laptops, the following sites are good starting points.

- Linux Laptop Homepage
- Linux Mobile Guide − A Guide for Laptops and Mobile Devices

Other information related to laptops can be found at the following sites:

- Avanced Power Management
- Notebook battery status
- non−blinking cursor
- other general info

## 3.1. Specific laptops

- Compaq Concerto (pen driver)
- Compaq Contura Aero
- IBM ThinkPad
- IBM Thinkpad 770 series
- NEC Versa M and P
- Tadpole P1000
- Tadpole P1000 (another one)
- TI TravelMate 4000M
- TI TravelMate 5100
- Toshiba Satellite Pro 400CDT

## 3.2. PCMCIA

See the PCMCIA/Cardbus section and the Linux PCMCIA HOWTO for more information on PCMCIA and Cardbus cards.

# 4. CPU/FPU

Please see this note for more on non−x86 hardware.

## 4.1. Intel

Intel 386SX/DX/SL, 486SX/DX/SL/SX2/DX2/DX4, Pentium, Pentium Pro, Pentium II, Pentium III (regular and Xeon versions), Pentium 4, and Celeron (including mobile versions of all of the above) are all supported.

## 4.2. AMD

AMD 386SX/DX, 486SX/DX/DX2/DX4, K5, K6, K6−2, K6−3, and Athlon (all varieties, including MP) are all supported. Older versions of K6 should be avoided as they are buggy. Setting "internal cache" disabled in bios setup can be a workaround. Some early K6−2 300Mhz have problems with the system chips.

AMD's 64−bit Opteron and Athlon64 processors, as well as the mobile Athlon64 (or Turion64), are also supported, running either in 32−bit or 64−bit mode. For 32−bit mode, compile a kernel for i386, optionally optimized for Athlons, since that's essentially what these processors look like in 32−bit mode. For 64−bit mode, compile a kernel for x86_64. It will still run 32−bit binaries, assuming all the appropriate libraries are available. Opteron and Athlon64 systems use standard PC hardware, so the information in this HOWTO still applies.

The old NexGen processors are also supported.

A few very early AMD 486DX's may hang in some special situations. All current chips should be okay and getting a chip swap for old CPU's should not be a problem.

## 4.3. Cyrix

Cyrix 386SX/DX, 486SX/DX, 5x86, 6x86, and MediaGX are all supported.

- enable cache on Cyrix processors
- Cyrix software cache control
- Cyrix 5x86 CPU register settings

## 4.4. IDT

IDT Winchip C6−PSME2006A processors are supported under Linux.

## 4.5. Transmeta

The Transmeta Crusoe processors are supported.

## 4.6. Misc. notes

Linux has built−in FPU emulation if you don't have a math coprocessor.

Linux supports SMP (multiple CPUs) in all 2.x kernels. See the Linux SMP HOWTO for more information.

ULSI Math*Co series has a bug in the FSAVE and FRSTOR instructions that causes problems with all protected mode operating systems. Some older IIT and Cyrix chips may also have this problem.

There are problems with TLB flushing in UMC U5S chips in very old kernels. (1.1.x)

---

# 5. Memory

All memory like DRAM, EDO and SDRAM can be used with Linux. Be aware that older kernels or kernels running on a mortherboard with an older BIOS may only be able to detect 64MB of RAM. If you have this problem, when you add more than 64 Mb of memory you have to add the following line to your LILO configuration file:

append="mem=<number of Mb>M"

So when you have 96 MB of memory this should become

append="mem=96M"

Don't use a number higher than the amount of RAM you really have. This will cause crashes.

---

# 6. Video cards

*Please note that this section is currently being updated, so some information may not be entirely correct or complete.*

Linux will work with all video cards in text mode, VGA cards not listed below probably will still work with mono VGA and/or standard VGA drivers.

If you're looking into buying a cheap video card to run X, keep in mind that accelerated cards (ATI Mach, ET4000/W32p, S3) are MUCH faster than unaccelerated or partially accelerated (Cirrus, WD) cards.

"32 bpp" is actually 24 bit color aligned on 32 bit boundaries. It does NOT mean the cards are capable of 32 bit color, they still display 24 bit color (16,777,216 colors). 24 bit packed pixels modes are not supported in XFree86, so cards that can do 24 bit modes to get higher resolutions in other OS's are not able to do this in X using XFree86. These cards include Mach32, Cirrus 542x, S3 801/805/868/968, ET4000, and others.

AGP (Accelerated Graphics Port) support is growing fast. Most of the X−servers (both freely available and proprietary versions) have more or less support for AGP.

## 6.1. XFree86

The following is a list of cards known to work with XFree86 versions 3.3.6 and/or 4.1.0. See the XFree86 web site for more information.

| **Card Name** | **Chipset** | **XFree86 3.3.x server** | **XFree86 4.x driver** | **Note** |
|---|---|---|---|---|
| 2 the Max MAXColor S3 Trio64V+ | S3 Trio64V+ | XF86_S3 | s3 | |
| 2−the−Max MAXColor 6000 | ET6300 | XF86_SVGA | tseng | |
| 3DLabs Oxygen GMX | PERMEDIA 2 | XF86_3DLabs | glint | |
| 3DVision−i740 AGP | Intel 740 | XF86_SVGA | i740 | |
| 3Dlabs Permedia2 (generic) | PERMEDIA 2 | XF86_3DLabs | glint | |
| 928Movie | S3 928 | XF86_S3 | vga | |
| ABIT G740 8MB SDRAM | Intel 740 | XF86_SVGA | i740 | |
| AGP 2D/3D V. 1N, AGP−740D | Intel 740 | XF86_SVGA | i740 | |
| AGX (generic) | AGX−014/15/16 | XF86_AGX | vga | |
| ALG−5434(E) | CL−GD5434 | XF86_SVGA | cirrus | |
| AOpen AGP 2X 3D Navigator PA740 | Intel 740 | XF86_SVGA | i740 | |
| AOpen PA2010 | Banshee | | tdfx | |
| AOpen PA45 | SiS6326 | XF86_SVGA | sis | |
| AOpen PA50D | SiS6326 | XF86_SVGA | sis | |
| AOpen PA50E | SiS6326 | XF86_SVGA | sis | |
| AOpen PA50V | SiS6326 | XF86_SVGA | sis | |
| AOpen PA80/DVD | SiS6326 | XF86_SVGA | sis | |
| AOpen PG128 | S3 Trio3D | XF86_SVGA | s3virge | |

| | | | | |
|---|---|---|---|---|
| AOpen PG975 | 3dimage975 | XF86_SVGA | trident | |
| AOpen PS3010 | RIVATNT2 | XF86_SVGA | nv | |
| AOpen PT70 | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| AOpen PT75 | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| AOpen PT80 | SiS6326 | XF86_SVGA | sis | |
| ARISTO i740 AGP (ART−i740−G) | Intel 740 | XF86_SVGA | i740 | |
| ASUS 3Dexplorer | RIVA128 | XF86_SVGA | nv | |
| ASUS AGP−V2740 | Intel 740 | XF86_SVGA | i740 | |
| ASUS PCI−AV264CT | ati | XF86_Mach64 | ati | |
| ASUS PCI−V264CT | ati | XF86_Mach64 | ati | |
| ASUS Video Magic PCI V864 | S3 864 | XF86_S3 | vga | |
| ASUS Video Magic PCI VT64 | S3 Trio64 | XF86_S3 | s3 | |
| AT25 | Alliance AT3D | XF86_SVGA | apm | |
| AT3D | Alliance AT3D | XF86_SVGA | apm | |
| ATI 3D Pro Turbo | ati | XF86_Mach64 | ati | |
| ATI 3D Pro Turbo PC2TV | ati | XF86_Mach64 | ati | |
| ATI 3D Xpression | ati | XF86_Mach64 | ati | |
| ATI 3D Xpression+ | ati | XF86_Mach64 | ati | |
| ATI 3D Xpression+ PC2TV | ati | XF86_Mach64 | ati | |
| ATI 8514 Ultra (no VGA) | ATI−Mach8 | XF86_Mach8 | vga | |
| ATI All−in−Wonder | ati | XF86_Mach64 | ati | |
| ATI All−in−Wonder 128 Pro AGP | ati | XF86_SVGA | r128 | |
| ATI All−in−Wonder Pro | ati | XF86_Mach64 | ati | |
| ATI FireGL 8700 | R200 | | radeon | |
| ATI FireGL 8800 | R200 | | radeon | |
| ATI FireGL D1100 | | | radeon | |
| ATI FireGL M22 GL | | | radeon | |
| ATI FireGL M24 GL | | | radeon | |
| ATI FireGL Mobility T2 | RV350 | | radeon | |
| ATI FireGL Mobility T2e | | | radeon | |
| ATI FireGL T2 | RV350 | | radeon | |
| ATI FireGL V3100 | | | radeon | |
| ATI FireGL V3200 | | | radeon | |
| ATI FireGL V5100 | | | radeon | |
| ATI FireGL V7100 | | | radeon | |
| ATI FireGL V7200 | | | radeon | |
| ATI FireGL X1 | R300 | | radeon | |
| ATI FireGL X2 | RV350 | | radeon | |
| ATI FireGL X3 | | | radeon | |
| ATI FireGL Z1 | R300 | | radeon | |
| ATI FireGL Z1/X1 | R300 | | radeon | |
| ATI Graphics Pro Turbo | ati | XF86_Mach64 | ati | |

| | | | | |
|---|---|---|---|---|
| ATI Graphics Pro Turbo 1600 | ati | XF86_Mach64 | ati | |
| ATI Graphics Ultra | ati | XF86_Mach8 | ati | |
| ATI Graphics Ultra Pro | ati | XF86_Mach32 | ati | |
| ATI Graphics Xpression | ati | XF86_Mach64 | ati | |
| ATI Mach32 | ati | XF86_Mach32 | ati | |
| ATI Mach64 | ati | XF86_Mach64 | ati | |
| ATI Mach64 3D RAGE II | ati | XF86_Mach64 | ati | |
| ATI Mach64 3D RAGE II+DVD | ati | XF86_Mach64 | ati | |
| ATI Mach64 3D Rage IIC | ati | XF86_Mach64 | ati | |
| ATI Mach64 3D Rage Pro | ati | XF86_Mach64 | ati | |
| ATI Mach64 CT (264CT) | ati | XF86_Mach64 | ati | |
| ATI Mach64 GT (264GT), aka 3D RAGE | ati | XF86_Mach64 | ati | |
| ATI Mach64 VT (264VT) | ati | XF86_Mach64 | ati | |
| ATI Mobility FireGL 7800 | RV200 | | radeon | |
| ATI Radeon (generic) | R100 | | radeon | |
| ATI Radeon 32 DDR (AGP) | R100 | | radeon | |
| ATI Radeon 32 SDR (AGP) | R100 | | radeon | |
| ATI Radeon 64 DDR (AGP) | R100 | | radeon | |
| ATI Radeon 7000 | RV100 | | radeon | |
| ATI Radeon 7000 IGP | | | radeon | |
| ATI Radeon 7200 | R100 | | radeon | |
| ATI Radeon 7500 | RV200 | | radeon | |
| ATI Radeon 8500 | R200 | | radeon | |
| ATI Radeon 8500LE | R200 | | radeon | |
| ATI Radeon 9000 | R250 | | radeon | |
| ATI Radeon 9000 Pro | R250 | | radeon | |
| ATI Radeon 9100 | R250 | | radeon | |
| ATI Radeon 9100 IGP | | | radeon | |
| ATI Radeon 9100 PRO IGP | | | radeon | |
| ATI Radeon 9200 | R250 | | radeon | |
| ATI Radeon 9200PRO | | | radeon | |
| ATI Radeon 9200SE | R250 | | radeon | |
| ATI Radeon 9500 | R300 | | radeon | |
| ATI Radeon 9500 Pro | R300 | | radeon | |
| ATI Radeon 9600 | R300 | | radeon | |
| ATI Radeon 9600 Pro | R300 | | radeon | |
| ATI Radeon 9700 | R300 | | radeon | |
| ATI Radeon 9700 Pro | R300 | | radeon | |
| ATI Radeon 9800 | R350 | | radeon | |
| ATI Radeon 9800 Pro | R350 | | radeon | |
| ATI Radeon 9800 XT | R350 | | radeon | |
| ATI Radeon AGP | R100 | | radeon | |

| | | | | |
|---|---|---|---|---|
| ATI Radeon AGP VIVO | R100 | | radeon | |
| ATI Radeon All In Wonder AGP | R100 | | radeon | |
| ATI Radeon IGP320 | | | radeon | |
| ATI Radeon IGP330/340/350 | | | radeon | |
| ATI Radeon IGP330M/340M/350M | | | radeon | |
| ATI Radeon Mobility 7000 | | | radeon | |
| ATI Radeon Mobility 7500 | RV200 | | radeon | |
| ATI Radeon Mobility 9100 IGP | | | radeon | |
| ATI Radeon Mobility 9200 | | | radeon | |
| ATI Radeon Mobility 9200 IGP | | | radeon | |
| ATI Radeon Mobility 9600 M10 | RV350 | | radeon | |
| ATI Radeon Mobility 9800 | | | radeon | |
| ATI Radeon Mobility M300 | | | radeon | |
| ATI Radeon Mobility M6 | RV100 | | radeon | |
| ATI Radeon Mobility M7 | RV200 | | radeon | |
| ATI Radeon Mobility M9 | R250 | | radeon | |
| ATI Radeon Mobility U1 | R300 | | radeon | |
| ATI Radeon Mobility X600 | | | radeon | |
| ATI Radeon VE | RV100 | | radeon | |
| ATI Radeon X300 | | | radeon | |
| ATI Radeon X600 | | | radeon | |
| ATI Radeon X800LE | | | radeon | |
| ATI Radeon X800PRO | | | radeon | |
| ATI Radeon X800SE | | | radeon | |
| ATI Radeon X800XT | | | radeon | |
| ATI Rage 128 | ati | XF86_SVGA | r128 | |
| ATI Rage 128 (generic) | ati | XF86_SVGA | r128 | |
| ATI Rage 128 Mobility | ati | | r128 | |
| ATI Rage 128 Pro Ultra | ati | XF86_SVGA | r128 | |
| ATI Rage Fury AGP | ati | XF86_SVGA | r128 | |
| ATI Rage Fury Pro AGP | ATI | XF86_SVGA | r128 | |
| ATI Rage LT | ati | XF86_Mach64 | ati | |
| ATI Rage LT PRO | ati | XF86_Mach64 | ati | |
| ATI Rage Mobility | ati | | ati | |
| ATI Rage Mobility M4 AGP | ati | XF86_SVGA | r128 | |
| ATI Rage Mobility P | ati | XF86_Mach64 | ati | |
| ATI Rage XL | ati | XF86_SVGA | ati | |
| ATI Rage XL AGP | ati | XF86_SVGA | ati | |
| ATI Ultra Plus | ati | XF86_Mach32 | ati | |
| ATI Video Boost | ati | XF86_Mach64 | ati | |
| ATI Video Charger | ati | XF86_Mach64 | ati | |
| ATI Video Xpression | ati | XF86_Mach64 | ati | |

| | | | | |
|---|---|---|---|---|
| ATI Video Xpression+ | ati | XF86_Mach64 | ati | |
| ATI WinBoost | ati | XF86_Mach64 | ati | |
| ATI WinCharger | ati | XF86_Mach64 | ati | |
| ATI WinTurbo | ati | XF86_Mach64 | ati | |
| ATI Wonder SVGA | ati | XF86_SVGA | ati | |
| ATI XPERT 128 AGP | ati | XF86_SVGA | r128 | |
| ATI XPERT 99 AGP | ati | XF86_SVGA | r128 | |
| ATI Xpert 128 AGP | ati | XF86_SVGA | r128 | |
| ATI Xpert 2000 AGP | ati | XF86_SVGA | r128 | |
| ATI Xpert 98 | ati | XF86_Mach64 | ati | |
| ATI Xpert 99 AGP | ati | XF86_SVGA | r128 | |
| ATI Xpert XL | ati | XF86_Mach64 | ati | |
| ATI Xpert@Play | ati | XF86_Mach64 | ati | |
| ATI Xpert@Play 98 | ati | XF86_Mach64 | ati | |
| ATI Xpert@Work | ati | XF86_Mach64 | ati | |
| ATI integrated on Intel Maui MU440EX motherboard | ati | XF86_Mach64 | ati | |
| ATrend ATC−2165A | ET6300 | XF86_SVGA | tseng | |
| AccelStar Permedia II AGP | PERMEDIA 2 | XF86_3DLabs | glint | |
| Acorp AGP i740 | Intel 740 | XF86_SVGA | i740 | |
| Actix GE32+ 2MB | S3 801/805 | XF86_S3 | vga | |
| Actix GE32i | S3 805i | XF86_S3 | vga | |
| Actix GE64 | S3 864 | XF86_S3 | vga | |
| Actix ProStar | CL−GD5420 | XF86_SVGA | cirrus | |
| Actix ProStar 64 | CL−GD5434 | XF86_SVGA | cirrus | |
| Actix Ultra | S3 928 | XF86_S3 | vga | |
| Acumos AVGA3 | CL−GD5420 | XF86_SVGA | cirrus | |
| Alliance ProMotion 6422 | AP6422 | XF86_SVGA | vga | |
| Appian Jeronimo 2000 | PERMEDIA 3 | | glint | |
| Aristo ART−390−G S3 Savage3D | Savage/MX | XF86_SVGA | savage | |
| Ark Logic ARK1000PV (generic) | ARK1000PV | XF86_SVGA | vga | |
| Ark Logic ARK1000VL (generic) | ARK1000VL | XF86_SVGA | vga | |
| Ark Logic ARK2000MT (generic) | ARK1000MT | XF86_SVGA | vga | |
| Ark Logic ARK2000PV (generic) | ARK1000PV | XF86_SVGA | vga | |
| Atrend (Speedy) 3DIO740 AGP (ATC−2740) | Intel 740 | XF86_SVGA | i740 | |
| Avance Logic 2101 | Avance Logic | XF86_SVGA | vga | |
| Avance Logic 2228 | Avance Logic | XF86_SVGA | vga | |
| Avance Logic 2301 | Avance Logic | XF86_SVGA | vga | |
| Avance Logic 2302 | Avance Logic | XF86_SVGA | vga | |
| Avance Logic 2308 | Avance Logic | XF86_SVGA | vga | |
| Avance Logic 2401 | Avance Logic | XF86_SVGA | vga | |
| Banshee (generic) | Banshee | | tdfx | |
| Binar Graphics AnyView | ET6300 | XF86_SVGA | tseng | |

| | | | | |
|---|---|---|---|---|
| Boca Vortex (Sierra RAMDAC) | AGX−015 | XF86_AGX | vga | |
| COMPAQ Armada 7380DMT | S3 Aurora64V+ | XF86_S3 | s3 | |
| COMPAQ Armada 7730MT | S3 Aurora64V+ | XF86_S3 | s3 | |
| California Graphics SunTracer 6000 | ET6300 | XF86_SVGA | tseng | |
| Canopus Co. Power Window 3DV | S3 ViRGE | XF86_SVGA | s3virge | |
| Canopus SPECTRA 3200R2 | RIVATNT | XF86_SVGA | nv | |
| Canopus SPECTRA 5400 | RIVATNT2 | XF86_SVGA | nv | |
| Canopus SPECTRA 5400 Premium Edition | RIVA ULTRA TNT2 | XF86_SVGA | nv | |
| Canopus Total−3D | Verite 1000 | XF86_SVGA | vga | |
| Cardex Challenger (Pro) | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Cardex Cobra | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Cardex Trio64 | S3 Trio64 | XF86_S3 | s3 | |
| Cardex Trio64Pro | S3 Trio64 | XF86_S3 | s3 | |
| Chaintech AGP−740D | Intel 740 | XF86_SVGA | i740 | |
| Chaintech Desperado 3F10 | Banshee | | tdfx | |
| Chaintech Desperado RI20 | RIVA128 | XF86_SVGA | nv | |
| Chaintech Desperado RI30 | RIVATNT | XF86_SVGA | nv | |
| Chaintech Desperado RI40/41 | RIVATNT2 | XF86_SVGA | nv | |
| Chaintech Desperado RI50 | RIVATNT2 | XF86_SVGA | nv | |
| Chaintech Desperado RI60 | RIVATNT2 | XF86_SVGA | nv | |
| Chaintech Desperado SI21 | SiS6326 | XF86_SVGA | sis | |
| Chaintech Desperado SI31 | SiS6326 | XF86_SVGA | sis | |
| Chaintech Tornado I7000 | Intel 740 | XF86_SVGA | i740 | |
| Chaintech Tornado S6000 | SiS6326 | XF86_SVGA | sis | |
| Chips & Technologies CT64200 | ct64300 | XF86_SVGA | chips | |
| Chips & Technologies CT64300 | ct64300 | XF86_SVGA | chips | |
| Chips & Technologies CT65520 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65525 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65530 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65535 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65540 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65545 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65546 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65548 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65550 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65554 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT65555 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT68554 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT69000 | ct69030 | XF86_SVGA | chips | |
| Chips & Technologies CT69030 | ct69030 | XF86_SVGA | chips | |
| Cirrus Logic GD542x | CL−GD5420 | XF86_SVGA | cirrus | |
| Cirrus Logic GD543x | CL−GD5434 | XF86_SVGA | cirrus | |

| | | | | |
|---|---|---|---|---|
| Cirrus Logic GD5446 (noname card) | CL−GD5440 | | cirrus | |
| Cirrus Logic GD544x | CL−GD5440 | | cirrus | |
| Cirrus Logic GD5462 | CL−GD5462 | XF86_SVGA | cirrus | |
| Cirrus Logic GD5464 | CL−GD5464 | XF86_SVGA | cirrus | |
| Cirrus Logic GD5465 | CL−GD5465 | XF86_SVGA | cirrus | |
| Cirrus Logic GD5480 | CL−GD5480 | XF86_SVGA | cirrus | |
| Cirrus Logic GD62xx (laptop) | CL−GD6205/15/25/35 | XF86_SVGA | vga | |
| Cirrus Logic GD64xx (laptop) | CL−GD6420/6440 | XF86_SVGA | vga | |
| Cirrus Logic GD754x (laptop) | CL−GD7541/42/43/48 | XF86_SVGA | vga | |
| Colorgraphic Dual Lightning | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Compaq Armada 7400 | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Compaq Armada 7800 | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Creative Blaster Exxtreme | PERMEDIA 2 | XF86_3DLabs | glint | |
| Creative Graphics Blaster TNT2 | RIVATNT2 | XF86_SVGA | nv | |
| Creative Labs 3D Blaster PCI (Verite 1000) | Verite 1000 | XF86_SVGA | vga | |
| Creative Labs Graphics Blaster 3D | CL−GD5464 | XF86_SVGA | cirrus | |
| Creative Labs Graphics Blaster Eclipse (OEM Model CT6510) | CL−GD5465 | XF86_SVGA | cirrus | |
| Creative Labs Graphics Blaster MA201 | CL−GD5440 | | cirrus | |
| Creative Labs Graphics Blaster MA202 | CL−GD5440 | | cirrus | |
| Creative Labs Graphics Blaster MA302 | CL−GD5462 | XF86_SVGA | cirrus | |
| Creative Labs Graphics Blaster MA334 | CL−GD5464 | XF86_SVGA | cirrus | |
| Creative Labs Savage 4 3D Blaster | Savage/MX | XF86_SVGA | savage | |
| Cyrix MediaGX | Geode | XF86_SVGA | geode | |
| DFI−WG1000 | CL−GD5420 | XF86_SVGA | cirrus | |
| DFI−WG5000 | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| DFI−WG6000 | WD90C33 | XF86_SVGA | vga | |
| DSV3325 | S3 ViRGE | XF86_SVGA | s3virge | |
| DSV3326 | S3 Trio64V+ | XF86_S3 | s3 | |
| DataExpert DSV3325 | S3 ViRGE | XF86_SVGA | s3virge | |
| DataExpert DSV3365 | S3 Trio64V+ | XF86_S3 | s3 | |
| Dell S3 805 | S3 801/805 | XF86_S3 | s3 | |
| Dell onboard ET4000 | ET4000 | XF86_SVGA | tseng | |
| Diamond Edge 3D | nv1 | XF86_SVGA | vga | |
| Diamond Fire GL 1000 | PERMEDIA | XF86_3DLabs | glint | |
| Diamond Fire GL 1000 PRO | PERMEDIA 2 | XF86_3DLabs | glint | |
| Diamond Fire GL 3000 | GLINT 500TX | XF86_3DLabs | glint | |
| Diamond Monster Fusion | Banshee | | tdfx | |
| Diamond Multimedia Stealth 3D 2000 | S3 ViRGE | XF86_SVGA | s3virge | |
| Diamond Multimedia Stealth 3D 2000 PRO | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| Diamond SpeedStar (Plus) | ET4000 | XF86_SVGA | tseng | |
| Diamond SpeedStar 24 | ET4000 | XF86_SVGA | tseng | |

| | | | | |
|---|---|---|---|---|
| Diamond SpeedStar 24X (not fully supported) | WD90C31 | XF86_SVGA | vga | |
| Diamond SpeedStar 64 | CL−GD5434 | XF86_SVGA | cirrus | |
| Diamond SpeedStar A50 | SiS6326 | XF86_SVGA | sis | |
| Diamond SpeedStar HiColor | ET4000 | XF86_SVGA | tseng | |
| Diamond SpeedStar Pro (not SE) | CL−GD5420 | XF86_SVGA | cirrus | |
| Diamond SpeedStar Pro 1100 | CL−GD5420 | XF86_SVGA | cirrus | |
| Diamond SpeedStar Pro SE (CL−GD5430/5434) | CL−GD5434 | XF86_SVGA | cirrus | |
| Diamond SpeedStar64 Graphics 2000/2200 | CL−GD5434 | XF86_SVGA | cirrus | |
| Diamond Stealth 24 | S3 801/805 | XF86_S3 | vga | |
| Diamond Stealth 32 | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Diamond Stealth 3D 2000 | S3 ViRGE | XF86_SVGA | s3virge | |
| Diamond Stealth 3D 2000 PRO | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| Diamond Stealth 3D 3000 | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| Diamond Stealth 3D 4000 | S3 ViRGE/GX2 | XF86_SVGA | s3virge | |
| Diamond Stealth 64 DRAM SE | S3 Trio32 | XF86_S3 | s3 | |
| Diamond Stealth 64 DRAM with S3 SDAC | S3 864 | XF86_S3 | vga | |
| Diamond Stealth 64 DRAM with S3 Trio64 | S3 Trio64 | XF86_S3 | s3 | |
| Diamond Stealth 64 VRAM | S3 964 | XF86_S3 | s3 | |
| Diamond Stealth 64 Video VRAM (TI RAMDAC) | S3 968 | XF86_S3 | s3 | |
| Diamond Stealth II S220 | Verite 2200 | XF86_SVGA | vga | |
| Diamond Stealth II/G460 AGP | Intel 740 | XF86_SVGA | i740 | |
| Diamond Stealth III (S520/S540) | Savage/MX | XF86_SVGA | savage | |
| Diamond Stealth Pro | S3 928 | XF86_S3 | vga | |
| Diamond Stealth VRAM | S3 911/924 | XF86_S3 | vga | |
| Diamond Stealth Video 2500 | Alliance AT24 | XF86_SVGA | apm | |
| Diamond Stealth Video DRAM | S3 868 | XF86_S3 | vga | |
| Diamond Stealth64 Graphics 2001 series | ARK2000PV | XF86_SVGA | vga | |
| Diamond Stealth64 Graphics 2xx0 series (864 + SDAC) | S3 864 | XF86_S3 | vga | |
| Diamond Stealth64 Graphics 2xx0 series (Trio64) | S3 Trio64 | XF86_S3 | s3 | |
| Diamond Stealth64 Video 2001 series (2121/2201) | S3 Trio64V+ | XF86_S3 | s3 | |
| Diamond Stealth64 Video 2120/2200 | S3 868 | XF86_S3 | vga | |
| Diamond Stealth64 Video 3200 | S3 968 | XF86_S3 | s3 | |
| Diamond Stealth64 Video 3240/3400 (IBM RAMDAC) | S3 968 | XF86_S3 | s3 | |
| Diamond Stealth64 Video 3240/3400 (TI RAMDAC) | S3 968 | XF86_S3 | s3 | |
| Diamond Viper 330 | RIVA128 | XF86_SVGA | nv | |
| Diamond Viper 550 | RIVATNT | XF86_SVGA | nv | |
| Diamond Viper 770 | RIVATNT2 | XF86_SVGA | nv | |
| Diamond Viper PCI 2Mb | Weitek 9000 | XF86_P9000 | vga | |
| Diamond Viper Pro Video | Weitek P9100 | XF86_SVGA | vga | |
| Diamond Viper VLB 2Mb | Weitek 9000 | XF86_P9000 | vga | |
| Digital 24−plane TGA (ZLXp−E2) | TGA | XF86_TGA | tga | |
| Digital 24−plane+3D TGA (ZLXp−E3) | TGA | XF86_TGA | tga | |

| | | | | |
|---|---|---|---|---|
| Digital 8−plane TGA (UDB/Multia) | TGA | XF86_TGA | tga | |
| Digital 8−plane TGA (ZLXp−E1) | TGA | XF86_TGA | tga | |
| EIZO (VRAM) | AGX−014/15/16 | XF86_AGX | vga | |
| ELSA ERAZOR II | RIVATNT | XF86_SVGA | nv | |
| ELSA ERAZOR III | RIVATNT2 | XF86_SVGA | nv | |
| ELSA GLoria Synergy | PERMEDIA 2 | XF86_3DLabs | glint | |
| ELSA GLoria−L | GLINT 500TX | XF86_3DLabs | glint | |
| ELSA GLoria−L/MX | GLINT MX | XF86_3DLabs | glint | |
| ELSA GLoria−S | PERMEDIA | XF86_3DLabs | glint | |
| ELSA GLoria−XL | GLINT MX | XF86_3DLabs | glint | |
| ELSA GLoria−XXL | GLINT MX | XF86_3DLabs | glint | |
| ELSA Gloria−4 | S3 968 | XF86_S3 | s3 | |
| ELSA Gloria−8 | S3 968 | XF86_S3 | s3 | |
| ELSA Synergy II | RIVATNT2 | XF86_SVGA | nv | |
| ELSA VICTORY ERAZOR | RIVA128 | XF86_SVGA | nv | |
| ELSA VICTORY ERAZOR LT | RIVA128 | XF86_SVGA | nv | |
| ELSA Victory 3D | S3 ViRGE | XF86_SVGA | s3virge | |
| ELSA Victory 3DX | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| ELSA WINNER 1000/T2D | S3 Trio64V2 | XF86_S3 | vesa | |
| ELSA Winner 1000 R3D | RIVA128 | XF86_SVGA | nv | |
| ELSA Winner 1000AVI (AT&T 20C409 version) | S3 868 | XF86_S3 | vga | |
| ELSA Winner 1000AVI (SDAC version) | S3 868 | XF86_S3 | vga | |
| ELSA Winner 1000ISA | S3 805i | XF86_S3 | vga | |
| ELSA Winner 1000PRO with S3 SDAC | S3 864 | XF86_S3 | vga | |
| ELSA Winner 1000PRO with STG1700 or AT&T RAMDAC | S3 864 | XF86_S3 | vga | |
| ELSA Winner 1000PRO/X | S3 868 | XF86_S3 | vga | |
| ELSA Winner 1000TRIO | S3 Trio64 | XF86_S3 | s3 | |
| ELSA Winner 1000TRIO/V | S3 Trio64V+ | XF86_S3 | s3 | |
| ELSA Winner 1000TwinBus | S3 928 | XF86_S3 | vga | |
| ELSA Winner 1000VL | S3 928 | XF86_S3 | vga | |
| ELSA Winner 2000 | S3 928 | XF86_S3 | vga | |
| ELSA Winner 2000/Office | PERMEDIA 2 | XF86_3DLabs | glint | |
| ELSA Winner 2000AVI | S3 968 | XF86_S3 | s3 | |
| ELSA Winner 2000AVI/3D | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| ELSA Winner 2000PRO−2 | S3 968 | XF86_S3 | s3 | |
| ELSA Winner 2000PRO−4 | S3 964 | XF86_S3 | s3 | |
| ELSA Winner 2000PRO/X−2 | S3 968 | XF86_S3 | s3 | |
| ELSA Winner 2000PRO/X−4 | S3 968 | XF86_S3 | s3 | |
| ELSA Winner 2000PRO/X−8 | S3 968 | XF86_S3 | s3 | |
| ELSA Winner 3000 | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| ELSA Winner 3000−L−42 | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| ELSA Winner 3000−M−22 | S3 ViRGE/VX | XF86_SVGA | s3virge | |

| | | | | |
|---|---|---|---|---|
| ELSA Winner 3000−S | S3 ViRGE | XF86_SVGA | s3virge | |
| EONtronics Picasso 740 | Intel 740 | XF86_SVGA | i740 | |
| EONtronics Van Gogh | Intel 740 | XF86_SVGA | i740 | |
| EPSON CardPC (onboard) | SPC8110 | XF86_SVGA | vesa | |
| EPSON SPC8110 (CardPC) | SPC8110 | XF86_SVGA | vga | |
| ET3000 (generic) | ET3000 | XF86_SVGA | tseng | |
| ET4000 (generic) | ET4000 | XF86_SVGA | tseng | |
| ET4000 W32i, W32p (generic) | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| ET4000/W32 (generic) | ET4000/W32 | XF86_W32 | tseng | |
| ET6000 (generic) | ET6300 | XF86_SVGA | tseng | |
| ET6100 (generic) | ET6300 | XF86_SVGA | tseng | |
| ET6300 (generic) | ET6300 | XF86_SVGA | tseng | |
| EliteGroup(ECS) 3DVision−i740 AGP | Intel 740 | XF86_SVGA | i740 | |
| Elsa Victory II | Banshee | | tdfx | |
| Elsa Winner T3D | S3 Trio3D | XF86_SVGA | s3virge | |
| Everex MVGA i740/AG | Intel 740 | XF86_SVGA | i740 | |
| ExpertColor DSV3325 | S3 ViRGE | XF86_SVGA | s3virge | |
| ExpertColor DSV3365 | S3 Trio64V+ | XF86_S3 | s3 | |
| Flagpoint Shocker i740 8MB | Intel 740 | XF86_SVGA | i740 | |
| Framebuffer driver (generic) | fb | | fbdev | |
| Gainward CardExpert 740 8MB | Intel 740 | XF86_SVGA | i740 | |
| Gainward Challenger EV | ET6300 | XF86_SVGA | tseng | |
| Generic VGA compatible | Generic VGA | XF86_VGA16 | vga | |
| Genoa 5400 | ET3000 | XF86_SVGA | tseng | |
| Genoa 8500VL(−28) | CL−GD5420 | XF86_SVGA | cirrus | |
| Genoa 8900 Phantom 32i | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Genoa Phantom 64i with S3 SDAC | S3 864 | XF86_S3 | vga | |
| Genoa Systems Phantom 740 | Intel 740 | XF86_SVGA | i740 | |
| Genoa VideoBlitz III AV | S3 968 | XF86_S3 | s3 | |
| Gigabyte Predator i740 8MB AGP | Intel 740 | XF86_SVGA | i740 | |
| Graphics Blaster TNT | RIVATNT | XF86_SVGA | nv | |
| Guillemot Maxi Gamer Xentor 32 | RIVATNT2 | XF86_SVGA | nv | |
| HOT−158 (Shuttle) | Intel 740 | XF86_SVGA | i740 | |
| Hercules Dynamite | ET4000/W32 | XF86_W32 | tseng | |
| Hercules Dynamite 128/Video | ET6300 | XF86_SVGA | tseng | |
| Hercules Dynamite 3D/GL | PERMEDIA 2 | XF86_3DLabs | glint | |
| Hercules Dynamite Power | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Hercules Dynamite Pro | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Hercules Dynamite TNT | RIVATNT | XF86_SVGA | nv | |
| Hercules Graphite HG210 | AGX−014 | XF86_AGX | vga | |
| Hercules Graphite Power | AGX−016 | XF86_AGX | vga | |
| Hercules Graphite Pro | AGX−015 | XF86_AGX | vga | |

| | | | | |
|---|---|---|---|---|
| Hercules Graphite Terminator 64 | S3 964 | XF86_S3 | s3 | |
| Hercules Graphite Terminator 64/DRAM | S3 Trio64 | XF86_S3 | s3 | |
| Hercules Graphite Terminator Pro 64 | S3 968 | XF86_S3 | s3 | |
| Hercules Stingray | ALG−2228/2301/2302 | XF86_SVGA | vga | |
| Hercules Stingray 128 3D | Alliance AT3D | XF86_SVGA | apm | |
| Hercules Stingray 64/V with ICS5342 | ARK2000MT | XF86_SVGA | vga | |
| Hercules Stingray 64/V with ZoomDAC | ARK1000PV | XF86_SVGA | vga | |
| Hercules Stingray Pro | ARK1000PV | XF86_SVGA | vga | |
| Hercules Stingray Pro/V | ARK1000PV | XF86_SVGA | vga | |
| Hercules Terminator 128 2X/i AGP | Intel 740 | XF86_SVGA | i740 | |
| Hercules Terminator 128/3D | S3 Trio3D | XF86_SVGA | s3virge | |
| Hercules Terminator 3D/DX | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| Hercules Terminator 64/3D | S3 ViRGE | XF86_SVGA | s3virge | |
| Hercules Terminator 64/Video | S3 Trio64V+ | XF86_S3 | s3 | |
| Hercules Thriller3D | Verite 2200 | XF86_SVGA | vga | |
| Integral FlashPoint | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Intel 5430 | CL−GD5434 | XF86_SVGA | cirrus | |
| Intel 740 (generic) | Intel 740 | XF86_SVGA | i740 | |
| Intel 810 | Intel 810 | XF86_SVGA | i810 | |
| Intel 815 | Intel 815 | XF86_SVGA | i810 | |
| Intel 815e | Intel 815 | XF86_SVGA | i810 | |
| Intel 830 | Intel 830 | | i810 | |
| Intel 845 | Intel 845 | | i810 | |
| Intel 852 | Intel 852 | | i810 | |
| Intel 855 | Intel 855 | | i810 | |
| Intel 865 | Intel 865 | | i810 | |
| Intel 915 | | | i810 | |
| Intel Express 3D AGP | Intel 740 | XF86_SVGA | i740 | |
| Interay PMC Viper | ET6300 | XF86_SVGA | tseng | |
| JAX 8241 | S3 801/805 | XF86_S3 | vga | |
| Jaton Video−58P | ET6300 | XF86_SVGA | tseng | |
| Jaton Video−70P | CL−GD5464 | XF86_SVGA | cirrus | |
| Jaton Video−740 AGP 3D | Intel 740 | XF86_SVGA | i740 | |
| Jazz Multimedia G−Force 128 | ET6300 | XF86_SVGA | tseng | |
| Jetway J−740−3D 8MB AGP, i740 AGP 3D | Intel 740 | XF86_SVGA | i740 | |
| Joymedia Apollo 7400 | Intel 740 | XF86_SVGA | i740 | |
| KouTech KeyVision 128 EV | ET6300 | XF86_SVGA | tseng | |
| LeadTek WinFast 3D S600 | S3 ViRGE | XF86_SVGA | s3virge | |
| LeadTek WinFast 3D S680 | S3 ViRGE/GX2 | XF86_SVGA | s3virge | |
| LeadTek WinFast S200 | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| LeadTek WinFast S430 | S3 968 | XF86_S3 | s3 | |
| LeadTek WinFast S510 | S3 968 | XF86_S3 | s3 | |

| | | | | |
|---|---|---|---|---|
| Leadtek WinFast 2300 | PERMEDIA 2 | XF86_3DLabs | glint | |
| Leadtek WinFast 3D S320 | RIVATNT | XF86_SVGA | nv | |
| Leadtek WinFast 3D S320II | RIVATNT2 | XF86_SVGA | nv | |
| Leadtek WinFast 3D S3500 | RIVA128 | XF86_SVGA | nv | |
| Leadtek Winfast S900 | Intel 740 | XF86_SVGA | i740 | |
| MAXI Gamer AGP 8 MB | Intel 740 | XF86_SVGA | i740 | |
| MELCO WGA−TS | RIVATNT2 | XF86_SVGA | nv | |
| MELCO WGP−VG4S | S3 ViRGE | XF86_SVGA | s3virge | |
| MELCO WGP−VX8 | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| MSI MS−4417 | SiS6326 | XF86_SVGA | sis | |
| MachSpeed VGA ET6000 | ET6300 | XF86_SVGA | tseng | |
| Machspeed Raptor i740 AGP 4600 | Intel 740 | XF86_SVGA | i740 | |
| Magic−Pro MP−740DVD | Intel 740 | XF86_SVGA | i740 | |
| Matrox Comet | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Matrox Marvel II | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| Matrox Millennium | mga2064w | XF86_SVGA | mga | |
| Matrox Millennium G200 | mgag200 | XF86_SVGA | mga | |
| Matrox Millennium G400 | mgag400 | XF86_SVGA | mga | |
| Matrox Millennium G450 | mgag450 | | mga | |
| Matrox Millennium G550 | mgag550 | | mga | |
| Matrox Millennium II | mga2164w | XF86_SVGA | mga | |
| Matrox Mystique | mga1064sg | XF86_SVGA | mga | |
| Matrox Mystique G200 | mgag200 | XF86_SVGA | mga | |
| Matrox Productiva G100 | mgag100 | XF86_SVGA | mga | |
| MediaVision Proaxcel 128 | ET6300 | XF86_SVGA | tseng | |
| Mirage Z−128 | ET6300 | XF86_SVGA | tseng | |
| Miro CRYSTAL VRX | Verite 1000 | XF86_SVGA | vga | |
| Miro Crystal 10SD with GenDAC | S3 801/805 | XF86_S3 | vga | |
| Miro Crystal 12SD | S3 Trio32 | XF86_S3 | s3 | |
| Miro Crystal 16S | S3 928 | XF86_S3 | vga | |
| Miro Crystal 20SD PCI with S3 SDAC | S3 868 | XF86_S3 | vga | |
| Miro Crystal 20SD VLB with S3 SDAC (BIOS 3.xx) | S3 864 | XF86_S3 | vga | |
| Miro Crystal 20SD with ICD2061A (BIOS 2.xx) | S3 864 | XF86_S3 | vga | |
| Miro Crystal 20SD with ICS2494 (BIOS 1.xx) | S3 864 | XF86_S3 | vga | |
| Miro Crystal 20SV | S3 964 | XF86_S3 | vesa | |
| Miro Crystal 22SD | S3 Trio64 | XF86_S3 | s3 | |
| Miro Crystal 40SV | S3 964 | XF86_S3 | s3 | |
| Miro Crystal 80SV | S3 968 | XF86_S3 | s3 | |
| Miro Crystal 8S | S3 801/805 | XF86_S3 | s3 | |
| Miro Crystal DVD | SiS6326 | XF86_SVGA | sis | |
| Miro MiroMedia 3D | S3 ViRGE | XF86_SVGA | s3virge | |
| Miro MiroVideo 20TD | ET4000/W32(i/p) | XF86_SVGA | tseng | |

| | | | | |
|---|---|---|---|---|
| Miro Video 20SV | S3 968 | XF86_S3 | s3 | |
| NVIDIA GeForce | GeForce | XF86_SVGA | nv | |
| NVIDIA GeForce 2 (generic) | GeForce 2 | | nv | |
| NVIDIA GeForce 2 GTS (generic) | GeForce 2 | | nv | |
| NVIDIA GeForce 2 MX (generic) | GeForce 2 | | nv | |
| NVIDIA GeForce 256 (generic) | GeForce 256 | | nv | |
| NVIDIA GeForce 3 (generic) | GeForce 3 | | nv | |
| NVIDIA GeForce 4 (generic) | GeForce 4 | | nv | |
| NVIDIA GeForce 4 MX (generic) | GeForce 4 | | nv | |
| NVIDIA GeForce 6200 | | | nv | |
| NVIDIA GeForce 6600 | | | nv | |
| NVIDIA GeForce 6600 GT | | | nv | |
| NVIDIA GeForce 6610 XL | | | nv | |
| NVIDIA GeForce 6800 | | | nv | |
| NVIDIA GeForce 6800 GT | | | nv | |
| NVIDIA GeForce 6800 LE | | | nv | |
| NVIDIA GeForce 6800 Ultra | | | nv | |
| NVIDIA GeForce DDR (generic) | GeForce DDR | | nv | |
| NVIDIA GeForce FX (generic) | GeForce FX | | nv | |
| NVIDIA GeForce FX 5100 | | | nv | |
| NVIDIA GeForce FX 5500 | | | nv | |
| NVIDIA GeForce Go 6600 | | | nv | |
| NVIDIA GeForce Go 6600 TE/6200 TE | | | nv | |
| NVIDIA GeForce4 448 Go | | | nv | |
| NVIDIA Quadro 4 (generic) | Quadro 4 | | nv | |
| NVIDIA Quadro FX (generic) | Quadro FX | | nv | |
| NVIDIA Quadro FX 4000 | | | nv | |
| NVIDIA Quadro FX 4400 | | | nv | |
| NVIDIA Quadro FX 540 | | | nv | |
| NVIDIA Quadro FX 700 | | | nv | |
| NVIDIA Quadro NVS 50 PCI | | | nv | |
| NVIDIA Riva 128 (generic) | RIVA128 | XF86_SVGA | nv | |
| NVIDIA Riva TNT (generic) | RIVATNT | XF86_SVGA | nv | |
| NVIDIA Riva TNT2 (generic) | RIVATNT2 | XF86_SVGA | nv | |
| NVIDIA Unknown (generic) | | | nv | |
| NatSemi Geode | Geode | XF86_SVGA | geode | |
| NeoMagic (laptop/notebook) | | | neomagic | |
| NeoMagic 128XD (laptop/notebook) | | | neomagic | |
| NeoMagic 256 (laptop/notebook) | MagicGraph 256 series | | neomagic | |
| NeoMagic MagicGraph 128 (laptop/notebook) | NM2070 | | neomagic | |
| NeoMagic MagicGraph 128V (laptop/notebook) | NM2090 | | neomagic | |

| | | | | |
|---|---|---|---|---|
| NeoMagic MagicGraph 128XD (laptop/notebook) | NM2160 | | neomagic | |
| NeoMagic MagicGraph 128ZV (laptop/notebook) | NM2093 | | neomagic | |
| NeoMagic MagicGraph 128ZV+ (laptop/notebook) | NM2093 | | neomagic | |
| NeoMagic MagicMedia 256AV (laptop/notebook) | NM2200 | | neomagic | |
| NeoMagic MagicMedia 256AV+ (laptop/notebook) | NM2230 | | neomagic | |
| NeoMagic MagicMedia 256XL+ (laptop/notebook) | NM2380 | | neomagic | |
| NeoMagic MagicMedia 256ZX (laptop/notebook) | NM2360 | | neomagic | |
| Number Nine FX Motion 331 | S3 Trio64V+ | XF86_S3 | s3 | |
| Number Nine FX Motion 332 | S3 ViRGE | XF86_SVGA | s3virge | |
| Number Nine FX Motion 531 | S3 868 | XF86_S3 | vga | |
| Number Nine FX Motion 771 | S3 968 | XF86_S3 | s3 | |
| Number Nine FX Reality 772 | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| Number Nine FX Vision 330 | S3 Trio64 | XF86_S3 | s3 | |
| Number Nine GXE Level 10/11/12 | S3 928 | XF86_S3 | vga | |
| Number Nine GXE Level 14/16 | S3 928 | XF86_S3 | vga | |
| Number Nine GXE64 | S3 864 | XF86_S3 | vga | |
| Number Nine GXE64 Pro | S3 964 | XF86_S3 | s3 | |
| Number Nine GXE64 with S3 Trio64 | S3 Trio64 | XF86_S3 | s3 | |
| Number Nine Imagine 128 | I128 | XF86_I128 | i128 | |
| Number Nine Imagine 128 (2−8MB) | I128 | XF86_I128 | i128 | |
| Number Nine Imagine 128 Series 2 (2−4MB) | I128 | XF86_I128 | i128 | |
| Number Nine Imagine 128 T2R | I128 | XF86_I128 | i128 | |
| Number Nine Revolution 3D AGP T2R | I128 | XF86_I128 | i128 | |
| Number Nine Revolution IV (T2R4) | I128 | XF86_I128 | i128 | |
| Number Nine Visual 9FX Reality 332 | S3 ViRGE | XF86_SVGA | s3virge | |
| Oak 87 ISA (generic) | Oak OTI−087 | XF86_SVGA | vga | |
| Oak 87 VLB (generic) | Oak OTI−087 | XF86_SVGA | vga | |
| Oak ISA Card (generic) | Oak OTI−067/77 | XF86_SVGA | vga | |
| Ocean (octek) VL−VGA−1000 | ARK1000VL | XF86_SVGA | vga | |
| Octek AVGA−20 | CL−GD5420 | XF86_SVGA | cirrus | |
| Octek Combo−26 | CL−GD5420 | XF86_SVGA | cirrus | |
| Octek Combo−28 | CL−GD5420 | XF86_SVGA | cirrus | |
| Octek VL−VGA−26 | CL−GD5420 | XF86_SVGA | cirrus | |
| Octek VL−VGA−28 | CL−GD5420 | XF86_SVGA | cirrus | |
| Orchid Celsius (AT&T RAMDAC) | AGX−015 | XF86_AGX | vga | |
| Orchid Celsius (Sierra RAMDAC) | AGX−015 | XF86_AGX | vga | |
| Orchid Fahrenheit 1280 | S3 911/924 | XF86_S3 | vga | |
| Orchid Fahrenheit VA | S3 801/805 | XF86_S3 | vga | |
| Orchid Fahrenheit−1280+ | S3 801/805 | XF86_S3 | vga | |
| Orchid Kelvin 64 | CL−GD5434 | XF86_SVGA | cirrus | |
| Orchid Kelvin 64 VLB Rev A | CL−GD5434 | XF86_SVGA | cirrus | |
| Orchid Kelvin 64 VLB Rev B | CL−GD5434 | XF86_SVGA | cirrus | |

| | | | | |
|---|---|---|---|---|
| Orchid P9000 VLB | Weitek 9000 | XF86_P9000 | vga | |
| Orchid Technology Fahrenheit Video 3D | S3 ViRGE | XF86_SVGA | s3virge | |
| PC−Chips M567 Mainboard | SiS5597 | XF86_SVGA | sis | |
| Palit Daytona AGP740 | Intel 740 | XF86_SVGA | i740 | |
| Paradise Accelerator Value | Oak OTI−087 | XF86_SVGA | vga | |
| Paradise/WD 90CXX | WD90CXX | XF86_SVGA | vga | |
| PixelView Combo TV 3D AGP (Prolink) | CL−GD5465, 4MB | XF86_SVGA | vga | |
| PixelView Combo TV Pro (Prolink) | CL−GD5480, 4MB | XF86_SVGA | vga | |
| PowerColor C740 (SG/SD) AGP | Intel 740 | XF86_SVGA | i740 | |
| QDI Amazing I | Intel 740 | XF86_SVGA | i740 | |
| RIVA TNT | RIVATNT | XF86_SVGA | nv | |
| RIVA TNT2 | RIVATNT2 | XF86_SVGA | nv | |
| RIVA Ultra TNT2 | RIVA ULTRA TNT2 | XF86_SVGA | nv | |
| RIVA128 | RIVA128 | XF86_SVGA | nv | |
| Real3D Starfighter AGP | Intel 740 | XF86_SVGA | i740 | |
| Real3D Starfighter PCI | Intel 740 | XF86_SVGA | i740 | |
| Rendition Verite 1000 | Verite 1000 | XF86_SVGA | vga | |
| Rendition Verite 2x00 | Verite 2200 | XF86_SVGA | vga | |
| Revolution 3D T2R | I128 | XF86_I128 | i128 | |
| S3 801/805 (generic) | S3 801/805 | XF86_S3 | s3 | |
| S3 801/805 with ATT20c490 RAMDAC | S3 801/805 | XF86_S3 | vga | |
| S3 801/805 with ATT20c490 RAMDAC and ICD2061A | S3 801/805 | XF86_S3 | vga | |
| S3 801/805 with Chrontel 8391 | S3 801/805 | XF86_S3 | vga | |
| S3 801/805 with S3 GenDAC | S3 801/805 | XF86_S3 | vga | |
| S3 801/805 with SC1148{2,3,4} RAMDAC | S3 801/805 | XF86_S3 | vga | |
| S3 801/805 with SC1148{5,7,9} RAMDAC | S3 801/805 | XF86_S3 | vga | |
| S3 864 (generic) | S3 864 | XF86_S3 | vga | |
| S3 864 with ATT 20C498 or 21C498 | S3 864 | XF86_S3 | vga | |
| S3 864 with SDAC (86C716) | S3 864 | XF86_S3 | vga | |
| S3 864 with STG1703 | S3 864 | XF86_S3 | vga | |
| S3 868 (generic) | S3 868 | XF86_S3 | vga | |
| S3 868 with ATT 20C409 | S3 868 | XF86_S3 | vga | |
| S3 868 with ATT 20C498 or 21C498 | S3 868 | XF86_S3 | vga | |
| S3 868 with SDAC (86C716) | S3 868 | XF86_S3 | vga | |
| S3 86C260 (ViRGE/MX) | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| S3 86C280 (ViRGE/MX+) | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| S3 86C325 (ViRGE) | S3 ViRGE | XF86_SVGA | s3virge | |
| S3 86C357 (ViRGE/GX2) | S3 ViRGE/GX2 | XF86_SVGA | s3virge | |
| S3 86C365 (Trio3D) | S3 Trio3D | XF86_SVGA | s3virge | |
| S3 86C368 (Trio3D/2X) | S3 Trio3D | XF86_SVGA | s3virge | |
| S3 86C375 (ViRGE/DX) | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| S3 86C385 (ViRGE/GX) | S3 ViRGE/GX | XF86_SVGA | s3virge | |

| | | | | |
|---|---|---|---|---|
| S3 86C390 (Savage3D) | Savage/MX | XF86_SVGA | savage | |
| S3 86C391 (Savage3D) | Savage/MX | XF86_SVGA | savage | |
| S3 86C395 (Savage4 Pro+) | Savage/MX | XF86_SVGA | savage | |
| S3 86C396 (Savage4) | Savage/MX | XF86_SVGA | savage | |
| S3 86C397 (Savage4) | Savage/MX | XF86_SVGA | savage | |
| S3 86C764 (Trio64) | S3 Trio64 | XF86_S3 | s3 | |
| S3 86C765 (Trio64V+) | S3 Trio64V+ | XF86_S3 | s3 | |
| S3 86C775 (Trio64V2/DX) | S3 Trio64V2 | XF86_S3 | vesa | |
| S3 86C785 (Trio64V2/GX) | S3 Trio64V2 | XF86_S3 | vesa | |
| S3 86C801 (generic) | S3 801/805 | XF86_S3 | s3 | |
| S3 86C805 (generic) | S3 801/805 | XF86_S3 | s3 | |
| S3 86C864 (generic) | S3 864 | XF86_S3 | vga | |
| S3 86C868 (generic) | S3 868 | XF86_S3 | vga | |
| S3 86C911 (generic) | S3 911/924 | XF86_S3 | vga | |
| S3 86C924 (generic) | S3 911/924 | XF86_S3 | vga | |
| S3 86C928 (generic) | S3 928 | XF86_S3 | vga | |
| S3 86C964 (generic) | S3 964 | XF86_S3 | s3 | |
| S3 86C968 (generic) | S3 968 | XF86_S3 | s3 | |
| S3 86C988 (ViRGE/VX) | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| S3 86CM65 (Aurora64V+) | S3 Aurora64V+ | XF86_S3 | s3 | |
| S3 911/924 (generic) | S3 911/924 | XF86_S3 | vga | |
| S3 924 with SC1148 DAC | S3 911/924 | XF86_S3 | vga | |
| S3 928 (generic) | S3 928 | XF86_S3 | vga | |
| S3 964 (generic) | S3 964 | XF86_S3 | s3 | |
| S3 968 (generic) | S3 968 | XF86_S3 | s3 | |
| S3 Aurora64V+ (generic) | S3 Aurora64V+ | XF86_S3 | s3 | |
| S3 ProSavage KM133 | ProSavage/Twister | | savage | |
| S3 ProSavage KN133 | ProSavage/Twister | | savage | |
| S3 ProSavage PM133 | ProSavage/Twister | | savage | |
| S3 ProSavage PN133 | ProSavage/Twister | | savage | |
| S3 Savage (generic) | Savage/MX | XF86_SVGA | savage | |
| S3 Savage 2000 (generic) | S3 Savage2000 | XF86_SVGA | savage | |
| S3 Savage/IX | Savage/IX | | savage | |
| S3 Savage/MX | Savage/MX | XF86_SVGA | savage | |
| S3 Savage3D | Savage/MX | XF86_SVGA | savage | |
| S3 Savage4 | Savage/MX | XF86_SVGA | savage | |
| S3 Savage4 (generic) | Savage/MX | XF86_SVGA | savage | |
| S3 Savage4 Pro+ | Savage/MX | XF86_SVGA | savage | |
| S3 Trio32 (generic) | S3 Trio32 | XF86_S3 | s3 | |
| S3 Trio3D | S3 Trio3D | XF86_SVGA | s3virge | |
| S3 Trio3D/2X | S3 Trio3D | XF86_SVGA | s3virge | |
| S3 Trio64 (generic) | S3 Trio64 | XF86_S3 | s3 | |

| | | | | |
|---|---|---|---|---|
| S3 Trio64 3D | S3 Trio3D | | s3virge | |
| S3 Trio64V+ (generic) | S3 Trio64V+ | XF86_S3 | s3 | |
| S3 Trio64V2 (Unsupported RAMDAC) | s3virge | | vesa | |
| S3 Trio64V2 (generic) | S3 Trio64V2 | XF86_S3 | vesa | |
| S3 Trio64V2/DX (generic) | S3 Trio64V2 | XF86_S3 | vesa | |
| S3 Trio64V2/GX (generic) | S3 Trio64V2 | XF86_S3 | vesa | |
| S3 UniChrome | UniChrome | | via | |
| S3 ViRGE (generic) | S3 ViRGE | XF86_SVGA | s3virge | |
| S3 ViRGE (old S3V server) | S3 ViRGE | XF86_S3V | | |
| S3 ViRGE/DX (generic) | S3 ViRGE/DX | XF86_SVGA | s3virge | |
| S3 ViRGE/GX (generic) | S3 ViRGE/GX | XF86_SVGA | s3virge | |
| S3 ViRGE/GX2 (generic) | S3 ViRGE/GX2 | XF86_SVGA | s3virge | |
| S3 ViRGE/MX (generic) | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| S3 ViRGE/MX+ (generic) | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| S3 ViRGE/VX (generic) | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| S3 Vision864 (generic) | S3 864 | XF86_S3 | vga | |
| S3 Vision868 (generic) | S3 868 | XF86_S3 | vga | |
| S3 Vision964 (generic) | S3 964 | XF86_S3 | s3 | |
| S3 Vision968 (generic) | S3 968 | XF86_S3 | s3 | |
| SHARP 9080 | S3 Aurora64V+ | XF86_S3 | s3 | |
| SHARP 9090 | S3 Aurora64V+ | XF86_S3 | s3 | |
| SNI PC5H W32 | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| SNI Scenic W32 | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| SPEA Mercury 64 | S3 964 | XF86_S3 | s3 | |
| SPEA Mirage | S3 801/805 | XF86_S3 | vga | |
| SPEA/V7 Mercury | S3 928 | XF86_S3 | vga | |
| SPEA/V7 Mirage P64 | S3 864 | XF86_S3 | vga | |
| SPEA/V7 Mirage P64 with S3 Trio64 | S3 Trio64 | XF86_S3 | s3 | |
| SPEA/V7 Mirage VEGA Plus | ALG−2228 | XF86_SVGA | vga | |
| SPEA/V7 ShowTime Plus | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| STB Horizon | CL−GD5420 | XF86_SVGA | cirrus | |
| STB Horizon Video | CL−GD5440 | | cirrus | |
| STB LightSpeed | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| STB LightSpeed 128 | ET6300 | XF86_SVGA | tseng | |
| STB MVP−2 | ET4000 | XF86_SVGA | tseng | |
| STB MVP−2 PCI | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| STB MVP−2X | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| STB MVP−4 PCI | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| STB MVP−4X | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| STB Nitro (64) | CL−GD5434 | XF86_SVGA | cirrus | |
| STB Nitro 3D | S3 ViRGE/GX | XF86_SVGA | s3virge | |
| STB Nitro 64 Video | CL−GD5440 | | cirrus | |

| | | | | |
|---|---|---|---|---|
| STB Pegasus | S3 928 | XF86_S3 | vga | |
| STB Powergraph 64 | S3 Trio64 | XF86_S3 | s3 | |
| STB Powergraph 64 Video | S3 Trio64V+ | XF86_S3 | s3 | |
| STB Powergraph X−24 | S3 801/805 | XF86_S3 | vga | |
| STB Systems Powergraph 3D | S3 ViRGE | XF86_SVGA | s3virge | |
| STB Systems Velocity 3D | S3 ViRGE/VX | XF86_SVGA | s3virge | |
| STB Velocity 128 | RIVA128 | XF86_SVGA | nv | |
| STB Velocity 64 Video | S3 968 | XF86_S3 | s3 | |
| STB nvidia 128 | RIVA128 | XF86_SVGA | nv | |
| SiS 300 | SiS300 | XF86_SVGA | sis | |
| SiS 300/305 | | | sis | |
| SiS 315 | SiS315 | | sis | |
| SiS 315H | SiS315H | | sis | |
| SiS 315Pro | | | sis | |
| SiS 330 Xabre | | | sis | |
| SiS 340 | | | sis | |
| SiS 3D PRO AGP | SiS6326 | XF86_SVGA | sis | |
| SiS 530 | SiS530 | XF86_SVGA | sis | |
| SiS 530/620 | SiS530 | | sis | |
| SiS 540 | SiS540 | XF86_SVGA | sis | |
| SiS 550 | | | sis | |
| SiS 5597 | SiS5597 | XF86_SVGA | sis | |
| SiS 5597/5598 | | | sis | |
| SiS 5598 | SIS5598 | XF86_SVGA | sis | |
| SiS 620 | SIS620 | XF86_SVGA | sis | |
| SiS 630 | SiS630 | XF86_SVGA | sis | |
| SiS 630/730 | SiS630 | | sis | |
| SiS 6326 | SiS6326 | XF86_SVGA | sis | |
| SiS 650/M650/651/740 | SiS650 | | sis | |
| SiS 660/661FX/M661FX/M661MX/741/741GX/M741/760/M760 | | | sis | |
| SiS SG86C201 | SIS86C201 | XF86_SVGA | sis | |
| SiS SG86C205 | SIS86C205 | XF86_SVGA | sis | |
| SiS SG86C215 | SIS86C215 | XF86_SVGA | sis | |
| SiS SG86C225 | SIS86C225 | XF86_SVGA | sis | |
| Sierra Screaming 3D | Verite 1000 | XF86_SVGA | vga | |
| Sigma Concorde | ET4000/W32 | XF86_W32 | tseng | |
| Sigma Legend | ET4000 | XF86_SVGA | tseng | |
| Silicon Motion Lynx (generic) | Lynx | XF86_SVGA | siliconmotion | |
| Silicon Motion LynxEM | Lynx | XF86_SVGA | siliconmotion | |
| Soyo AGP (SY−740 AGP) | Intel 740 | XF86_SVGA | i740 | |
| Spacewalker Hot−158 | Intel 740 | XF86_SVGA | i740 | |

| | | | | |
|---|---|---|---|---|
| Spider Black Widow | AGX−015 | XF86_AGX | vga | |
| Spider Black Widow Plus | AGX−016 | XF86_AGX | vga | |
| Spider Tarantula 64 | S3 964 | XF86_S3 | s3 | |
| Spider VLB Plus | CL−GD5420 | XF86_SVGA | cirrus | |
| TechWorks Thunderbolt | ET4000/W32 | XF86_W32 | tseng | |
| Techworks Ultimate 3D | CL−GD5464 | XF86_SVGA | cirrus | |
| Toshiba Satellite 2050 CDS | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Toshiba Satellite 2520 CDS | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Toshiba Satellite 4030CDT | Cyber9525 | XF86_SVGA | trident | |
| Toshiba Satellite 4060CDT | Cyber9525 | XF86_SVGA | trident | |
| Toshiba Satellite 4080CDT | Cyber9525 | XF86_SVGA | trident | |
| Toshiba Tecra 540CDT | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Toshiba Tecra 550CDT | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Toshiba Tecra 750CDT | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Toshiba Tecra 750DVD | S3 ViRGE/MX | XF86_SVGA | s3virge | |
| Trident 3DImage975 (generic) | 3dimage975 | XF86_SVGA | trident | |
| Trident 3DImage975 AGP | 3dimage975 | XF86_SVGA | trident | |
| Trident 3DImage985 (generic) | 3dimage985 | XF86_SVGA | trident | |
| Trident 8900/9000 (generic) | TVGA8900/9000 | XF86_SVGA | vga | |
| Trident 8900D (generic) | TVGA8900D | XF86_SVGA | vga | |
| Trident 9910 | CyberBladeXP | XF86_SVGA | trident | |
| Trident 9930 | CyberBladeXPm | XF86_SVGA | trident | |
| Trident Blade3D (generic) | Blade3D | XF86_SVGA | trident | |
| Trident Cyber 9320 (generic) | Cyber9320 | XF86_SVGA | trident | |
| Trident Cyber 9325 (generic) | Cyber9325 | XF86_SVGA | trident | |
| Trident Cyber 9382 (generic) | Cyber9382 | XF86_SVGA | trident | |
| Trident Cyber 9385 (generic) | Cyber9385 | XF86_SVGA | trident | |
| Trident Cyber 9388 (generic) | Cyber9388 | XF86_SVGA | trident | |
| Trident Cyber 9397 (generic) | Cyber9397 | XF86_SVGA | trident | |
| Trident Cyber 939a (generic) | Cyber939a | | trident | |
| Trident Cyber 9520 (generic) | Cyber9520 | | trident | |
| Trident Cyber 9525 (generic) | Cyber9525 | XF86_SVGA | trident | |
| Trident CyberBlade (generic) | CyberBlade | XF86_SVGA | trident | |
| Trident CyberBlade/Ai1 | CyberBladeAi1 | XF86_SVGA | trident | |
| Trident CyberBladeXP | CyberBladeXP | XF86_SVGA | trident | |
| Trident CyberBladeXPm | CyberBladeXPm | XF86_SVGA | trident | |
| Trident Cyberblade/i1 | | | trident | |
| Trident Providia 9682 (generic) | Providia9682 | | trident | |
| Trident Providia 9685 (generic) | Providia9685 | | trident | |
| Trident TGUI9400CXi (generic) | TGUI9400CXi | XF86_SVGA | trident | |
| Trident TGUI9420 (generic) | TGUI9420 | | trident | |
| Trident TGUI9420DGi (generic) | TGUI9420DGi | XF86_SVGA | trident | |

| | | | | |
|---|---|---|---|---|
| Trident TGUI9430DGi (generic) | TGUI9430DGi | XF86_SVGA | trident | |
| Trident TGUI9440 (generic) | TGUI9440 | XF86_SVGA | trident | |
| Trident TGUI9660 (generic) | TGUI9660 | XF86_SVGA | trident | |
| Trident TGUI9680 (generic) | TGUI9680 | XF86_SVGA | trident | |
| Trident TGUI9682 (generic) | TGUI9682 | XF86_SVGA | trident | |
| Trident TGUI9685 (generic) | TGUI9685 | XF86_SVGA | trident | |
| Trident TVGA 8800BR | Generic VGA | XF86_VGA16 | vga | |
| Trident TVGA 8800CS | Generic VGA | XF86_VGA16 | vga | |
| Trident TVGA9200CXr (generic) | TVGA9200CXr | XF86_SVGA | vga | |
| Unsupported VGA compatible | Generic VGA | XF86_VGA16 | vga | |
| VESA driver (generic) | VESA VBE 2.0 | | vesa | |
| VI720 | CL−GD5434 | XF86_SVGA | cirrus | |
| VL−41 | S3 801/805 | XF86_S3 | vga | |
| VMWare | VMWare | | vmware | |
| VidTech FastMax P20 | S3 864 | XF86_S3 | vga | |
| VideoExcel AGP 740 | Intel 740 | XF86_SVGA | i740 | |
| VideoLogic GrafixStar 300 | S3 Trio64 | XF86_S3 | s3 | |
| VideoLogic GrafixStar 400 | S3 Trio64V+ | XF86_S3 | s3 | |
| VideoLogic GrafixStar 500 | S3 868 | XF86_S3 | vga | |
| VideoLogic GrafixStar 550 | CL−GD5464 | XF86_SVGA | cirrus | |
| VideoLogic GrafixStar 560 (PCI/AGP) | CL−GD5465 | XF86_SVGA | cirrus | |
| VideoLogic GrafixStar 600 | ET6300 | XF86_SVGA | tseng | |
| VideoLogic GrafixStar 700 | S3 968 | XF86_S3 | s3 | |
| ViewTop PCI | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| ViewTop ZeusL 8MB | Intel 740 | XF86_SVGA | i740 | |
| Voodoo Banshee (generic) | Voodoo Banshee | XF86_SVGA | tdfx | |
| Voodoo Graphics | Voodoo Graphics | | voodoo | |
| Voodoo II | Voodoo II | | voodoo | |
| Voodoo Rush (generic) | Voodoo Rush | XF86_SVGA | tdfx | |
| Voodoo3 (generic) | Voodoo3 | XF86_SVGA | tdfx | |
| Voodoo4 (generic) | Voodoo4 | | tdfx | |
| Voodoo5 (generic) | Voodoo5 | | tdfx | |
| WD 90C24 (laptop) | WD90C24 | XF86_SVGA | vga | |
| WD 90C24A or 90C24A2 (laptop) | WD90C24A | XF86_SVGA | vga | |
| Weitek P9100 (generic) | Weitek P9100 | XF86_SVGA | vga | |
| WinFast S200 | ET4000/W32(i/p) | XF86_SVGA | tseng | |
| WinFast S430 | S3 968 | XF86_S3 | s3 | |
| WinFast S510 | S3 968 | XF86_S3 | s3 | |
| Winfast S900 i740 AGP 8MB | Intel 740 | XF86_SVGA | i740 | |
| XGA−1 (ISA bus) | XGA−1 | XF86_AGX | vga | |
| XGA−2 (ISA bus) | XGA−2 | XF86_AGX | vga | |
| nVidia GeForce 2 Go | GeForce 2 | | nv | |

## 6.2. Proprietary X servers

Proprietary X servers provide support for cards not supported by XFree86, and might give better performances for cards that are supported by XFree86. Contact the vendors directly or check the Commercial HOWTO for more info.

- Xi Graphics (Accelerated−X)
- Metro Link (Metro−X)

## 6.3. Kernel Framebuffer (fbdev)

The kernel supports a graphical console on some video cards. This support was originally designed for non−x86 architectures which generally do not have text−capable video cards. It was integrated into the kernel in 2.2, and now supports various video cards.

More information can be found at linux−fbdev.org.

The following cards are supported:

- Amiga builtin chipset (amifb)
- ATARI builtin chipset (atafb)
- ATI Rage128 (aty128fb)
- ATI Mach64, RageII, RageII+, RageIIc (atyfb)
- Hercules Graphics Adaptor (hgafb)
- Matrox Millennium I, Millennium II, Mystique, G200 (matroxfb)
- PowerMAC "platinum" (platinumfb)
- S3 Savage4 (savagefb)
- 3Dfx Voodoo, Voodoo2, Voodoo3 (tdfxfb)
- S3 Trio64 (trio64fb)
- All VESA 2.0 cards (vesafb)

## 6.4. SVGALIB (graphics for console)

- VGA
- EGA
- ARK Logic ARK1000PV/2000PV
- ATI VGA Wonder
- ATI Mach32
- Cirrus 542x, 543x
- OAK OTI−037/67/77/87
- S3 (limited support)
- Trident TVGA8900/9000
- Tseng ET3000/ET4000/W32

# 7. Controllers (hard drive)

Enhanced IDE (EIDE) interfaces are supported, including support for UDMA and ATA/33, ATA/66, and so on for some controllers and compatible drives. Linux will detect these IDE interfaces:

- CMD−640 (Support for buggy interfaces in kernel 2.2)
- RZ1000 (Support for buggy interfaces in kernel 2.2)
- AEC62XX
- ALI M15x3
- AMD Viper
- CY82C693
- Cyrix CS5530 MediaGX
- HPT34X
- HPT366
- Intel PIIXn
- NS87415
- OPTi 82C621
- Promise PDC20246/PDC20262/PDC20267
- ServerWorks OSB4
- SiS5513
- SLC90E66
- Tekram TRM290
- VIA82CXXX
- DTC 2278D
- FGI/Holtek HT−6560B VLB (Support for secondary interface in kernel 2.2)
- Triton I (82371FB) (with busmaster DMA)
- Triton II (82371SB) (with busmaster DMA)
- ALI M14xx
- Promise DC4030
- QDI QD6580
- UMC 8672

Please see the IDE RAID controller section for information on IDE controllers with hardware RAID support.

Linux will work with standard IDE, MFM and RLL controllers. When using MFM/RLL controllers it is important to use ext2fs and the bad block checking options when formatting the disk.

ESDI controllers that emulate the ST−506 (MFM/RLL/IDE) interface will also work. The bad block checking comment also applies to these controllers.

Generic 8 bit XT controllers also work.

## 7.1. Alpha, Beta drivers

- UMC 8672 interfaces (experimental in kernel 2.2)
- Promise DC4030VL caching interface card (experimental support in kernel 2.2)

# 8. Controllers (SCSI)

It is important to pick a SCSI controller carefully. Many cheap ISA SCSI controllers are designed to drive CD−ROM's rather than anything else. Such low−end SCSI controllers are no better than IDE. See the SCSI HOWTO and look at performance figures before buying a SCSI card.

Please see the SCSI RAID controller section for information on SCSI controllers with hardware RAID support.

## 8.1. Supported

- AMI Fast Disk (*VLB/EISA*) (BusLogic compatible)
- Adaptec AVA−1502E (*ISA/VLB*) (AIC−6360) (*AHA1520*)
- Adaptec AVA−1505/1515 (*ISA*) (Adaptec AHA−152x compatible)
- Adaptec AVA−1825 (*VLB*) (Adaptec AHA−152x compatible)

  This card has a SCSI, EIDE and floppy port which all work nicely.
- Adaptec AHA−1510/152x (*ISA/VLB*) (AIC−6260/6360)
- Adaptec AHA−154x (*ISA*) (all models)
- Adaptec AHA−174x (*EISA*) (in enhanced mode)
- Adaptec AHA−274x/274xT (*EISA*) (AIC−7771). The 274xT is supported since kernel series 2.1.x (*AHA2740*)
- Adaptec AHA−284x (*VLB*) (AIC−7770) (*AHA2740*)
- Adaptec AHA−2910B (*PCI*) (since kernel series 2.1.x)
- Adaptec AHA−2920 (*PCI*). Use the Future Domain driver. LILO parameters are needed when used for hard disks.
- Adaptec AHA−2920C (*PCI*)
- Adaptec AHA−2930/U/U2 (*PCI*)
- Adaptec AHA−2940/U/W/AU/UW/U2W/U2/U2B/U2BOEM (*PCI*) (AIC−7861, AIC−7871, AIC−7844, AIC−7881, AIC−7884). Some of these are only supported since kernel series 2.1.x (*AHA2740*)
- Adaptec AHA−2944D/WD/UD/UWD (*PCI*). Some of these are only supported since kernel series 2.1.x (*AHA2740*)
- Adaptec AHA−2950U2/U2B/U2W
- Adaptec AHA−3940/U/W/UW/AUW/U2W (*PCI*) (AIC−7872, AIC−7882) (since 1.3.6). Some of these are only supported since kernel series 2.1.x
- Adaptec AHA−3950U2B/U2D
- Adaptec AHA−3985U/W/UW (*PCI*) (AIC−7873, AIC−7883). Some of these are only supported since kernel series 2.1.x
- Adaptec *PCI* controllers with AIC−7850, AIC−7855, AIC−7860
- Adaptec on board controllers with AIC−777x (*EISA*), AIC−785x, AIC−786x, AIC−787x (*PCI*), AIC−788x (*PCI*), AIC−789x, AIC−3860. AIC−786x and AIC−789x are supported since kernel series 2.1.x
- AdvanSys ABP510/5150 Bus−Master (*ISA*)

  (more info)
- AdvanSys ABP5140 Bus−Master (*ISA*) PnP

  (more info)

- AdvanSys ABP5142 Bus−Master (*ISA*) PnP with floppy

  (more info)
- AdvanSys ABP920 Bus−Master (*PCI*)

  (more info)
- AdvanSys ABP930/U Bus−Master (*PCI/Ultra*>)

  (more info)
- AdvanSys ABP960/U Bus−Master (*PCI/ULTRA*) MAC/PC

  (more info)
- AdvanSys ABP542 Bus−Master (*ISA*) with floppy (single channel)

  (more info)
- AdvanSys ABP742 Bus−Master (*EISA*) (single channel)

  (more info)
- AdvanSys ABP842 Bus−Master (*VL*) (single channel)

  (more info)
- AdvanSys ABP940/U Bus−Master (*PCI/Ultra*) (single channel)

  (more info)
- AdvanSys ABP970/U Bus−Master (*PCI/Ultra*) MAC/PC (single channel)

  (more info)
- AdvanSys ABP752 Dual Channel Bus−Master (*EISA*) (dual channel)

  (more info)
- AdvanSys ABP852 Dual Channel Bus−Master (*VL*) (dual channel)

  (more info)
- AdvanSys ABP950 Dual Channel Bus−Master (*PCI*) (dual channel)

  (more info)
- Always IN2000
- AMD AM53C974
- BusLogic FlashPoint LT/DL/LW/DW (BT−930(R), BT−920, BT−932(R), BT−950(R), BT−952(R))

  (more info)
- Compaq Smart Array 2
- DPT PM2001, PM2012A (EATA−PIO)
- DPT Smartcache/SmartRAID Plus,III,IV families (*ISA/EISA/PCI*) (EATA−DMA)

  Take a look at this page for more information. Cards in these families are PM2011, PM2021, PM2041, PM3021, PM2012B, PM2022, PM2122, PM2322, PM2042, PM3122, PM3222, PM3332, PM2024, PM2124, PM2044, PM2144, PM3224, PM3334
- DTC 3180/3280
- DTC 329x (*EISA*) (Adaptec 154x compatible)
- Future Domain TMC−16x0, TMC−3260 (*PCI*)

- Future Domain TMC−8xx, TMC−950
- Future Domain chips TMC−1800, TMC−18C50, TMC−18C30, TMC−36C70
- ICP−Vortex PCI−SCSI Disk Array Controllers (many RAID levels supported) Patches for Linux 1.2.13 and 2.0.29 are available here. The controllers GDT6111RP, GDT6121RP, GDT6117RP, GDT6127RP, GDT6511RP, GDT6521RP, GDT6517RP, GDT6527RP, GDT6537RP and GDT6557RP are supported. You can also use pre−patch−2.0.31−4 to pre−patch−2.0.31−9.
- ICP−Vortex EISA−SCSI Controllers (many RAID levels supported) Patches for Linux 1.2.13 and 2.0.29 are available here. The controllers GDT3000B, GDT3000A, GDT3010A, GDT3020A and GDT3050A are supported. You can also use pre−patch−2.0.31−4 to pre−patch−2.0.31−9.
- Iomega PPA3 parallel port SCSI Host Bus Adapter embedded in ZIP drive
- Initio Corp. INI−9090U INI−9100, INI−9100W/A/UW, INI−9200U/UW, INI−9400U/UW, INI−9520U/UW, INI−A100U2W
- Initio Corp. INIC−950
- Media Vision Pro Audio Spectrum 16 SCSI (*ISA*)
- Mylex (formerly BusLogic) W Series (*PCI*) (BT−948, BT−958, BT−958D)
- Mylex (formerly BusLogic) C Series (*ISA/EISA/VLB/PCI*) (BT−946C, BT−956C, BT−956CD, BT−445, BT−747C, BT−757C, BT−757CD, BT−545C, BT−540CF)
- Mylex (formerly Buslogic) S Series (*ISA/EISA/VLB*) (BT−445S, BT−747S, BT−747D, BT−757S, BT−757D, BT−545S, BT−542D, BT−742A, BT−542B)
- Mylex (formerly BusLogic) A Series (*ISA/EISA*) (BT−742A, BT−542B)
- NCR 5380 generic cards
- NCR 53C400 (Trantor T130B) (use generic NCR 5380 SCSI support)
- NCR 53C406a (Acculogic ISApport / Media Vision Premium 3D SCSI)
- NCR chips 53C7x0 (the 53C710 is only supported in PCI variant)
- NCR chips 53C810(A), 53C815, 53C820, 53C825(A), 53C860, 53C875, 53C895 (53C895 supported 'on paper')
- Qlogic / Control Concepts SCSI/IDE (FAS408) (*ISA/VLB*)
- Qlogic FASXXX/FASXX family of chips (*ISA/VLB*)
- QLogic IQ−PCI, IQ−PCI−10, IQ−PCI−D (*PCI*) (ISP1020 chip)
- Quantum ISA−200S, ISA−250MG
- Seagate ST−01/ST−02 (*ISA*)
- SIIG Ultrawide SCSI Pro (Initio chipset).
- SoundBlaster 16 SCSI−2 (Adaptec 152x compatible) (*ISA*)
- Tekram DC−390, DC−390W/U/F
- Trantor T128/T128F/T228 (*ISA*)
- UltraStor 14F (*ISA*), 24F (*EISA*), 34F (*VLB*)
- Western Digital WD7000 SCSI

## 8.2. Alpha, Beta drivers

- AMD AM79C974 (*PCI*) (Compaq, HP, Zeos onboard SCSI)

  (driver)
- Adaptec ACB−40xx SCSI−MFM/RLL bridgeboard

  (driver)
- Always Technologies AL−500

  (driver)
- Iomega PC2/2B

(driver)
- Ricoh GSI−8

(driver)

## 8.3. Unsupported

- Adaptec AHA 2940UW Pro
- Adaptec AAA−13x RAID Adapters
- Adaptec AAA−113x Raid Port Cards
- Adaptec AIC−7810
- NCR chip 53C710 (*ISA*) (old obsolete chip, but still used in some Compaq models)
- Non Adaptec compatible DTC boards (327x, 328x)

# 9. SCSI RAID Controllers

*This is by no means a complete list. This section will be updated in a future revision of this document.*

- Mylex RAID controllers

  More information can be found here.

---

# 10. IDE RAID Controllers

- Tekram D690CD IDE PCI Cache Controller (with RAID level 1 Mirroring and caching)
- ARCO Inc. DupliDisk IDE disk mirroring controller

  Support for ATA, IDE, E−IDE and UDMA drive. Controllers available can be plugged into ISA and PCI slots, and directly into the IDE controller. Furthermore, 3.5−inch and 5.25−inch Bay Mount units are available that fit into the respective drive bays. More information at Arco's web site. Make sure you have at least rev 3.00 of the firmware.
- 3ware Escalade IDE RAID controllers

  3ware's 5000−series and 6000−series controllers have been supported since kernel 2.2.15. Support for the 7000−series controllers and RAID5 on the 6000−series controllers requires kernel 2.4.5 or 2.2.20 or better. Also make sure to use a recent firmware for RAID 5, since older firmware revisions (and older versions of the driver) can cause data corruption when a RAID 5 array runs degraded. 8000−series SATA cards also work fine with recent 2.4.x or 2.6.x kernels. 9000−series cards are supported with the 3w−9xxx driver (instead of the older 3w−xxxx driver).
- Adaptec ATA RAID 2400A

  4−port ATA/100 controller which supports RAID 0, RAID 1, RAID 1+0, and RAID 5. Use the dpt_i2o driver, which is included in recent 2.4.x kernels.
- Promise SuperTRAK SX6000

  6−port ATA/100 controller which supports RAID 0, RAID 1, RAID 1+0, RAID 3, and RAID 5. Use the pti_st driver or the generic i2o drivers. Be sure to set the BIOS on the card for "Other OS" instead of "Linux", and check for firmware updates.

---

# 11. Controllers (I/O)

Any standard serial/parallel/joystick/combo cards. Linux supports 8250, 16450, 16550, and 16550A UART's. Cards that support non−standard IRQ's (IRQ > 9) can be used.

See National Semiconductor's ``Application Note AN−493'' by Martin S. Michael. Section 5.0 describes in detail the differences between the NS16550 and NS16550A. Briefly, the NS16550 had bugs in the FIFO circuits, but the NS16550A (and later) chips fixed those. However, there were very few NS16550's produced by National, long ago, so these should be very rare. And many of the ``16550'' parts in actual modern boards are from the many manufacturers of compatible parts, which may not use the National ``A'' suffix. Also, some multiport boards will use 16552 or 16554 or various other multiport or multifunction chips from National or other suppliers (generally in a dense package soldered to the board, not a 40 pin DIP). Mostly, don't worry about it unless you encounter a very old 40 pin DIP National ``NS16550'' (no A) chip loose or in an old board, in which case treat it as a 16450 (no FIFO) rather than a 16550A. − Zhahai Stewart <
zstewart@hisys.com>

---

# 12. Controllers (multiport)

## 12.1. Non−intelligent cards

### 12.1.1. Supported

- AST FourPort and clones (4 port)
- Accent Async−4 (4 port)
- Arnet Multiport−8 (8 port)
- Bell Technologies HUB6 (6 port)
- Boca BB−1004, 1008 (4, 8 port) − no DTR, DSR, and CD
- Boca BB−2016 (16 port)
- Boca IO/AT66 (6 port)
- Boca IO 2by4 (4 serial / 2 parallel, uses 5 IRQ's)
- Computone ValuePort (4, 6, 8 port) (AST FourPort compatible)
- DigiBoard PC/X, PC/Xem, PCI/Xem, EISA/Xem, PCI/Xr (4, 8, 16 port)
- Comtrol Hostess 550 (4, 8 port)
- PC−COMM 4−port (4 port)
- SIIG I/O Expander 4S (4 port, uses 4 IRQ's)
- STB 4−COM (4 port)
- Twincom ACI/550
- Usenet Serial Board II (4 port)

Non−intelligent cards usually come in two varieties, one using standard com port addresses and use 4 IRQ's, and another that's AST FourPort compatible and uses a selectable block of addresses and a single IRQ. (Addresses and IRQ's are set using `setserial`.) If you're getting one of these cards, be sure to check which standard it conforms to, prices are no indication.

---

## 12.2. Intelligent cards

### 12.2.1. Supported

- Computone IntelliPort II (4/8/16 port)

  (driver)
- Cyclades Cyclom−Y (RISC−based, 8−32 ports) (*ISA/PCI*)

  (driver)
- Cyclades−Z (high−end, 16−64 ports) (*PCI*)

  (driver)
- DigiBoard PC/Xe (*ISA*), PC/Xi (*EISA*) and PC/Xeve

  (driver)
- Equinox SST Intelligent serial I/O cards

  (driver)

- Hayes ESP 1, 2 and 8 port versions Included in kernel since 2.1.15. The driver for kernel versions 2.0.x can be found at  (driver)
- Stallion EasyIO (*ISA*) / EasyConnection 8/32 (*ISA/MCA*) / EasyConnection 8/64 (*PCI*) For DIP switch settings and configuration files check  (driver)
- Stallion EasyConnection 8/64 (*ISA/EISA*) / ONboard (*ISA/EISA/MCA*) / Brumby (*ISA*) The latest driver can be found at  (driver)

## 12.2.2. Alpha, Beta drivers

- Comtrol RocketPort (8/16/32 port)

  (driver) (kernels 1.2.x). A driver for kernels 2.x can be found at  (driver)
- DigiBoard COM/Xi Contact Simon Park (si@wimpol.demon.co.uk) or Mark Hatle (fray@krypton.mankato.msus.edu). NOTE: both email addresses seem not to exist any longer.
- Moxa C102, C104, C168, C218 (8 port), C320 (8/16/24/32 expandable) and C320T

  (driver)
- RISCom/8
- Specialix SIO/XIO (modular, 4 to 32 ports)

  (driver)
- Specialix IO8+ Contact

  devices@BitWizard.nl

# 13. Network adapters

## 13.1. Supported

### 13.1.1. Ethernet

Ethernet adapters vary greatly in performance. In general the newer the design the better. Some very old cards like the 3Com 3c501 are only useful because they can be found in junk heaps for $5 a time. Be careful with clones, not all are good clones and bad clones often cause erratic lockups under Linux. Read the  Ethernet HOWTO for detailed descriptions of various cards.

For ethernet cards with the DECchip DC21x4x family the "Tulip" driver is available. More information on this driver can be found at  Donald Becker's site.

- 3Com 3c501 – "avoid like the plague" (3c501 driver)
- 3Com 3c503 (3c503 driver), 3c505 (3c505 driver), 3c507 (3c507 driver), 3c509/3c509B (*ISA*) / 3c579 (*EISA*)
- 3Com Etherlink III Vortex Ethercards (3c590, 3c592, 3c595, 3c597) (*PCI*), 3Com Etherlink XL Boomerang (3c900, 3c905) (*PCI*) and Cyclone (3c905B, 3c980) Ethercards (3c59x driver) and 3Com Fast EtherLink Ethercard (3c515) (*ISA*) (3c515 driver) Newer versions of this drivers are available at Donald Becker's site Avoid the 3c900 card when possible as the driver is not functioning well for this card.
- 3Com 3ccfe575 Cyclone Cardbus (3c59x driver)
- 3Com 3c575 series Cardbus (3c59x driver) (ALL PCMCIA ??)
- AMD LANCE (79C960) / PCnet–ISA/PCI (AT1500, HP J2405A, NE1500/NE2100)
- AT&T GIS WaveLAN
- Allied Telesis AT1700
- Allied Telesis LA100PCI–T
- Allied Telesyn AT2400T/BT ("ne" module)
- Ansel Communications AC3200 (*EISA*)
- Apricot Xen–II / 82596
- Cabletron E21xx
- Cogent EM110
- Crystal Lan CS8920, Cs8900  (driver)
- Danpex EN–9400
- DEC DE425 (*EISA*) / DE434/DE435 (*PCI*) / DE450/DE500 (DE4x5 driver)
- DEC DE450/DE500–XA (dc21x4x) (Tulip driver)
- DEC DEPCA and EtherWORKS
- DEC EtherWORKS 3 (DE203, DE204, DE205)
- DEC QSilver's (Tulip driver)
- Digi International RightSwitch
- DLink DE–220P, DE–528CT, DE–530+, DFE–500TX, DFE–530TX
- Fujitsu FMV–181/182/183/184
- HP PCLAN (27245 and 27xxx series)
- HP PCLAN PLUS (27247B and 27252A)
- HP 10/100VG PCLAN (J2577, J2573, 27248B, J2585) (*ISA/EISA/PCI*) Driver here, more information at  Donald Becker's site
- ICL EtherTeam 16i / 32 (*EISA*)
- Intel EtherExpress

- Intel EtherExpress Pro
- KTI ET16/P−D2, ET16/P−DC ISA (work jumperless and with hardware−configuration options)
- Macromate MN−220P (PnP or NE2000 mode)
- NCR WaveLAN
- NE2000/NE1000 (be careful with clones)
- Netgear FA−310TX (Tulip chip)
- New Media Ethernet
- PureData PDUC8028, PDI8023
- SEEQ 8005
- SMC Ultra / EtherEZ (*ISA*)
- SMC 9000 series
- SMC PCI EtherPower 10/100 (Tulip driver)
- SMC EtherPower II (epic100.c driver)
- Sun LANCE adapters (kernel 2.2 and newer)
- Sun Intel adapters (kernel 2.2 and newer)
- Schneider & Koch G16
- Western Digital WD80x3
- Zenith Z−Note / IBM ThinkPad 300 built−in adapter
- Znyx 312 etherarray (Tulip driver)

## 13.1.2. ISDN

- ISDN for Linux WWW page
- ISDN4Linux tools are available from here.

- 3Com Sonix Arpeggio (driver)
- ASUSCOM Network Inc. ISDNLink 128K PC adapter (HiSax)
- AVM A1 (HiSax)
- AVM B1 (avmb1)
- Combinet EVERYWARE 1000 ISDN (driver)
- Compaq ISDN S0 (*ISA*) (HiSax)
- Creatix PnP S0 (HiSax)
- Dr. Neuhaus Niccy PnP/PCI (HiSax)
- Dynalink IS64PH (HiSax)
- Eicon.Diehl Diva 2.0 (*ISA/PCI*) (S0 and U interface, no PRO version) (HiSax)
- Eicon.Diehl Diva Piccola (HiSax)
- Elsa Microlink PCC−16, PCF, PCF−Pro, PCC−8 (HiSax)
- ELSA QuickStep 1000/1000PCI/3000 (HiSax)
- HFC−2BS0 based cards (HiSax)
- IBM Active 2000 (*ISA*) (act2000)
- ICN ISDN cards (icn)
- Ith Kommunikationstechnik GmbH MIC 16 (ISA) (HiSax)
- ITK ix1−micro Rev.2 (HiSax)
- Octal PCBIT (pcbit)
- Sedlbauer Speed Card (HiSax)
- Teles SO−8/SO−16.0/SO−16.3/SO−16.3c/SO−16.4 and compatible ones (HiSax)
- Traverse Technologie NETjet PCI S0 (HiSax)
- USR Sportster internal TA (HiSax)

ISDN cards that emulate standard modems or common Ethernet adapters don't need any special drivers to work.

### 13.1.3. WAN Cards

| Manufacturer | Model name | Bus | Driver | Notes |
|---|---|---|---|---|
| Cyclades | PC300/RSV | PCI | | 1 or 2 ports, RS−232 and V.35 |
| Cyclades | PC300/X21 | PCI | | 1 or 2 ports, X.21 |
| Cyclades | PC300/TE | PCI | | 1 or 2 ports, T1 and E1 |
| Emerging Technologies Inc. | ET/5025 | ISA | | 1 port, 8−bit |
| Emerging Technologies Inc. | ET/5025−16 | ISA | | 1 port, 16−bit |
| Emerging Technologies Inc. | ET/5025−25 | ISA | | 2 port, 16−bit |
| Emerging Technologies Inc. | ET/5025pq | PCI | | 4 port |
| FarSite Communications | FarSync X21 T2P/WAN T2P | PCI | | 2 port |
| FarSite Communications | FarSync X21 T4P/WAN T4P | PCI | | 4 port |
| ImageStream | WANic 520 | PCI | See ImageStream's web site | 1 or 2 synchronous serial, T1, or E1 ports |
| ImageStream | WANic 600 | PCI | See ImageStream's web site | 4 or 8 synchronous serial, T1, or E1 ports |
| ImageStream | WANic 720 | PCI | See ImageStream's web site | 1 or 2 HSSI, DS3, or E3 ports with i960 co−processor |
| ImageStream | WANic 800 | PCI | See ImageStream's web site | 1 or 2 HSSI, DS3, or E3 ports |
| ImageStream | WANic 1000 | PCI | See ImageStream's web site | 1 ATM DS3/E3, single mode OC3, or multimode OC3 |
| ImageStream | Aries 500 | CompactPCI | See ImageStream's web site | 1 or 2 synchronous serial ports |
| ImageStream | Aries 600 | CompactPCI | See ImageStream's web site | 4 or 8 synchronous serial, T1, or E1 |

| | | | | |
|---|---|---|---|---|
| ImageStream | Aries 720 | CompactPCI | See ImageStream's web site | 1 or 2 HSSI, DS3, or E3 ports with i960 co−processor |
| ImageStream | Aries 800 | CompactPCI | See ImageStream's web site | 1 or 2 HSSI, DS3, or E3 ports |
| ImageStream | Maxim 520 | PCI Mezzanine Card (PMC) | See ImageStream's web site | 1, 2, or 4 synchronous serial, T1, or E1 ports |
| ImageStream | Maxim 600 | PCI Mezzanine Card (PMC) | See ImageStream's web site | 4 synchronous serial + 4 T1 or E1 ports |
| ImageStream | Maxim 800 | PCI Mezzanine Card (PMC) | See ImageStream's web site | 1 or 2 HSSI ports |
| ImageStream | Maxim 1000 | PCI Mezzanine Card (PMC) | See ImageStream's web site | 1 ATM DS3/E3, single mode OC3, or multimode OC3 |
| ImageStream | ATM/OC12 | PCI Mezzanine Card (PMC) | See ImageStream's web site | 1 ATM OC12 port (32/64−bit PMC) |
| Sangoma | S514/FT1 | PCI | Wanpipe | 1.54Mbps (T1). The card can be configured to support from 64kbps to 1.54Mbps. |
| Sangoma | S5141 | PCI | Wanpipe | RS232/V.35/X.21on dual ports. Main port is 4Mpbs, secondary is 512kbps. |
| Sangoma | S5142 | PCI | Wanpipe | RS232/V.35/X.21on four ports. Main ports are 4Mpbs, secondaries are 512kbps. Functionally identical to two separate S5141 cards. |
| Sangoma | S508/FT1 | ISA | Wanpipe | 1.54Mbps (T1). The card can be configured to support from 64kbps to 1.54Mbps. |
| Sangoma | S508 | ISA | Wanpipe | |

| | | | | |
|---|---|---|---|---|
| | | | | 4Mbps, RS232/V.35/X.21 |
| Sangoma | S503 | ISA | Wanpipe | 64kbps, RS232/V.35/X.21 |
| Sangoma | S502 | ISA | Wanpipe | obsolete card |

### 13.1.4. Wireless

- ZCOM WL2420 ISA Product information can be found here. Object file kernel drivers are available here.

### 13.1.5. Frame Relay, X.25, Synchronous PPP, Cisco HDLC

See WAN cards section.

### 13.1.6. Pocket and portable adapters

- For more information on Linux and use of the parallel port, go to the Linux Parallel Port Home Page ( alternate location). Check Appendix A for a complete list of supported parallel port devices (excluding printers).

### 13.1.7. Slotless

- SLIP/CSLIP/PPP (serial port)
- EQL (serial IP load balancing)
- PLIP (parallel port) − using ``LapLink cable'' or bi−directional cable

### 13.1.8. ARCnet

- Works with all ARCnet cards

### 13.1.9. TokenRing

Take a look at the token ring web site here.

- 3Com 3C619/B/C Tokenlink 16/4 (ibmtr)
- 3Com 3C319 Velocity ISA (ibmtr)
- IBM PCI token ring adapter
- IBM Wake on Lan TR adapter
- IBM 16/4 TR PCI Adapter 2, Adapter 2 Wake on Lan, Adapter 2 Wake on Lan Special
- IBM High Speedd 100/16/4 token ring
- IBM ISA 16/4, MCA 16/4 (ibmtr)
- IBM Tropic chipset cards
- Olicom RapidFire 3139, 3140, 3141, 3540 (more info)
- Olicom OC−3136, OC−3137, OC−3138, OC−3129 (more info)
- Madge Smart 100/16/4 PCI, 16/4 PCI Mk3, 16/4 PCI Mk2 (more info)
- Madge Presto PCI, 16/4 CardBus (more info)
- Syskonnect TR4/16(+) SK−4190 ISA, SK−4590 PCI, SK−4591 PCI (sktr)

### 13.1.10. FDDI

- DEC DEFEA (*EISA*) / DEFPA (*PCI*) (kernel 2.0.24 and later)

### 13.1.11. Amateur radio (AX.25)

- Gracilis PackeTwin
- Ottawa PI/PI2
- Most generic 8530 based HDLC boards

### 13.1.12. PCMCIA cards

- See the PCMCIA section.

## 13.2. Alpha, Beta drivers

### 13.2.1. Ethernet

- Racal−Interlan NI5210 (i82586 Ethernet chip). Improved support in kernel 2.2 and newer
- Racal−Interlan NI6510 (am7990 lance chip). Starting with kernel 1.3.66 more than 16Mb Ram is supported.
- Racal−Interlan PCI card (AMD PC net chip 97c970)??

### 13.2.2. ISDN

- SpellCaster's Datacomute/BRI, Telecomute/BRI (*ISA*) (sc)

### 13.2.3. ATM

The following is likely to be an incomplete list. See the ATM on Linux project web site for more information.

- Efficient Networks ENI155p−MF and ENI155p−U5 155 Mbps ATM adapter
- SMC ATM Power155 9741D/F and 9746D/F 155 Mbps ATM adapter (uses the ENI driver)
- TI TNETA1570−based 155 Mbps ATM adapter by TU Chemnitz (also known as "UniNET 1570")
- ZeitNet ZN1221 and ZN1225 155 Mbps ATM adapter
- IDT NICStAR 77901/77903 155 and 25 Mbps ATM adapter (77201/77211 SAR)
- Marconi − ForeRunnerLE (25 and 155 Mbps; uses the IDT driver)
- Madge (Collage 25 and 155 Client/Server)
- All Interphase PCI (i)Chip ATM NICs (x575, x525, and x531)
- Marconi − ForeRunner PCA−200E
- IBM − TurboWays 25 (under developement)
- Interphase − 5515 (under development)
- Marconi − ForeRunnerHE (155 and 622 Mbps) (under development)

### 13.2.4. Wireless

- Proxim RangeLan2 7100 (*ISA*) / 630x (OEM *mini−ISA*) (driver)

## 13.3. Unsupported

*This section is likely to be out of date.*

- 3Com 3C359 Velocity XL PCI
- 3Com 3C339 Velocity PCI
- IBM PCI LANStreamer, MCA LANStreamer token ring
- Intel TokenExpress PRO, TokenExpress 16/4
- Sysconnect / Schneider & Koch Token Ring cards (all of them)

# 14. Sound cards

More information on sound drivers and sound cards can be found on Alan Cox's OSS page, ALSA, and the Linux Sound HOWTO.

## 14.1. Supported

- 4Front Technology Virtual Mixer (includes SoftOSS)
- 4Front Technology Virtual Synth (SoftOSS)
- 6850 UART MIDI
- A−Plus Sound of Music (OPL3−SA)
- A−Trend Harmony 3Ds751 (*PCI*)
- AcerMagic S23
- Adlib FM synthesizer card
- Adlib MSC 16 PnP (CS4235)
- AMD Interwave reference card
- ARC Probook
- Audio Excell DSP16
- Avance Logic ALS−007 chip based cards. Code for this chip is integrated in the Sound Blaster 16 driver. Isapnptools should be used for configuration.
- AW32 Pro (R2.2−W2)
- AW35 (CS4237)
- AW37 Pro (CS4235)
- Aztech Sound Galaxy NX Pro, NX Pro 16, WaveRider 32+
- Aztech Washington
- BTC Mozart Sound System
- BTC−1831 Sound Card (Opti 1688)
- Bravo Sound Card (Opti 82C930)
- Bull PowerPc builtin audio
- CDR4235−6/−8
- CS32−3DI
- Compaq Deskpro XL integrated Business Audio
- Creative EMU8000 add on (PnP)
- Creative Phone Blaster 28.8/33.6
- Creative Sound Blaster 1.0 to 2.0
- Creative Sound Blaster Pro
- Creative Sound Blaster 16
- Creative Sound Blaster 16 ASP
- Creative Sound Blaster 16 PnP (type−1 up to type−10)
- Creative Sound Blaster 16 Vibra
- Creative Sound Blaster 2.x
- Creative Sound Blaster 32/AWE
- Creative Sound Blaster 32/AWE PnP (type−1 up to type−10)
- Creative Sound Blaster AWE64 (type−1 up to type−7)
- Creative Sound Blaster AWE64 Gold (type−1 and type−2)
- Creative Sound Blaster PCI64/128
- Creative Sound Blaster AWE64/Gold and 16/32/AWE PnP cards need to be activated using isapnptools
- Creative ViBRA16C/CL/S (type−1 and type−2) PnP

- Creative ViBRA16X PnP (half duplex only)
- CrystaLake Crystal Clear Series 100
- Crystal Audio (CS4235)
- Crystal CRD4236B−1E
- Crystal CRD4237B−5/−8
- Crystal CSC0B35 (CS4236B)
- Crystal CX4237B−SIDE
- Crystal Onboard PnP Audio (CS4235)
- Dell Latidude builtin audio
- Diamond Crystal MM PC/104
- Digital AXP builtin audio
- ECHO−PSS cards (Orchid SoundWave32, Cardinal DSP16)
- ESS 1868, 1869 (type−1 and type−2), 1878, 1879, 1968 PnP AudioDrive
- Ensoniq AudioPCI (ES1371)
- Ensoniq AudioPCI / SoundBlaster PCI (ES1370)
- Ensoniq Soundscape Elite
- Ensoniq Soundscape PnP (model 1 and 2)
- Ensoniq Soundscape S−2000
- Ensoniq Soundscape VIVO, VIVO90
- Ensoniq ActionNote 880 C/CX
- Gallant's sound card (SC−6000 and SC−66000 based)
- Generic AD1815 based soundcard (PnP)
- Generic CMI8330 based soundcard (PnP)
- Generic Crystal CS4232 based soundcard or motherboard (non PnP)
- Generic Crystal CS4232 by Acer (PnP mode)
- Generic Crystal CS4232 type−1 up to type−3 (PnP mode)
- Generic Crystal CS4235 type−1
- Generic Crystal CS4236 (type−1 up to type−3)
- Generic Crystal CS4236 based soundcard or motherboard (non PnP)
- Generic Crystal CS4236A (type−1 and type−2), CS4236B
- Generic Crystal CS4237 based soundcard or motherboard (non PnP)
- Generic Crystal CS4237B (type−1 and type−2)
- Generic Crystal CS4238 based soundcard or motherboard (non PnP)
- Generic ESS ES688, ES1688, ES1788, ES1868, ES1869, ES1887, ES1888 based soundcard or motherboard
- Generic Jazz16 based soundcard
- Generic MAD16 (OPTi 82C928), MAD16 Pro, MAD16 Pro (duplex) (OPTi 82C929)
- Generic Mozart soundcard (OAK OTI−601 chip)
- Generic OPTi 82C924, 82C925 based sound card (PnP)
- Generic OPTi 82C924 soundcard (non PnP mode). Use the MSS driver and the isapnp tools
- Generic OPTi 82C930
- Generic OPTi 82C931 (more info)
- Generic Soundscape based soundcard
- Generic Windows Sound System compatible
- Generic Yamaha OPL3−SA1 (YMF701) based soundcard
- Generic Yamaha OPL3−SA2 (YMF711) based soundcard (type−1, type−3, type−4)
- Generic Yamaha OPL3−SA3 (YMF715) based soundcard
- Generic Yamaha OPL3−SAx (YMF715/YMF719) non−PnP
- Gravis Ultrasound
- Gravis Ultrasound Extreme
- Gravis Ultrasound 16−bit sampling daughterboard

- Gravis Ultrasound MAX
- Gravis Ultrasound ACE
- Gravis Ultrasound PnP (with RAM), PnP Pro
- HP OmniBook 2100 (CS4236)
- Home Studio 64 (analog audio only)
- IBM Audio Feature (CS423x)
- Logitech SoundMan Games (SBPro, 44kHz stereo support)
- Logitech SoundMan Wave (Jazz16/OPL4)
- Logitech SoundMan 16 (PAS−16 compatible)
- MED3201 audio card
- Maxi Sound 32 PnP (analog audio only)
- Maxi Sound 64 Dynamic 3D (analog audio only)
- Media Sound SW/32 (non PnP mode)
- MediaTriX AudioTriX Pro, 3D XG
- Media Vision Premium 3D (Jazz16)
- Media Vision Pro Sonic 16 (Jazz)
- Media Vision Pro Audio Spectrum 16 (PAS−16)
- Media Vision Pro Audio Studio 16
- Media Vision Thunderboard
- Microsoft Windows Sound System board (AD1848)
- MiroSound PCM!−pro
- MultiWave AudioWave Green 16
- Music Quest MIDI connector card (MCC)
- Music Quest MQX−16, MQX−16S MIDI adapter
- Music Quest MQX−32, MQX−32M MIDI adapter
- Music Quest PC MIDI card
- NEC Harmony
- Orchid SoundDrive 16EZ
- Pine PT201
- Primax SoundStorm FM 16, SoundStorm Wave
- Pro Audio Spectrum 16, Studio 16
- RME Digi32, Digi32 Pro, Digi32/8
- Reveal SC300
- Reveal WaveExtreme Pro (with RAM)
- Roland MPU IPC−T MIDI adapter
- S3 SonicVibes
- Shark Mako
- Sharp PC8800
- Shuttle Sound System 48
- Spacewalker HOT−255 PCI 3D (*PCI*)
- TerraTec Maestro 32/96
- Terratec EWS64XL (audio only)
- Terratec Sound System Base 1 (AD1816)
- Terratec Sound System Base 64 (AD1816)
- Tomato Sound System (OPTi 82C930)
- Trust Sound Expert De Luxe Wave 32
- Turtle Beach Classic/Tahiti/Monterey
- Turtle Beach Maui
- Turtle Beach Monte Carlo 928, Monte Carlo 929
- Turtle Beach Pinnacle/Fiji
- Turtle Beach Tropez, Tropez Plus (audio only)

- Turtle Beach Daytona (audio only)
- Wearnes Classic 16
- Yamaha Sound Edge SW20−PC
- Zefiro Acoustics ZA2 (NOT RECOMMENDED)
- Zenith Z−Player

- AWE32/64 supports is started in kernel series 2.1.x (check the SoundBlaster AWE mini−HOWTO by Marcus Brinkmann for installation details)
- MPU−401 MIDI Intelligent mode (don't enable blindly)
    - MPU IPC−T
    - MQX−32M
- MPU−401 MIDI UART only dumb port (don't enable blindly)
- Yamaha FM synthesizers (OPL2, OPL3, OPL3−SAx (since kernel series 2.1.x) and OPL4)

OSS supports all MIDI daughter cards including Wave Blaster, TB Rio and Yamaha DB50XG. The only requirement is that the "host" card is supported by OSS. Note that only the "host" card needs to be configured using soundconf. The daughter card will be automatically accessible through the MIDI of the "host" card.

## 14.2. Alpha, Beta drivers

- 4Front Tech. Waveloop loopback audio device
- Acer FX−3D (AD1816 based)
- AVM Apex Pro card (AD1816 based)
- Aztech AZT1008, AZT2320, AZT3000
- Aztech SC−16 3D (AD1816 based)
- Creative Sound Blaster Vibra16x
- Creative Sound Blaster Live! and Live! Value Edition Creative Labs has beta driver for this card. They work with kernels 2.0.36 and 2.2.5 (and most probably newer kernels in these series). The drivers can be downloaded under the software download area at Creative's web site.
- Highscreen Sound−Boostar 32 Wave 3D (AD1816 based)
- Highscreen Sound−Boostar 16 (AD1816 based)
- HP Kayak (AD1816 based)
- IBM MWave
- Newcom SC−16 3D (AD1816 based)
- PC speaker / Parallel port DAC (driver)
- Rockwell WaveArtist chipset
- Sonorus STUDI/O
- SY−1816 (AD1816 based)
- Terratec Base 1, Base 64 (AD1816 based)
- Terratec EWS64S (AD1816 based)
- Turtle Beach Malibu (driver)

For the AD1816 sound chip based sound cards isapnptools is needed for configuration.

## 14.3. Unsupported

*Please note that this section has not been updated recently. It is most likely incorrect.*

- A−Trend Harmony 3DS724 (*PCI*)
- Actech PCI 388−A3D q
- Adaptec AME−1570
- Aureal Vortex (*PCI*)
- Cardinal DSP 16
- Contributed lowlevel drivers
- Crystal CS4614 (*PCI*)
- Cyrix MediaGX builtin audio
- Diamond Monster Sound MX300
- Diamond Sonic Impact
- Dream 94PnP Home Studio
- EON Bach SP901 (A3D)
- ESS (*PCI*)
- ESS Maestro−1 (*PCI*), Maestro−2 (*PCI*)
- ESS Solo−1 (*PCI*)
- Echo Personal Sound System
- Generic ALS007, ALS100 based soundcard
- Orchid NuSound 3D
- Orchid SoundWave 32
- Paradise DSP−16
- Quicknet Internet LineJACK
- Terratec XLerate (A3D)
- Turtle Beach Montego
- Turtle Beach TBS−2000
- Videologic SonicStorm
- Wearnes Beethoven ADSP−16
- Western Digital Paradise DSP−16
- Yamaha YMF724 (*PCI*)

The ASP chip on Sound Blaster 16 series is not supported. AWE32's onboard E−mu MIDI synthesizer is not supported.

Nathan Laredo < `laredo@gnu.ai.mit.edu`> is willing to write AWE32 drivers if you send him a complimentary card. He is also willing to write drivers for almost any hardware if you send him free samples of your hardware.

Sound Blaster 16's with DSP 4.11 and 4.12 have a hardware bug that causes hung/stuck notes when playing MIDI and digital audio at the same time. The problem can happen with either Wave Blaster daughterboards or MIDI devices attached to the MIDI port. There is no known fix.

---

# 15. Hard drives

All hard drives should work if the controller is supported.

Users of large Western Digital IDE hard drives (40GB up to 200GB at least) manufactured before 2003−03−25 should look at this FAQ for an update that fixes a serious bug in those drives.

(From the SCSI HOWTO) All direct access SCSI devices with a block size of 256, 512, or 1024 bytes should work. Other block sizes will not work (Note that this can often be fixed by changing the block and/or sector sizes using the MODE SELECT SCSI command).

Large IDE (EIDE) drives work fine with newer kernels. The boot partition must lie in the first 1024 cylinders due to PC BIOS limitations.

Some Conner CFP1060S drives may have problems with Linux and ext2fs. The symptoms are inode errors during `e2fsck` and corrupt file systems. Conner has released a firmware upgrade to fix this problem, contact Conner at 1−800−4CONNER (US) or +44−1294−315333 (Europe). Have the microcode version (found on the drive label, 9WA1.6x) handy when you call.

Many Maxtor and Western Digital IDE drives are reported to not happily co−exist on the same IDE cable with the other manufacturers drive. Usually one of the drives will fail during operation. Solution is to put them on different IDE cables.

Certain Micropolis drives have problems with Adaptec and BusLogic cards, contact the drive manufacturers for firmware upgrades if you suspect problems.

- Multiple device driver (RAID−0, RAID−1)  (driver)

## 15.1. Unsupported

The following hard drives are mentioned as not supported by Linux. Read the bug report available.

- NEC D3817, D3825, D3827, D3847 "These drives are slightly non−SCSI−2 compliant in the values reported in Mode Sense Page 3. In Mode Sense Page 3 all NEC D38x7 drives report their sector size as zero. The NEC drives are the first brand of drive we have ever encountered that reported the sector size as zero. Unfortunately, that field in Mode Sense Page 3 is not modifiable and there is no way to update the firmware on the D38x7 drives to correct this problem." Problems are mentioned for D3825 and D3827 (both revision 0407). Revision 0410 of these two hard drives seems to solve this problem.

# 16. Tape drives

## 16.1. Supported

- SCSI tape drives (From the SCSI HOWTO) Drives using both fixed and variable length blocks smaller than the driver buffer length (set to 32k in the distribution sources) are supported. Virtually all drives should work. (Send mail if you know of any incompatible drives.)
    - ♦ Seagate Sidewinder 50 AIT (on ICP 6527 RAID−controller)
- QIC−02 drives
- Iomega Ditto internal (ftape 3.04c and newer)

## 16.2. Alpha, Beta drivers

- QIC−117, QIC−40/80, QIC−3010/3020 (QIC−WIDE) drives Most tape drives using the floppy controller should work. Various dedicated controllers (Colorado FC−10/FC−20, Mountain Mach−2, Iomega Tape Controller II) are also supported here
- ATAPI tape drives For these an alpha driver (ide−tape.c) is available in the kernel. ATAPI tape drives supported are
    - ♦ Seagate TapeStor 8000
    - ♦ Conner CTMA 4000 IDE ATAPI Streaming tape drive

## 16.3. Unsupported

- Emerald and Tecmar QIC−02 tape controller cards – Chris Ulrich < insom@math.ucr.edu >
- Drives that connect to the parallel port (eg: Colorado Trakker)
- Some high speed tape controllers (Colorado TC−15)
- Irwin AX250L/Accutrak 250 (not QIC−80)
- IBM Internal Tape Backup Unit (not QIC−80)
- COREtape Light

# 17. CD−ROM drives

For more information on CD−ROM drives check the CDROM−HOWTO.

## 17.1. Supported

Common CD−ROM drives

- SCSI CD−ROM drives (From the CD−ROM HOWTO) Any SCSI CD−ROM drive with a block size of 512 or 2048 bytes should work under Linux; this includes the vast majority of CD−ROM drives on the market.
- EIDE (ATAPI) CD−ROM drives (IDECD) Almost all double, quad and six speed drives are supported, including

    - Mitsumi FX400
    - Nec−260
    - Sony 55E

Proprietary CD−ROM drives

- Aztech CDA268−01A, Orchid CDS−3110, Okano/Wearnes CDD−110, Conrad TXC, CyCDROM CR520ie/CR540ie/CR940ie (AZTCD)
- Creative Labs CD−200(F) (SBPCD)
- Funai E2550UA/MK4015 (SBPCD)
- GoldStar R420 (GSCD)
- IBM External ISA (SBPCD)
- Kotobuki (SBPCD)
- Lasermate CR328A (OPTCD)
- LMS Philips CM 206 (CM206)
- Longshine LCS−7260 (SBPCD)
- Matsushita/Panasonic CR−521/522/523/562/563 (SBPCD)
- MicroSolutions Backpack parallel portdrive (BPCD)
- Mitsumi CR DC LU05S (MCD/MCDX)
- Mitsumi FX001D/F (MCD/MCDX)
- Optics Storage Dolphin 8000AT (OPTCD)
- Sanyo CDR−H94A (SJCD)
- Sony CDU31A/CDU33A (CDU31A)
- Sony CDU−510/CDU−515 (SOMYCD535)
- Sony CDU−535/CDU−531 (SONYCD535)
- Teac CD−55A SuperQuad (SBPCD)

## 17.2. Alpha, Beta drivers

- LMS/Philips CM 205/225/202 here
- NEC CDR−35D (old) here
- Sony SCSI multisession CD−XA here
- Parallel Port Driver here

## 17.3. Notes

All CD−ROM drives should work similarly for reading data. There are various compatibility problems with audio CD playing utilities. (Especially with newer low−end NEC drives.) Some alpha drivers may not have audio support yet.

Early (single speed) NEC CD−ROM drives may have trouble with currently available SCSI controllers.

PhotoCD (XA) is supported. The hpcdtoppm program by Hadmut Danisch converts PhotoCD files to the portable pixmap format. The program can be obtained from  here or as part of the PBM utilities.

Also, reading video CD is supported in kernel series 2.1.3x and later. A patch is available for kernel 2.0.30.

Finally, most IDE CD−ROM Changers are supported.

---

# 18. CD−Writers

Many CD−Writers are supported by Linux now. For an up to date list of CD−Writers supported check the CD−Writing HOWTO, check here or check here. Cdwrite here and cdrecord here can be used for writing CD's. The X−CD−Roast package for Linux is a graphical front−end for using CD writers. The package can be found at xcdroast.org.

- Grundig CDR 100 IPW
- HP CD−Writer+ 7100
- HP SureStore 4020i
- HP SureStore 6020es/i
- JVC XR−W2010
- Kodak PCD 225
- Mitsubishi CDRW−226
- Mitsumi CR−2600TE
- Olympus CDS 620E
- Philips CDD−521/10,522,2000,2600,3610
- Pinnacle Micro RCD−5020/5040
- Plextor CDR PX−24CS
- Ricoh MP 1420C
- Ricoh MP 6200S/6201S
- Sanyo CRD−R24S
- Smart and Friendly Internal 2006 Plus 2.05
- Sony CDU 920S/924/926S
- Taiyo Yuden EW−50
- TEAC CD−R50S
- WPI(Wearnes) CDR−632P
- WPI(Wearnes) CDRW−622
- Yamaha CDR−100
- Yamaha CDR−200/200t/200tx
- Yamaha CDR−400t/400tx

# 19. DVD drives

Most, if not all, ATAPI and SCSI DVD−ROM and writable DVD drives are supported.

Use dvdrtools to write DVDs.

Use Ogle, xine, MPlayer, or VideoLAN to play DVD movies.

Note that most of the notes in the CD−ROM section apply to DVD−ROM drives as well as CD−ROM drives.

# 20. Removable drives

All SCSI drives should work if the controller is supported, including optical (MO), WORM, floptical, Bernoulli, Zip, Jaz, SyQuest, PD, and others.

- Panasonic MO (combines a CD−ROM drive and an optical removable disk). You have to set a switch when configuring the kernel to get both part work at the same time.
- Parallel port Zip drives  here
- Parallel port Avatar Shark−250  here

Removable drives work like hard disks and floppies, just `fdisk` / `mkfs` and mount the disks. Linux provides drive locking if your drives support it. `mtools` can also be used if the disks are in MS−DOS format.

CD−R drives require special software to work. Read the CD−R Mini−HOWTO.

Linux supports both 512 and 1024 bytes/sector disks. Starting with kernel 2.1.32 Linux also supports 2048 bytes/sector. A patch to kernel 2.0.30 is available at  here.

The 2048 bytes/sector support is needed for

- Fujitsu magneto−optical disk drives M2513

Starting with pre−patch−2.0.31−3 IDE/ATAPI internal Zip drives, flopticals and PD's are supported.

- LS−120 floptical
- PD−CD

---

# 21. Mice

## 21.1. Supported

- Microsoft serial mouse
- Mouse Systems serial mouse
- Logitech Mouseman serial mouse
- Logitech serial mouse
- ATI XL Inport busmouse
- C&T 82C710 (QuickPort) (Toshiba, TI Travelmate)
- Microsoft busmouse
- Logitech busmouse
- PS/2 (auxiliary device) mouse

---

## 21.2. Alpha, Beta drivers

- Sejin J–mouse  here

---

## 21.3. Notes

Touchpad devices like Alps Glidepoint also work, so long they're compatible with another mouse protocol.

Newer Logitech mice (except the Mouseman) use the Microsoft protocol and all three buttons do work. Eventhough Microsoft's mice have only two buttons, the protocol allows three buttons.

The mouse port on the ATI Graphics Ultra and Ultra Pro use the Logitech busmouse protocol. (See the Busmouse HOWTO for details.)

---

# 22. Modems

All external modems connected via a RS−232 serial port should work. This includes external ISDN adapters, although some of the extended features of external ISDN adapaters (such as multilink) may or may not work.

Internal modems are another story, however. There are many so−called "winmodems" available now. In fact, it seems that most PCI modems are winmodems. Some of them do have drivers for Linux now, but many of the drivers are often binary−only. (See the note on binary−only drivers.) See Linmodems.org for more information on Linux−supported winmodems.

Note that there are external USB winmodems on the market now, so be very careful when shopping for external modems.

Furthermore, many flash upgradable modems only have flash programs for Win95/NT. These modems cannot be upgraded under Linux.

A small number of modems come with DOS software that downloads the control program at runtime. These can normally be used by loading the program under DOS and doing a warm boot. Such modems are probably best avoided as you won't be able to use them with non PC hardware in the future.

Most 16−bit PCMCIA modems should work with the PCMCIA drivers. CardBus modems are usually winmodems much like PCI modems. Your best bet for now is to find a card that lists compatibility with DOS and Windows 3.1.

All that said, if a modem is known to have a real UART (or hardware UART emulation), whether it is ISA, PCMCIA, etc., it should work under Linux.

Fax modems need appropriated fax software to operate. Also be sure that the fax part of the modem supports Class 2 or Class 2.0. It seems to be generally true for any fax software on unix that support for Class 1.0 is not available.

An exception to this is the Linux efax program which supports both Class 1 and Class 2 fax modems. In some cases there can be a few (minor) technical problems with Class 1 modems. If you have a choice it is recommend to get a Class 2 modem.

See Appendix B Linux Incompatible Hardware for specific cards known not to work with Linux.

The following are other good resources for finding Linux−compatible modems:

- Rob Clark's "Winmodems are not modems" page
- Andrew Comech's "PCI modems and Linux" page
- Andrew Comech's "Cheap /Linux/ Box" section on modems
- Linmodems.org

Most of the information below is from those sites.

Other useful documents include the following:

- Modem HOWTO
- Linmodem HOWTO

- Winmodems and Linux HOWTO (may be superceded by the Linmodem HOWTO)

Below is a *very* incomplete list of modems currently known to work under Linux.

| Manufacturer | Model name | Chipset | Bus | Driver | Notes |
|---|---|---|---|---|---|
| Actiontec | PCI56012−01CW | | PCI | | |
| Multitech | MultiModem MT5634ZPX−PCI | | PCI | | |
| IBM | 33L4618 | | PCI | | |
| Topic | FM−56PCI−TP | | PCI | | |
| 3Com | 3CP5610 | | PCI | | |
| 3Com | 3CP5613 Internet Gaming Modem | | PCI | | |
| 3Com | 3CP2976 | | PCI | | |
| 3Com | 3CP2977 | | PCI | | |
| Archtek | Smartlink 5634PCV | | PCI | | |
| Zoom | 2920 | | PCI | | |
| Well Communications | FM−56PCI−TP | | PCI | | |

The following is old information and may not be entirely correct. It may be removed in a future revision of this document.

- Digicom Connection 96+/14.4+ − DSP code downloading program here
- Motorola ModemSURFR internal 56K. Add a couple of line to RC.SERIAL to account for IRQ and ports if they are non−standard.
- ZyXEL U−1496 series − ZyXEL 1.4, modem/fax/voice control program here
- ZyXEL Elite 2864 series − modem/fax/voice control program here
- ZyXEL Omni TA 128 − modem/fax/voice control program here

Also multimodem cards are supported by Linux.

- Moreton Bay RAStel multimodem card Check here for Linux drivers.

The following modem is mentioned not to be supported

- Aztech MDP3858 56.6 (PCI)

---

# 23. Printers/Plotters

The following is a list of printers from the linuxprinting.org database. See their web site and the Linux Printing HOWTO for more information.

| Manufacturer | Model Number | Functionality |
|---|---|---|
| Alps | MD−1000 | Works perfectly |
| Alps | MD−1300 | Works perfectly |
| Alps | MD−1500 | Works mostly |
| Alps | MD−2000 | Works perfectly |
| Alps | MD−2010 | Works perfectly |
| Alps | MD−2300 | Works perfectly |
| Alps | MD−4000 | Works mostly |
| Alps | MD−5000 | Works perfectly |
| Alps | MD−5500 | Works mostly |
| Anitech | M24 | Works perfectly |
| Apollo | P−1200 | Works perfectly |
| Apollo | P−1220 Barbie | Works perfectly |
| Apollo | P−1250 | Works perfectly |
| Apollo | P−2100 | Works perfectly |
| Apollo | P−2150 | Works perfectly |
| Apollo | P−2200 | Works perfectly |
| Apollo | P−2250 | Works perfectly |
| Apollo | P−2500 | Works perfectly |
| Apollo | P−2550 | Works perfectly |
| Apollo | P−2600 | Works perfectly |
| Apollo | P−2650 | |

| | | |
|---|---|---|
| | | Works perfectly |
| Apple | 12/640ps | Works perfectly |
| Apple | Color StyleWriter 1500 | Works mostly |
| Apple | Color StyleWriter 2200 | Works mostly |
| Apple | Color StyleWriter 2400 | Works mostly |
| Apple | Color StyleWriter 2500 | Works mostly |
| Apple | Dot Matrix | Works perfectly |
| Apple | ImageWriter | Works perfectly |
| Apple | ImageWriter II | Works mostly |
| Apple | ImageWriter LQ | Works perfectly |
| Apple | LaserWriter 16/600 | Works perfectly |
| Apple | LaserWriter 4/600 | Works perfectly |
| Apple | LaserWriter IINTX | Works perfectly |
| Apple | LaserWriter IIg | Works perfectly |
| Apple | LaserWriter NT | Works mostly |
| Apple | LaserWriter Pro 630 | Works perfectly |
| Apple | LaserWriter Select 360 | Works perfectly |
| Apple | StyleWriter 1200 | Works mostly |
| Apple | StyleWriter I | Works mostly |
| Apple | StyleWriter II | Works mostly |
| Avery | Personal Label Printer | Works mostly |
| Avery | Personal Label Printer+ | Works perfectly |
| Brother | 4550 | None – Paperweight |
| Brother | DCP−1200 | Works partially |
| Brother | HJ−400 | Works mostly |
| Brother | HL−1020 | Works perfectly |
| Brother | HL−1030 | Works mostly |
| Brother | HL−1040 | Works perfectly |

| | | |
|---|---|---|
| Brother | HL−1050 | Works mostly |
| Brother | HL−1060 | Works mostly |
| Brother | HL−1070 | Works perfectly |
| Brother | HL−10V | Works perfectly |
| Brother | HL−10h | Works perfectly |
| Brother | HL−1230 | Works mostly |
| Brother | HL−1240 | Works mostly |
| Brother | HL−1250 | Works perfectly |
| Brother | HL−1260 | Works perfectly |
| Brother | HL−1270N | Works perfectly |
| Brother | HL−1430 | Works perfectly |
| Brother | HL−1435 | None − Paperweight |
| Brother | HL−1440 | Works perfectly |
| Brother | HL−1450 | Works perfectly |
| Brother | HL−1470N | Works perfectly |
| Brother | HL−1650 | Works perfectly |
| Brother | HL−1660e | Works perfectly |
| Brother | HL−1670N | Works perfectly |
| Brother | HL−1850 | Works perfectly |
| Brother | HL−1870N | Works perfectly |
| Brother | HL−2060 | Works perfectly |
| Brother | HL−2400CeN | Works perfectly |
| Brother | HL−2460 | Works perfectly |
| Brother | HL−2460N | Works perfectly |
| Brother | HL−2600CN | |

| | | |
|---|---|---|
| | | Works perfectly |
| Brother | HL−3260N | Works perfectly |
| Brother | HL−3400CN | Works perfectly |
| Brother | HL−3450CN | Works perfectly |
| Brother | HL−4000CN | Works perfectly |
| Brother | HL−4Ve | Works perfectly |
| Brother | HL−5030 | Works perfectly |
| Brother | HL−5040 | Works perfectly |
| Brother | HL−5050 | Works perfectly |
| Brother | HL−5070N | Works perfectly |
| Brother | HL−5140 | Works perfectly |
| Brother | HL−5150D | Works perfectly |
| Brother | HL−5170DN | Works perfectly |
| Brother | HL−630 | Works perfectly |
| Brother | HL−660 | Works perfectly |
| Brother | HL−7050 | Works perfectly |
| Brother | HL−7050N | Works perfectly |
| Brother | HL−720 | Works perfectly |
| Brother | HL−730 | Works perfectly |
| Brother | HL−760 | Works perfectly |
| Brother | HL−8 | Works perfectly |
| Brother | HL−820 | Works perfectly |
| Brother | HL−960 | Works perfectly |

| | | |
|---|---|---|
| Brother | MC−3000 | Works partially |
| Brother | MFC 7150C | Works partially |
| Brother | MFC−4350 | Works partially |
| Brother | MFC−6550MC | Works partially |
| Brother | MFC−8300 | Works partially |
| Brother | MFC−9050 | Works partially |
| Brother | MFC−9100c | Works partially |
| Brother | MFC−9500 | Works partially |
| Brother | MFC−9600 | Works partially |
| Brother | MFC−P2500 | Works partially |
| Brother | MP−21C | None − Paperweight |
| CItoh | M8510 | Works perfectly |
| CalComp | Artisan 1023 penplotter | Works perfectly |
| Canon | BJ−100 | Works perfectly |
| Canon | BJ−10e | Works perfectly |
| Canon | BJ−10v | Works perfectly |
| Canon | BJ−15v | Works perfectly |
| Canon | BJ−20 | Works perfectly |
| Canon | BJ−200 | Works perfectly |
| Canon | BJ−30 | Works perfectly |
| Canon | BJ−300 | Works partially |
| Canon | BJ−330 | Works perfectly |
| Canon | BJ−35v | Works perfectly |

| | | |
|---|---|---|
| Canon | BJ−5 | Works perfectly |
| Canon | BJC−1000 | Works mostly |
| Canon | BJC−2000 | Works mostly |
| Canon | BJC−2010 | Works mostly |
| Canon | BJC−210 | Works perfectly |
| Canon | BJC−2100 | Works mostly |
| Canon | BJC−210SP | Works partially |
| Canon | BJC−2110 | Works mostly |
| Canon | BJC−240 | Works mostly |
| Canon | BJC−250 | Works perfectly |
| Canon | BJC−250ex | Works perfectly |
| Canon | BJC−255SP | Works perfectly |
| Canon | BJC−265SP | Works perfectly |
| Canon | BJC−3000 | Works mostly |
| Canon | BJC−4000 | Works perfectly |
| Canon | BJC−4100 | Works perfectly |
| Canon | BJC−4200 | Works perfectly |
| Canon | BJC−4300 | Works perfectly |
| Canon | BJC−4310SP | Works mostly |
| Canon | BJC−4400 | Works perfectly |
| Canon | BJC−4550 | Works perfectly |
| Canon | BJC−50 | Works mostly |
| Canon | BJC−5000 | None − Paperweight |
| Canon | BJC−5100 | None − Paperweight |
| Canon | BJC−55 | Works mostly |
| Canon | BJC−600 | Works perfectly |
| Canon | BJC−6000 | Works mostly |
| Canon | BJC−610 | Works perfectly |

| | | |
|---|---|---|
| Canon | BJC−6100 | Works partially |
| Canon | BJC−620 | Works perfectly |
| Canon | BJC−6200 | Works partially |
| Canon | BJC−6500 | Works partially |
| Canon | BJC−680J | Works perfectly |
| Canon | BJC−70 | Works perfectly |
| Canon | BJC−7000 | Works partially |
| Canon | BJC−7004 | Works mostly |
| Canon | BJC−7100 | Works partially |
| Canon | BJC−80 | Works mostly |
| Canon | BJC−800 | Works perfectly |
| Canon | BJC−8200 | Works mostly |
| Canon | BJC−85 | Works mostly |
| Canon | BJC−8500 | None − Paperweight |
| Canon | BJC−880J | Works perfectly |
| Canon | CP−100 | Works mostly |
| Canon | GP 335 | Works perfectly |
| Canon | GP 405 | Works perfectly |
| Canon | LBP−1000 | Works perfectly |
| Canon | LBP−1260 | Works perfectly |
| Canon | LBP−1760 | Works perfectly |
| Canon | LBP−310 | Works perfectly |
| Canon | LBP−320 Pro | Works perfectly |
| Canon | LBP−350 | Works perfectly |
| Canon | LBP−4+ | Works perfectly |

| | | |
|---|---|---|
| Canon | LBP–430 | Works perfectly |
| Canon | LBP–460 | None – Paperweight |
| Canon | LBP–470 | Works perfectly |
| Canon | LBP–4U | Works perfectly |
| Canon | LBP–4sx | Works mostly |
| Canon | LBP–600 | None – Paperweight |
| Canon | LBP–660 | None – Paperweight |
| Canon | LBP–800 | None – Paperweight |
| Canon | LBP–8A1 | Works perfectly |
| Canon | LIPS–II+ | Works perfectly |
| Canon | LIPS–III | Works perfectly |
| Canon | LIPS–IV | Works perfectly |
| Canon | LIPS–IVv | Works perfectly |
| Canon | MultiPASS C2500 | Works partially |
| Canon | MultiPASS C3000 | Works partially |
| Canon | MultiPASS C3500 | Works partially |
| Canon | MultiPASS C5000 | Works partially |
| Canon | MultiPASS C5500 | Works partially |
| Canon | Multipass L6000 | None – Paperweight |
| Canon | S100 | Works mostly |
| Canon | S200 | None – Paperweight |
| Canon | S300 | Works partially |
| Canon | S400 | Works mostly |
| Canon | S450 | Works partially |

| | | |
|---|---|---|
| Canon | S4500 | Works partially |
| Canon | S500 | Works partially |
| Canon | S600 | Works partially |
| Canon | S630 | Works partially |
| Canon | S800 | Works partially |
| Canon | imageRunner 330s | Works mostly |
| Casio | KL−E11 | Works mostly |
| Casio | KL−P1000 | Works mostly |
| Casio | KP−C10 | Works mostly |
| Citizen | ProJet II | Works perfectly |
| Citizen | ProJet IIc | Works perfectly |
| Citizen | printiva1700 | Works mostly |
| Citizen | printiva600C | Works perfectly |
| Citizen | printiva600U | Works perfectly |
| Citizen | printiva700 | Works perfectly |
| Compaq | IJ1200 | Works mostly |
| Compaq | IJ300 | None − Paperweight |
| Compaq | IJ750 | Works mostly |
| Compaq | IJ900 | Works partially |
| DEC | 1800 | Works mostly |
| DEC | DECWriter 500i | Works perfectly |
| DEC | DECwriter 110i | Works perfectly |
| DEC | DECwriter 520ic | Works perfectly |
| DEC | LA50 | Works perfectly |
| DEC | LA70 | Works perfectly |
| DEC | LA75 | Works perfectly |
| DEC | LA75 Plus | |

| | | |
|---|---|---|
| | | Works perfectly |
| DEC | LJ250 | Works perfectly |
| DEC | LN03 | Works perfectly |
| DEC | LN07 | Works perfectly |
| DEC | LN17 | Works mostly |
| Dell | M5200 | Works perfectly |
| Dell | S2500 | Works perfectly |
| Dymo−CoStar | ASCII 250 | Works perfectly |
| Dymo−CoStar | ASCII+ | Works perfectly |
| Dymo−CoStar | EL40 | Works perfectly |
| Dymo−CoStar | EL60 | Works perfectly |
| Dymo−CoStar | LabelWriter II | Works perfectly |
| Dymo−CoStar | LabelWriter XL | Works perfectly |
| Dymo−CoStar | LabelWriter XL+ | Works perfectly |
| Dymo−CoStar | SE250 | Works perfectly |
| Dymo−CoStar | SE250+ | Works perfectly |
| Dymo−CoStar | Turbo | Works perfectly |
| Epson | ActionLaser 1100 | Works perfectly |
| Epson | ActionLaser II | Works perfectly |
| Epson | ActionPrinter 3250 | Works perfectly |
| Epson | AcuLaser C1000 | None − Paperweight |
| Epson | AcuLaser C1900 | Works perfectly |
| Epson | AcuLaser C1900PS | Works perfectly |
| Epson | AcuLaser C2000 | |

| | | |
|---|---|---|
| | | Works perfectly |
| Epson | AcuLaser C2000PS | Works perfectly |
| Epson | AcuLaser C4000 | Works perfectly |
| Epson | AcuLaser C4000PS | Works perfectly |
| Epson | AcuLaser C4100 | Works perfectly |
| Epson | AcuLaser C4100PS | Works perfectly |
| Epson | AcuLaser C8500 | Works perfectly |
| Epson | AcuLaser C8500PS | Works perfectly |
| Epson | AcuLaser C8600 | Works perfectly |
| Epson | AcuLaser C8600PS | Works perfectly |
| Epson | AcuLaser C900 | None – Paperweight |
| Epson | AcuLaser C9100 | Works perfectly |
| Epson | CL 700 | Works perfectly |
| Epson | CL 750 | Works perfectly |
| Epson | CL 760 | Works mostly |
| Epson | Dot Matrix | Works perfectly |
| Epson | EM 900C | Works perfectly |
| Epson | EM 900CN | Works perfectly |
| Epson | EM 930C | Works perfectly |
| Epson | EM 930CN | Works perfectly |
| Epson | EPL−5200 | Works perfectly |
| Epson | EPL−5200+ | Works perfectly |
| Epson | EPL−5500W | None – Paperweight |
| Epson | EPL−5700 | Works mostly |

| | | |
|---|---|---|
| Epson | EPL−5700L | Works mostly |
| Epson | EPL−5800 | Works perfectly |
| Epson | EPL−5800L | Works mostly |
| Epson | EPL−5800PS | Works perfectly |
| Epson | EPL−5900 | Works perfectly |
| Epson | EPL−5900L | Works perfectly |
| Epson | EPL−5900PS | Works perfectly |
| Epson | EPL−6100 | Works perfectly |
| Epson | EPL−6100L | Works mostly |
| Epson | EPL−6100PS | Works perfectly |
| Epson | EPL−6200L | Works mostly |
| Epson | EPL−7100 | Works perfectly |
| Epson | EPL−N1600 | Works perfectly |
| Epson | EPL−N1600PS | Works perfectly |
| Epson | EPL−N2050 | Works perfectly |
| Epson | EPL−N2050+ | Works perfectly |
| Epson | EPL−N2050PS | Works perfectly |
| Epson | EPL−N2050PS+ | Works perfectly |
| Epson | EPL−N2120 | Works perfectly |
| Epson | EPL−N2500 | Works perfectly |
| Epson | EPL−N2500PS | Works perfectly |
| Epson | EPL−N2750 | Works perfectly |
| Epson | EPL−N2750PS | Works perfectly |
| Epson | L−1000 | Works perfectly |
| Epson | LP 8000 | |

| | | |
|---|---|---|
| | | Works perfectly |
| Epson | LP−1800 | Works perfectly |
| Epson | LP−1900 | Works perfectly |
| Epson | LP−2000 | Works perfectly |
| Epson | LP−2200 | Works perfectly |
| Epson | LP−2400 | Works perfectly |
| Epson | LP−2500 | Works perfectly |
| Epson | LP−3000 | Works perfectly |
| Epson | LP−3000C | Works perfectly |
| Epson | LP−7000 | Works perfectly |
| Epson | LP−7000G | Works perfectly |
| Epson | LP−7500 | Works perfectly |
| Epson | LP−7700 | Works perfectly |
| Epson | LP−7900 | Works perfectly |
| Epson | LP−8000C | Works perfectly |
| Epson | LP−8100 | Works perfectly |
| Epson | LP−8200C | Works perfectly |
| Epson | LP−8300C | Works perfectly |
| Epson | LP−8300F | Works perfectly |
| Epson | LP−8400F | Works perfectly |
| Epson | LP−8500C | Works perfectly |
| Epson | LP−8600 | Works perfectly |
| Epson | LP−8600F | Works perfectly |

| | | |
|---|---|---|
| Epson | LP−8700 | Works perfectly |
| Epson | LP−8800C | Works perfectly |
| Epson | LP−8900 | Works perfectly |
| Epson | LP−9000B | Works perfectly |
| Epson | LP−9000C | Works perfectly |
| Epson | LP−9100 | Works perfectly |
| Epson | LP−9200B | Works perfectly |
| Epson | LP−9200C | Works perfectly |
| Epson | LP−9300 | Works perfectly |
| Epson | LP−9400 | Works perfectly |
| Epson | LP−9500C | Works perfectly |
| Epson | LP−9600 | Works perfectly |
| Epson | LP−9600S | Works perfectly |
| Epson | LP−9800C | Works perfectly |
| Epson | LP−xx00 | Works perfectly |
| Epson | LQ−24 | Works perfectly |
| Epson | LQ−2550 | Works perfectly |
| Epson | LQ−500 | Works perfectly |
| Epson | LQ−570+ | Works perfectly |
| Epson | LQ−850 | Works perfectly |
| Epson | LX−1050 | Works perfectly |
| Epson | MC 10000 | Works partially |
| Epson | MC 2000 | Works partially |

| | | |
|---|---|---|
| Epson | MC 5000 | Works mostly |
| Epson | MC 7000 | Works perfectly |
| Epson | MC 9000 | Works partially |
| Epson | MJ 5100C | Works mostly |
| Epson | MJ 520C | Works mostly |
| Epson | MJ 6000C | Works perfectly |
| Epson | MJ 8000C | Works perfectly |
| Epson | MJ 930C | Works perfectly |
| Epson | MachJet | Works perfectly |
| Epson | PM 10000 | Works partially |
| Epson | PM 2000C | Works perfectly |
| Epson | PM 2200C | Works perfectly |
| Epson | PM 3000C | Works perfectly |
| Epson | PM 3300C | Works perfectly |
| Epson | PM 3500C | Works perfectly |
| Epson | PM 3700C | Works perfectly |
| Epson | PM 4000PX | Works mostly |
| Epson | PM 5000C | Works mostly |
| Epson | PM 7000C | Works perfectly |
| Epson | PM 700C | Works perfectly |
| Epson | PM 730C | Works perfectly |
| Epson | PM 740C | Works perfectly |
| Epson | PM 750C | Works perfectly |
| Epson | PM 760C | Works perfectly |
| Epson | PM 770C | Works perfectly |

| | | |
|---|---|---|
| Epson | PM 780C | Works perfectly |
| Epson | PM 790PT | Works perfectly |
| Epson | PM 800C | Works perfectly |
| Epson | PM 820C | Works perfectly |
| Epson | PM 850PT | Works perfectly |
| Epson | PM 870C | Works mostly |
| Epson | PM 880C | Works perfectly |
| Epson | PM 9000C | Works partially |
| Epson | PM 930C | None – Paperweight |
| Epson | PM 950C | Works partially |
| Epson | PM 970C | Works partially |
| Epson | PX 7000 | Works partially |
| Epson | PX 9000 | Works partially |
| Epson | PX V500 | Works mostly |
| Epson | SQ 1170 | Works perfectly |
| Epson | Stylus | Works perfectly |
| Epson | Stylus 800 | Works perfectly |
| Epson | Stylus C20SX | Works perfectly |
| Epson | Stylus C20UX | Works perfectly |
| Epson | Stylus C40SX | Works perfectly |
| Epson | Stylus C40UX | Works perfectly |
| Epson | Stylus C41SX | Works perfectly |
| Epson | Stylus C41UX | Works perfectly |
| Epson | Stylus C42SX | Works perfectly |

| | | |
|---|---|---|
| Epson | Stylus C42UX | Works perfectly |
| Epson | Stylus C44UX | Works perfectly |
| Epson | Stylus C46 | Works perfectly |
| Epson | Stylus C50 | Works mostly |
| Epson | Stylus C60 | Works perfectly |
| Epson | Stylus C61 | Works perfectly |
| Epson | Stylus C62 | Works perfectly |
| Epson | Stylus C63 | Works mostly |
| Epson | Stylus C64 | Works mostly |
| Epson | Stylus C70 | Works perfectly |
| Epson | Stylus C80 | Works perfectly |
| Epson | Stylus C82 | Works perfectly |
| Epson | Stylus C83 | Works mostly |
| Epson | Stylus C84 | Works mostly |
| Epson | Stylus C86 | Works mostly |
| Epson | Stylus CX3200 | Works perfectly |
| Epson | Stylus CX5200 | Works perfectly |
| Epson | Stylus CX5400 | Works mostly |
| Epson | Stylus CX6400 | Works mostly |
| Epson | Stylus Color | Works perfectly |
| Epson | Stylus Color 1160 | Works perfectly |
| Epson | Stylus Color 1500 | Works perfectly |
| Epson | Stylus Color 1520 | Works perfectly |
| Epson | Stylus Color 200 | Works mostly |
| Epson | Stylus Color 300 | Works mostly |
| Epson | Stylus Color 3000 | Works perfectly |
| Epson | Stylus Color 400 | Works perfectly |
| Epson | Stylus Color 440 | |

| | | |
|---|---|---|
| | | Works perfectly |
| Epson | Stylus Color 460 | Works perfectly |
| Epson | Stylus Color 480 | Works perfectly |
| Epson | Stylus Color 500 | Works perfectly |
| Epson | Stylus Color 580 | Works perfectly |
| Epson | Stylus Color 600 | Works perfectly |
| Epson | Stylus Color 640 | Works perfectly |
| Epson | Stylus Color 660 | Works perfectly |
| Epson | Stylus Color 670 | Works perfectly |
| Epson | Stylus Color 680 | Works perfectly |
| Epson | Stylus Color 740 | Works perfectly |
| Epson | Stylus Color 760 | Works perfectly |
| Epson | Stylus Color 777 | Works perfectly |
| Epson | Stylus Color 8 3 | Works perfectly |
| Epson | Stylus Color 800 | Works perfectly |
| Epson | Stylus Color 850 | Works perfectly |
| Epson | Stylus Color 860 | Works perfectly |
| Epson | Stylus Color 880 | Works perfectly |
| Epson | Stylus Color 900 | Works perfectly |
| Epson | Stylus Color 980 | Works perfectly |
| Epson | Stylus Color I | Works perfectly |
| Epson | Stylus Color II | Works mostly |
| Epson | Stylus Color IIs | Works mostly |
| Epson | Stylus Color PRO | Works perfectly |

| | | |
|---|---|---|
| Epson | Stylus Photo | Works perfectly |
| Epson | Stylus Photo 1200 | Works perfectly |
| Epson | Stylus Photo 1270 | Works perfectly |
| Epson | Stylus Photo 1280 | Works perfectly |
| Epson | Stylus Photo 1290 | Works perfectly |
| Epson | Stylus Photo 1290S | Works perfectly |
| Epson | Stylus Photo 2000P | Works partially |
| Epson | Stylus Photo 2100 | Works mostly |
| Epson | Stylus Photo 2200 | Works mostly |
| Epson | Stylus Photo 700 | Works perfectly |
| Epson | Stylus Photo 720 | Works perfectly |
| Epson | Stylus Photo 750 | Works perfectly |
| Epson | Stylus Photo 780 | Works perfectly |
| Epson | Stylus Photo 785 | Works perfectly |
| Epson | Stylus Photo 790 | Works perfectly |
| Epson | Stylus Photo 810 | Works perfectly |
| Epson | Stylus Photo 820 | Works perfectly |
| Epson | Stylus Photo 825 | Works perfectly |
| Epson | Stylus Photo 830 | Works perfectly |
| Epson | Stylus Photo 870 | Works perfectly |
| Epson | Stylus Photo 875 | Works perfectly |
| Epson | Stylus Photo 890 | Works perfectly |
| Epson | Stylus Photo 895 | Works perfectly |
| Epson | Stylus Photo 900 | Works perfectly |

| | | |
|---|---|---|
| Epson | Stylus Photo 915 | Works perfectly |
| Epson | Stylus Photo 925 | Works perfectly |
| Epson | Stylus Photo 950 | Works mostly |
| Epson | Stylus Photo 960 | Works mostly |
| Epson | Stylus Photo EX | Works perfectly |
| Epson | Stylus Photo EX3 | Works perfectly |
| Epson | Stylus Photo R1800 | Works mostly |
| Epson | Stylus Photo R200 | Works partially |
| Epson | Stylus Photo R300 | Works partially |
| Epson | Stylus Photo R800 | Works mostly |
| Epson | Stylus Photo RX500 | Works partially |
| Epson | Stylus Photo RX600 | Works partially |
| Epson | Stylus Pro 10000 | Works partially |
| Epson | Stylus Pro 5000 | Works mostly |
| Epson | Stylus Pro 5500 | Works mostly |
| Epson | Stylus Pro 7000 | Works perfectly |
| Epson | Stylus Pro 7500 | Works perfectly |
| Epson | Stylus Pro 7600 | Works partially |
| Epson | Stylus Pro 9000 | Works partially |
| Epson | Stylus Pro 9500 | Works partially |
| Epson | Stylus Pro 9600 | Works partially |
| Epson | Stylus Pro XL | Works mostly |
| Epson | Stylus Scan 2000 | Works perfectly |
| Epson | Stylus Scan 2500 | Works perfectly |
| Fujitsu | 1200 | Works perfectly |
| Fujitsu | 2400 | Works perfectly |

| | | |
|---|---|---|
| Fujitsu | 3400 | Works perfectly |
| Fujitsu | FMLBP2xx Page Printer | Works perfectly |
| Fujitsu | FMPR | Works perfectly |
| Fujitsu | PrintPartner 10V | Works perfectly |
| Fujitsu | PrintPartner 16DV | Works perfectly |
| Fujitsu | PrintPartner 20W | Works perfectly |
| Fujitsu | PrintPartner 8000 | Works perfectly |
| Generic | ESC/P Dot Matrix Printer | Works perfectly |
| Generic | GDI Printer | None – Paperweight |
| Generic | IBM–Compatible Dot Matrix Printer | Works perfectly |
| Generic | OAKT Printer | Works partially |
| Generic | PCL 3 Printer | Works perfectly |
| Generic | PCL 4 Printer | Works perfectly |
| Generic | PCL 5 Printer | Works perfectly |
| Generic | PCL 5c Printer | Works perfectly |
| Generic | PCL 5e Printer | Works perfectly |
| Generic | PCL 6/PCL XL Printer | Works perfectly |
| Generic | PostScript Printer | Works perfectly |
| Generic | ZjStream Printer | Works partially |
| Gestetner | 10512 PS | Works perfectly |
| Gestetner | 2212 PS | Works perfectly |
| Gestetner | 2712 PS | Works perfectly |
| Gestetner | 3212 PS | Works perfectly |

| | | |
|---|---|---|
| Gestetner | 3502 PS | Works perfectly |
| Gestetner | 3532/4235g PS | Works perfectly |
| Gestetner | 4502 PS | Works perfectly |
| Gestetner | 4532/4245g PS | Works perfectly |
| Gestetner | 6002 PS | Works perfectly |
| Gestetner | 7502 PS | Works perfectly |
| Gestetner | 9002 PS | Works perfectly |
| Gestetner | C7010 PS | Works perfectly |
| Gestetner | C7116 PS | Works perfectly |
| Gestetner | C7416 PS | Works perfectly |
| Gestetner | C7417 PS | Works perfectly |
| Gestetner | C7425dn PS | Works perfectly |
| Gestetner | C7435n PS | Works perfectly |
| Gestetner | DSc224 PS | Works perfectly |
| Gestetner | DSc232 PS | Works perfectly |
| Gestetner | DSc328 PS | Works perfectly |
| Gestetner | DSc332 PS | Works perfectly |
| Gestetner | DSc338 PS | Works perfectly |
| Gestetner | DSc38 PS | Works perfectly |
| Gestetner | DSc38u PS | Works perfectly |
| Gestetner | DSc424 PS | Works perfectly |
| Gestetner | DSc428 PS | Works perfectly |
| Gestetner | DSc432 PS | Works perfectly |

| | | |
|---|---|---|
| Gestetner | DSc435 PS | Works perfectly |
| Gestetner | DSc445 PS | Works perfectly |
| Gestetner | DSc524 PS | Works perfectly |
| Gestetner | DSc532 PS | Works perfectly |
| Gestetner | DSm415 PS | Works perfectly |
| Gestetner | DSm615 PS | Works perfectly |
| Gestetner | DSm618 PS | Works perfectly |
| Gestetner | DSm618d PS | Works perfectly |
| Gestetner | DSm622 PS | Works perfectly |
| Gestetner | DSm627 PS | Works perfectly |
| Gestetner | DSm635/635G PS | Works perfectly |
| Gestetner | DSm645/645G PS | Works perfectly |
| Gestetner | DSm651 PS | Works perfectly |
| Gestetner | DSm660 PS | Works perfectly |
| Gestetner | DSm675 PS | Works perfectly |
| Gestetner | F9199/9199nf PS | Works perfectly |
| Gestetner | P7026 PS | Works perfectly |
| Gestetner | P7026n PS | Works perfectly |
| Gestetner | P7032 PS | Works perfectly |
| Gestetner | P7126 PS | Works perfectly |
| Gestetner | P7126n PS | Works perfectly |
| Gestetner | P7132n PS | Works perfectly |
| Gestetner | P7145 PS | Works perfectly |

| | | |
|---|---|---|
| Gestetner | P7325 PS | Works perfectly |
| Gestetner | P7325n PS | Works perfectly |
| Gestetner | P7431cn PS | Works perfectly |
| Gestetner | P7527 PS | Works perfectly |
| Gestetner | P7527n PS | Works perfectly |
| Gestetner | P7535n PS | Works perfectly |
| Gestetner | P7575 PS | Works perfectly |
| HP | 2000C | Works perfectly |
| HP | 2500C | Works perfectly |
| HP | 2500CM | Works perfectly |
| HP | 2563 | Works perfectly |
| HP | Business Inkjet 1000 | Works perfectly |
| HP | Business Inkjet 1100 | Works perfectly |
| HP | Business Inkjet 1200 | Works perfectly |
| HP | Business Inkjet 2200 | Works perfectly |
| HP | Business Inkjet 2230 | Works perfectly |
| HP | Business Inkjet 2250 | Works perfectly |
| HP | Business Inkjet 2250TN | Works perfectly |
| HP | Business Inkjet 2280 | Works perfectly |
| HP | Business Inkjet 2300 | Works perfectly |
| HP | Business Inkjet 2600 | Works perfectly |
| HP | Business Inkjet 2800 | Works perfectly |
| HP | Business Inkjet 3000 | Works perfectly |

| | | |
|---|---|---|
| HP | Color Inkjet Printer CP1160 | Works perfectly |
| HP | Color Inkjet Printer CP1700 | Works perfectly |
| HP | Color LaserJet 1500 | Unknown |
| HP | Color LaserJet 2500 | Works perfectly |
| HP | Color LaserJet 2550 | Works perfectly |
| HP | Color LaserJet 3500 | Works perfectly |
| HP | Color LaserJet 3550 | Works perfectly |
| HP | Color LaserJet 3700 | Works perfectly |
| HP | Color LaserJet 4500 | Works perfectly |
| HP | Color LaserJet 4550 | Works perfectly |
| HP | Color LaserJet 4600 | Works perfectly |
| HP | Color LaserJet 4610 | Works perfectly |
| HP | Color LaserJet 4650 | Works perfectly |
| HP | Color LaserJet 5 | Works perfectly |
| HP | Color LaserJet 5000 | Works perfectly |
| HP | Color LaserJet 5500 | Works perfectly |
| HP | Color LaserJet 5550 | Works perfectly |
| HP | Color LaserJet 5M | Works perfectly |
| HP | Color LaserJet 8500 | Works perfectly |
| HP | Color LaserJet 8550GN | Works perfectly |
| HP | Color LaserJet 9500 | Works perfectly |
| HP | ColorLaserJet 9500 MFP | Works perfectly |
| HP | DesignJet 100plus | Works mostly |
| HP | DesignJet 230 | Works perfectly |

| | | |
|---|---|---|
| HP | DesignJet 2500CP | Works perfectly |
| HP | DesignJet 250C | Works mostly |
| HP | DesignJet 3500CP | Works perfectly |
| HP | DesignJet 350C | Works mostly |
| HP | DesignJet 430 | Works perfectly |
| HP | DesignJet 450C | Works mostly |
| HP | DesignJet 455CA | Works mostly |
| HP | DesignJet 488CA | Works mostly |
| HP | DesignJet 500ps | Works mostly |
| HP | DesignJet 5500 | Works partially |
| HP | DesignJet 5500ps | Works perfectly |
| HP | DesignJet 650C | Works mostly |
| HP | DesignJet 700 | Works perfectly |
| HP | DesignJet 750C | Works mostly |
| HP | DesignJet 750C Plus | Works mostly |
| HP | DesignJet ColorPro CAD | Works perfectly |
| HP | DeskJet | Works perfectly |
| HP | DeskJet 1000C | Works perfectly |
| HP | DeskJet 1100C | Works perfectly |
| HP | DeskJet 1120C | Works perfectly |
| HP | DeskJet 1125C | Works perfectly |
| HP | DeskJet 1200C | Works perfectly |
| HP | DeskJet 1220C | Works perfectly |
| HP | DeskJet 1280 | Works perfectly |
| HP | DeskJet 1600C | Works perfectly |
| HP | DeskJet 1600CM | Works perfectly |
| HP | DeskJet 200 | Works perfectly |

| | | |
|---|---|---|
| HP | DeskJet 310 | Works perfectly |
| HP | DeskJet 320 | Works perfectly |
| HP | DeskJet 3320 | Works mostly |
| HP | DeskJet 3325 | Works mostly |
| HP | DeskJet 340C | Works perfectly |
| HP | DeskJet 3420 | Works mostly |
| HP | DeskJet 3425 | Works mostly |
| HP | DeskJet 350C | Works mostly |
| HP | DeskJet 3520 | Works mostly |
| HP | DeskJet 3528 | Works mostly |
| HP | DeskJet 3535 | Works mostly |
| HP | DeskJet 3550 | Works mostly |
| HP | DeskJet 3558 | Works mostly |
| HP | DeskJet 3650 | Works mostly |
| HP | DeskJet 3658 | Works mostly |
| HP | DeskJet 3668 | Works mostly |
| HP | DeskJet 3740 | Works mostly |
| HP | DeskJet 3810 | Works perfectly |
| HP | DeskJet 3816 | Works perfectly |
| HP | DeskJet 3820 | Works perfectly |
| HP | DeskJet 3822 | Works perfectly |
| HP | DeskJet 3840 | Works mostly |
| HP | DeskJet 3845 | Works mostly |
| HP | DeskJet 3920 | Works mostly |
| HP | DeskJet 3940 | Works mostly |
| HP | DeskJet 400 | Works perfectly |
| HP | DeskJet 420C | Works mostly |
| HP | DeskJet 450 | Works perfectly |
| HP | DeskJet 500 | Works perfectly |
| HP | DeskJet 500C | Works perfectly |
| HP | DeskJet 505J Plus | Works perfectly |
| HP | DeskJet 510 | |

| | | |
|---|---|---|
| | | Works perfectly |
| HP | DeskJet 5150 | Works perfectly |
| HP | DeskJet 5158 | Works perfectly |
| HP | DeskJet 5160 | Works perfectly |
| HP | DeskJet 520 | Works mostly |
| HP | DeskJet 540C | Works perfectly |
| HP | DeskJet 550C | Works perfectly |
| HP | DeskJet 5550 | Works perfectly |
| HP | DeskJet 5551 | Works perfectly |
| HP | DeskJet 560C | Works mostly |
| HP | DeskJet 5650 | Works perfectly |
| HP | DeskJet 5652 | Works perfectly |
| HP | DeskJet 5670 | Works perfectly |
| HP | DeskJet 5740 | Works perfectly |
| HP | DeskJet 5850 | Works perfectly |
| HP | DeskJet 600 | Works perfectly |
| HP | DeskJet 610C | Works perfectly |
| HP | DeskJet 610CL | Works perfectly |
| HP | DeskJet 6122 | Works perfectly |
| HP | DeskJet 6127 | Works perfectly |
| HP | DeskJet 612C | Works perfectly |
| HP | DeskJet 630C | Works perfectly |
| HP | DeskJet 632C | Works perfectly |
| HP | DeskJet 640C | Works perfectly |

| | | |
|---|---|---|
| HP | DeskJet 648C | Works perfectly |
| HP | DeskJet 6520 | Works perfectly |
| HP | DeskJet 6540 | Works perfectly |
| HP | DeskJet 656C | Works perfectly |
| HP | DeskJet 6600 | Works perfectly |
| HP | DeskJet 660C | Works perfectly |
| HP | DeskJet 670C | Works perfectly |
| HP | DeskJet 670TV | Works perfectly |
| HP | DeskJet 672C | Works perfectly |
| HP | DeskJet 6800 | Works perfectly |
| HP | DeskJet 680C | Works perfectly |
| HP | DeskJet 682C | Works perfectly |
| HP | DeskJet 6840 | Works perfectly |
| HP | DeskJet 690C | Works perfectly |
| HP | DeskJet 692C | Works perfectly |
| HP | DeskJet 693C | Works perfectly |
| HP | DeskJet 694C | Works perfectly |
| HP | DeskJet 695C | Works perfectly |
| HP | DeskJet 697C | Works perfectly |
| HP | DeskJet 710C | Works perfectly |
| HP | DeskJet 712C | Works perfectly |
| HP | DeskJet 720C | Works perfectly |
| HP | DeskJet 722C | Works perfectly |

| | | |
|---|---|---|
| HP | DeskJet 810C | Works perfectly |
| HP | DeskJet 812C | Works perfectly |
| HP | DeskJet 815C | Works perfectly |
| HP | DeskJet 816C | Works perfectly |
| HP | DeskJet 820C | Works perfectly |
| HP | DeskJet 825C | Works perfectly |
| HP | DeskJet 830C | Works perfectly |
| HP | DeskJet 832C | Works perfectly |
| HP | DeskJet 840C | Works perfectly |
| HP | DeskJet 841C | Works perfectly |
| HP | DeskJet 842C | Works perfectly |
| HP | DeskJet 843C | Works perfectly |
| HP | DeskJet 845C | Works perfectly |
| HP | DeskJet 850C | Works perfectly |
| HP | DeskJet 855C | Works perfectly |
| HP | DeskJet 870C | Works perfectly |
| HP | DeskJet 880C | Works perfectly |
| HP | DeskJet 882C | Works perfectly |
| HP | DeskJet 890C | Works perfectly |
| HP | DeskJet 895C | Works perfectly |
| HP | DeskJet 916C | Works perfectly |
| HP | DeskJet 920C | Works perfectly |
| HP | DeskJet 9300 | Works perfectly |

| | | |
|---|---|---|
| HP | DeskJet 930C | Works perfectly |
| HP | DeskJet 932C | Works perfectly |
| HP | DeskJet 933C | Works perfectly |
| HP | DeskJet 934C | Works perfectly |
| HP | DeskJet 935C | Works perfectly |
| HP | DeskJet 940C | Works perfectly |
| HP | DeskJet 948C | Works perfectly |
| HP | DeskJet 950C | Works perfectly |
| HP | DeskJet 952C | Works perfectly |
| HP | DeskJet 955C | Works perfectly |
| HP | DeskJet 957C | Works perfectly |
| HP | DeskJet 959C | Works perfectly |
| HP | DeskJet 9600 | Works perfectly |
| HP | DeskJet 960C | Works perfectly |
| HP | DeskJet 970C | Works perfectly |
| HP | DeskJet 975C | Works perfectly |
| HP | DeskJet 9800 | Works perfectly |
| HP | DeskJet 980C | Works perfectly |
| HP | DeskJet 990C | Works perfectly |
| HP | DeskJet 995C | Works perfectly |
| HP | DeskJet Plus | Works perfectly |
| HP | DeskJet Portable | Works perfectly |
| HP | LaserJet | Works perfectly |

| | | |
|---|---|---|
| HP | LaserJet 1000 | Works mostly |
| HP | LaserJet 1005 | Works mostly |
| HP | LaserJet 1010 | Works mostly |
| HP | LaserJet 1012 | Works mostly |
| HP | LaserJet 1015 | Works mostly |
| HP | LaserJet 1022 | Works perfectly |
| HP | LaserJet 1100 | Works perfectly |
| HP | LaserJet 1100A | Works perfectly |
| HP | LaserJet 1150 | Works mostly |
| HP | LaserJet 1160 | Works perfectly |
| HP | LaserJet 1200 | Works perfectly |
| HP | LaserJet 1220 | Works perfectly |
| HP | LaserJet 1300 | Works perfectly |
| HP | LaserJet 1320 | Works perfectly |
| HP | LaserJet 2 | Works perfectly |
| HP | LaserJet 2 w/PS | Works perfectly |
| HP | LaserJet 2100 | Works perfectly |
| HP | LaserJet 2100M | Works perfectly |
| HP | LaserJet 2200 | Works perfectly |
| HP | LaserJet 2300 | Works perfectly |
| HP | LaserJet 2410 | Works perfectly |
| HP | LaserJet 2420 | Works perfectly |
| HP | LaserJet 2430 | Works perfectly |
| HP | LaserJet 2D | Works mostly |
| HP | LaserJet 2P | Works perfectly |
| HP | LaserJet 2P Plus | Works perfectly |

| | | |
|---|---|---|
| HP | LaserJet 3 | Works perfectly |
| HP | LaserJet 3015 | Works mostly |
| HP | LaserJet 3020 | Works mostly |
| HP | LaserJet 3030 | Works mostly |
| HP | LaserJet 3100 | None – Paperweight |
| HP | LaserJet 3150 | None – Paperweight |
| HP | LaserJet 3200 | Works mostly |
| HP | LaserJet 3200m | Works mostly |
| HP | LaserJet 3200se | Works mostly |
| HP | LaserJet 3300 MFP | Works perfectly |
| HP | LaserJet 3310 MFP | Works perfectly |
| HP | LaserJet 3320 MFP | Works perfectly |
| HP | LaserJet 3320N MFP | Works perfectly |
| HP | LaserJet 3330 MFP | Works mostly |
| HP | LaserJet 3380 | Works mostly |
| HP | LaserJet 3D | Works perfectly |
| HP | LaserJet 3P w/ PCL5 | Works perfectly |
| HP | LaserJet 3P w/PS | Works perfectly |
| HP | LaserJet 4 | Works perfectly |
| HP | LaserJet 4 Plus | Works perfectly |
| HP | LaserJet 4000 | Works perfectly |
| HP | LaserJet 4050 | Works perfectly |
| HP | LaserJet 4100 | Works perfectly |
| HP | LaserJet 4200 | Works perfectly |
| HP | LaserJet 4240 | Works perfectly |
| HP | LaserJet 4250 | Works perfectly |
| HP | LaserJet 4300 | |

| | | |
|---|---|---|
| | | Works perfectly |
| HP | LaserJet 4345 mfp | Works perfectly |
| HP | LaserJet 4350 | Works perfectly |
| HP | LaserJet 4L | Works perfectly |
| HP | LaserJet 4M | Works perfectly |
| HP | LaserJet 4ML | Works perfectly |
| HP | LaserJet 4P | Works perfectly |
| HP | LaserJet 4Si | Works perfectly |
| HP | LaserJet 4V | Works perfectly |
| HP | LaserJet 4V/4LJ Pro | Works perfectly |
| HP | LaserJet 5 | Works perfectly |
| HP | LaserJet 5000 | Works perfectly |
| HP | LaserJet 5100 | Works perfectly |
| HP | LaserJet 5L | Works perfectly |
| HP | LaserJet 5M | Works perfectly |
| HP | LaserJet 5MP | Works perfectly |
| HP | LaserJet 5P | Works perfectly |
| HP | LaserJet 5Si | Works perfectly |
| HP | LaserJet 6 | Works perfectly |
| HP | LaserJet 6L | Works perfectly |
| HP | LaserJet 6MP | Works perfectly |
| HP | LaserJet 6P | Works perfectly |
| HP | LaserJet 8000 | Works perfectly |

| | | |
|---|---|---|
| HP | LaserJet 8100 | Works perfectly |
| HP | LaserJet 8150 | Works perfectly |
| HP | LaserJet 9000 | Works perfectly |
| HP | LaserJet 9000 MFP | Works perfectly |
| HP | LaserJet 9040 | Works perfectly |
| HP | LaserJet 9040 MFP | Works perfectly |
| HP | LaserJet 9050 | Works perfectly |
| HP | LaserJet 9055 MFP | Works perfectly |
| HP | LaserJet 9065 MFP | Works perfectly |
| HP | LaserJet Plus | Works perfectly |
| HP | LaserJet _9050_MFP | Works perfectly |
| HP | Mopier 240 | Works perfectly |
| HP | Mopier 320 | Works perfectly |
| HP | OfficeJet | Works mostly |
| HP | OfficeJet 300 | Works mostly |
| HP | OfficeJet 330 | Works mostly |
| HP | OfficeJet 350 | Works mostly |
| HP | OfficeJet 4100 | Works mostly |
| HP | OfficeJet 4105 | Works mostly |
| HP | OfficeJet 4110 | Works mostly |
| HP | OfficeJet 4115 | Works mostly |
| HP | OfficeJet 4200 | Works mostly |
| HP | OfficeJet 500 | Works mostly |
| HP | OfficeJet 5105 | Works mostly |
| HP | OfficeJet 5110 | Works mostly |
| HP | OfficeJet 5110xi | Works mostly |
| HP | OfficeJet 520 | Works mostly |
| HP | OfficeJet 5500 | Works mostly |
| HP | OfficeJet 570 | Works mostly |
| HP | OfficeJet 580 | Works mostly |
| HP | OfficeJet 590 | Works mostly |

| | | |
|---|---|---|
| HP | OfficeJet 600 | Works mostly |
| HP | OfficeJet 610 | Works mostly |
| HP | OfficeJet 6100 | Works mostly |
| HP | OfficeJet 6105 | Works mostly |
| HP | OfficeJet 6110 | Works mostly |
| HP | OfficeJet 6150 | Works mostly |
| HP | OfficeJet 6200 | Works mostly |
| HP | OfficeJet 625 | Works mostly |
| HP | OfficeJet 630 | Works mostly |
| HP | OfficeJet 635 | Works mostly |
| HP | OfficeJet 700 | Works mostly |
| HP | OfficeJet 710 | Works mostly |
| HP | OfficeJet 7100 | Works mostly |
| HP | OfficeJet 7110 | Works mostly |
| HP | OfficeJet 7130 | Works mostly |
| HP | OfficeJet 7140 | Works mostly |
| HP | OfficeJet 720 | Works mostly |
| HP | OfficeJet 7200 | Works mostly |
| HP | OfficeJet 725 | Works mostly |
| HP | OfficeJet 7300 | Works mostly |
| HP | OfficeJet 7400 | Works mostly |
| HP | OfficeJet 9100 | Works mostly |
| HP | OfficeJet D125 | Works perfectly |
| HP | OfficeJet D135 | Works mostly |
| HP | OfficeJet D145 | Works mostly |
| HP | OfficeJet D155 | Works mostly |
| HP | OfficeJet G55 | Works perfectly |
| HP | OfficeJet G85 | Works mostly |
| HP | OfficeJet G95 | Works mostly |
| HP | OfficeJet K60 | Works mostly |
| HP | OfficeJet K60xi | Works mostly |
| HP | OfficeJet K80 | Works mostly |
| HP | OfficeJet K80xi | Works mostly |
| HP | OfficeJet LX | Works mostly |
| HP | OfficeJet Pro 1150C | Works perfectly |
| HP | OfficeJet Pro 1170C | Works perfectly |
| HP | OfficeJet Pro 1175C | Works perfectly |

| | | |
|---|---|---|
| HP | OfficeJet R40 | Works perfectly |
| HP | OfficeJet R45 | Works perfectly |
| HP | OfficeJet R60 | Works perfectly |
| HP | OfficeJet R65 | Works perfectly |
| HP | OfficeJet R80 | Works perfectly |
| HP | OfficeJet T45 | Works mostly |
| HP | OfficeJet T65 | Works mostly |
| HP | OfficeJet V40 | Works mostly |
| HP | OfficeJet V40xi | Works mostly |
| HP | PSC 1100 | Works mostly |
| HP | PSC 1110 | Works mostly |
| HP | PSC 1200 | Works mostly |
| HP | PSC 1205 | Works mostly |
| HP | PSC 1210 | Works mostly |
| HP | PSC 1300 | Works mostly |
| HP | PSC 1310 | Works mostly |
| HP | PSC 1600 | Works mostly |
| HP | PSC 2110 | Works perfectly |
| HP | PSC 2150 | Works perfectly |
| HP | PSC 2170 | Works perfectly |
| HP | PSC 2175 | Works perfectly |
| HP | PSC 2210 | Works perfectly |
| HP | PSC 2300 | Works perfectly |
| HP | PSC 2350 | Works perfectly |
| HP | PSC 2400 | Works perfectly |
| HP | PSC 2500 | Works perfectly |
| HP | PSC 370 | Works perfectly |
| HP | PSC 380 | Works perfectly |

| | | |
|---|---|---|
| HP | PSC 500 | Works perfectly |
| HP | PSC 750 | Works perfectly |
| HP | PSC 750xi | Works perfectly |
| HP | PSC 950 | Works mostly |
| HP | PSC 950xi | Works mostly |
| HP | PaintJet | Works perfectly |
| HP | PaintJet XL | Works perfectly |
| HP | PaintJet XL300 | Works perfectly |
| HP | PhotoSmart | None – Paperweight |
| HP | PhotoSmart 140 | Works perfectly |
| HP | PhotoSmart 240 | Works perfectly |
| HP | PhotoSmart 2600 | Works perfectly |
| HP | PhotoSmart 2700 | Works perfectly |
| HP | PhotoSmart 320 | Works perfectly |
| HP | PhotoSmart 330 | Works perfectly |
| HP | PhotoSmart 370 | Works perfectly |
| HP | PhotoSmart 380 | Works perfectly |
| HP | PhotoSmart 7150 | Works perfectly |
| HP | PhotoSmart 7260 | Works perfectly |
| HP | PhotoSmart 7268 | Works perfectly |
| HP | PhotoSmart 7345 | Works perfectly |
| HP | PhotoSmart 7350 | Works perfectly |
| HP | PhotoSmart 7400 | Works perfectly |
| HP | PhotoSmart 7550 | Works perfectly |

| | | |
|---|---|---|
| HP | PhotoSmart 7660 | Works perfectly |
| HP | PhotoSmart 7760 | Works perfectly |
| HP | PhotoSmart 7960 | Works perfectly |
| HP | PhotoSmart 8100 | Works perfectly |
| HP | PhotoSmart 8200 | Works perfectly |
| HP | PhotoSmart 8400 | Works perfectly |
| HP | PhotoSmart 8700 | Works perfectly |
| HP | PhotoSmart P100 | Works perfectly |
| HP | PhotoSmart P1000 | Works perfectly |
| HP | PhotoSmart P1100 | Works perfectly |
| HP | PhotoSmart P1115 | Works perfectly |
| HP | PhotoSmart P1215 | Works perfectly |
| HP | PhotoSmart P1218 | Works perfectly |
| HP | PhotoSmart P130 | Works perfectly |
| HP | PhotoSmart P1315 | Works perfectly |
| HP | PhotoSmart P230 | Works perfectly |
| HP | ThinkJet | Works partially |
| HP | e−printer e20 | Works perfectly |
| Heidelberg | Digimaster 9110 | Works perfectly |
| Hitachi | DDP 70 (with MicroPress) | Works perfectly |
| IBM | 3853 JetPrinter | Works perfectly |
| IBM | 4019 | Works perfectly |
| IBM | 4029 030 LaserPrinter 10 | Works partially |

| | | |
|---|---|---|
| IBM | 4029 10P | Works perfectly |
| IBM | 4303 Network Color Printer | Works perfectly |
| IBM | Execjet 4072 | Works perfectly |
| IBM | Infoprint 12 | Works perfectly |
| IBM | Page Printer 3112 | Works perfectly |
| IBM | ProPrinterII | Works perfectly |
| Imagen | ImPress | Works perfectly |
| Infotec | 4353 MF PS | Works perfectly |
| Infotec | 4452 MF PS | Works perfectly |
| Infotec | 4651 MF | Works perfectly |
| Infotec | IP 280 PS | Works perfectly |
| Infotec | IPC 2525 PS | Works perfectly |
| Infotec | IPC 2525e PS | Works perfectly |
| Infotec | IPC 3535 PS | Works perfectly |
| Infotec | IPC1036 PS | Works perfectly |
| Infotec | IPC2838 PS | Works perfectly |
| Infotec | IS 2015 PS | Works perfectly |
| Infotec | IS 2018 PS | Works perfectly |
| Infotec | IS 2018D PS | Works perfectly |
| Infotec | IS 2060 PS | Works perfectly |
| Infotec | IS 2075 PS | Works perfectly |
| Infotec | IS 2122 PS | Works perfectly |
| Infotec | IS 2127 PS | Works perfectly |

| | | |
|---|---|---|
| Infotec | IS 2132 PS | Works perfectly |
| Infotec | IS 2135 PS | Works perfectly |
| Infotec | IS 2145 PS | Works perfectly |
| Infotec | IS 2151 PS | Works perfectly |
| Infotec | IS 2160 PS | Works perfectly |
| Infotec | IS 2175 PS | Works perfectly |
| Infotec | IS 2215 PS | Works perfectly |
| Infotec | IS2022 PS | Works perfectly |
| Infotec | IS2027 PS | Works perfectly |
| Infotec | IS2032 PS | Works perfectly |
| Infotec | IS2035 PS | Works perfectly |
| Infotec | IS2045 PS | Works perfectly |
| Infotec | IS2090 PS | Works perfectly |
| Infotec | IS2105 PS | Works perfectly |
| Infotec | ISC 1024c PS | Works perfectly |
| Infotec | ISC 1032c PS | Works perfectly |
| Infotec | ISC 2028 PS | Works perfectly |
| Infotec | ISC 2428 PS | Works perfectly |
| Infotec | ISC 2432 PS | Works perfectly |
| Infotec | ISC 2835 PS | Works perfectly |
| Infotec | ISC 2838 PS | Works perfectly |
| Infotec | ISC 3545 PS | Works perfectly |
| Infotec | ISC1032 PS | Works perfectly |

| | | |
|---|---|---|
| Infotec | ISC824 PS | Works perfectly |
| Kodak | DigiSource 9110 | Works perfectly |
| Kodak | IS 70 CPII | Works perfectly |
| Kyocera | F−1000 | Works perfectly |
| Kyocera | F−1010 | Works perfectly |
| Kyocera | F−1200 | Works perfectly |
| Kyocera | F−1200S | Works perfectly |
| Kyocera | F−1800 | Works perfectly |
| Kyocera | F−2000 | Works perfectly |
| Kyocera | F−2010 | Works perfectly |
| Kyocera | F−2200 | Works perfectly |
| Kyocera | F−2200S | Works perfectly |
| Kyocera | F−3000 | Works perfectly |
| Kyocera | F−3010 | Works perfectly |
| Kyocera | F−3300 | Works perfectly |
| Kyocera | F−5000 | Works perfectly |
| Kyocera | F−800 | Works perfectly |
| Kyocera | F−800T | Works perfectly |
| Kyocera | F−820 | Works perfectly |
| Kyocera | FS−1000 | Works perfectly |
| Kyocera | FS−1000+ | Works perfectly |
| Kyocera | FS−1010 | Works perfectly |
| Kyocera | FS−1050 | Works perfectly |

| | | |
|---|---|---|
| Kyocera | FS−1200 | Works perfectly |
| Kyocera | FS−1500 | Works perfectly |
| Kyocera | FS−1550 | Works perfectly |
| Kyocera | FS−1550+ | Works perfectly |
| Kyocera | FS−1600 | Works perfectly |
| Kyocera | FS−1600+ | Works perfectly |
| Kyocera | FS−1700 | Works perfectly |
| Kyocera | FS−1700+ | Works perfectly |
| Kyocera | FS−1750 | Works perfectly |
| Kyocera | FS−1800 | Works perfectly |
| Kyocera | FS−1800+ | Works perfectly |
| Kyocera | FS−1900 | Works perfectly |
| Kyocera | FS−3400 | Works perfectly |
| Kyocera | FS−3400+ | Works perfectly |
| Kyocera | FS−3500 | Works perfectly |
| Kyocera | FS−3600 | Works perfectly |
| Kyocera | FS−3600+ | Works perfectly |
| Kyocera | FS−3700 | Works perfectly |
| Kyocera | FS−3700+ | Works perfectly |
| Kyocera | FS−3750 | Works perfectly |
| Kyocera | FS−3800 | Works perfectly |
| Kyocera | FS−400 | Works perfectly |
| Kyocera | FS−5500 | Works perfectly |

| | | |
|---|---|---|
| Kyocera | FS−5800C | Works perfectly |
| Kyocera | FS−5900C | Works perfectly |
| Kyocera | FS−600 | Works perfectly |
| Kyocera | FS−600 (KPDL−2) | Works perfectly |
| Kyocera | FS−6500 | Works perfectly |
| Kyocera | FS−6500+ | Works perfectly |
| Kyocera | FS−6700 | Works perfectly |
| Kyocera | FS−680 | Works perfectly |
| Kyocera | FS−7000 | Works perfectly |
| Kyocera | FS−7000+ | Works perfectly |
| Kyocera | FS−800 | Works perfectly |
| Kyocera | FS−8000C | Works perfectly |
| Kyocera | FS−850 | Works perfectly |
| Kyocera | FS−9000 | Works perfectly |
| Kyocera | FS−9100DN | Works perfectly |
| Kyocera | FS−9500DN | Works perfectly |
| Kyocera | KM−1530 | Works mostly |
| Kyocera | KM−1810 | Works mostly |
| Kyocera | KM−2030 | Works mostly |
| Kyocera | KM−2530 | Works mostly |
| Kyocera | KM−3530 | Works mostly |
| Kyocera | KM−4230 | Works mostly |
| Kyocera | KM−4530 | Works mostly |
| Kyocera | KM−5230 | Works mostly |
| Kyocera | KM−5530 | Works mostly |
| Kyocera | KM−6230 | Works mostly |
| Kyocera | P−2000 | Works perfectly |
| Kyocera | P−2002 | |

| | | |
|---|---|---|
| | | Works perfectly |
| Lanier | 2132 PS | Works perfectly |
| Lanier | 2138 PS | Works perfectly |
| Lanier | 2145 PS | Works perfectly |
| Lanier | 5622 PS | Works perfectly |
| Lanier | 5627 PS | Works perfectly |
| Lanier | 5632 PS | Works perfectly |
| Lanier | 5635 PS | Works perfectly |
| Lanier | 5645 PS | Works perfectly |
| Lanier | LD0105 PS | Works perfectly |
| Lanier | LD015 PS | Works perfectly |
| Lanier | LD024c PS | Works perfectly |
| Lanier | LD032c PS | Works perfectly |
| Lanier | LD035 PS | Works perfectly |
| Lanier | LD045 PS | Works perfectly |
| Lanier | LD060 PS | Works perfectly |
| Lanier | LD075 PS | Works perfectly |
| Lanier | LD090 PS | Works perfectly |
| Lanier | LD115 PS | Works perfectly |
| Lanier | LD118 PS | Works perfectly |
| Lanier | LD118d PS | Works perfectly |
| Lanier | LD122 PS | Works perfectly |
| Lanier | LD124c PS | Works perfectly |

| | | |
|---|---|---|
| Lanier | LD127 PS | Works perfectly |
| Lanier | LD132 PS | Works perfectly |
| Lanier | LD132c PS | Works perfectly |
| Lanier | LD135 PS | Works perfectly |
| Lanier | LD145 PS | Works perfectly |
| Lanier | LD151 PS | Works perfectly |
| Lanier | LD160 PS | Works perfectly |
| Lanier | LD175 PS | Works perfectly |
| Lanier | LD228c PS | Works perfectly |
| Lanier | LD232c PS | Works perfectly |
| Lanier | LD238c PS | Works perfectly |
| Lanier | LD328c PS | Works perfectly |
| Lanier | LD335c PS | Works perfectly |
| Lanier | LD345c PS | Works perfectly |
| Lanier | LF510/515e PS | Works perfectly |
| Lanier | LP 020c PS | Works perfectly |
| Lanier | LP 036c PS | Works perfectly |
| Lanier | LP025/LP026 PS | Works perfectly |
| Lanier | LP025N/LP026N PS | Works perfectly |
| Lanier | LP031c PS | Works perfectly |
| Lanier | LP032 PS | Works perfectly |
| Lanier | LP116c PS | Works perfectly |
| Lanier | LP122c/LP121c PS | Works perfectly |

| | | |
|---|---|---|
| Lanier | LP125cx/LP126cn PS | Works perfectly |
| Lanier | LP127n/LP128n PS | Works perfectly |
| Lanier | LP128 PS | Works perfectly |
| Lanier | LP135n PS | Works perfectly |
| Lanier | LP138c PS | Works perfectly |
| Lanier | LP175/LP175hdn PS | Works perfectly |
| Lanier | LP235c PS | Works perfectly |
| LaserMaster | LM 1000 | None – Paperweight |
| Lexmark | 1000 | Works partially |
| Lexmark | 1020 | Works partially |
| Lexmark | 1020 Business | Works mostly |
| Lexmark | 1100 | Works partially |
| Lexmark | 2030 | Works partially |
| Lexmark | 2050 | Works partially |
| Lexmark | 2070 | Works partially |
| Lexmark | 3000 | Works mostly |
| Lexmark | 3200 | Works mostly |
| Lexmark | 4039 10plus | Works perfectly |
| Lexmark | 4076 | Works mostly |
| Lexmark | 5000 | Works partially |
| Lexmark | 5700 | Works partially |
| Lexmark | 7000 | Works partially |
| Lexmark | 7200 | Works partially |
| Lexmark | E210 | Works perfectly |
| Lexmark | Optra C710 | |

| | | |
|---|---|---|
| | | Works perfectly |
| Lexmark | Optra Color 1200 | Works perfectly |
| Lexmark | Optra Color 1275 | Works perfectly |
| Lexmark | Optra Color 40 | Works perfectly |
| Lexmark | Optra Color 45 | Works perfectly |
| Lexmark | Optra E | Works perfectly |
| Lexmark | Optra E+ | Works perfectly |
| Lexmark | Optra E310 | Works perfectly |
| Lexmark | Optra E312 | Works perfectly |
| Lexmark | Optra E321 | Works perfectly |
| Lexmark | Optra Ep | Works perfectly |
| Lexmark | Optra K 1220 | Works perfectly |
| Lexmark | Optra M410 | Works perfectly |
| Lexmark | Optra M412 | Works perfectly |
| Lexmark | Optra R+ | Works perfectly |
| Lexmark | Optra S 1250 | Works perfectly |
| Lexmark | Optra S 1855 | Works perfectly |
| Lexmark | Optra Se 3455 | Works perfectly |
| Lexmark | Optra T610 | Works perfectly |
| Lexmark | Optra T612 | Works perfectly |
| Lexmark | Optra T614 | Works perfectly |
| Lexmark | Optra T616 | Works perfectly |
| Lexmark | Optra W810 | Works perfectly |

| | | |
|---|---|---|
| Lexmark | Valuewriter 300 | Works perfectly |
| Lexmark | Winwriter 100 | None – Paperweight |
| Lexmark | Winwriter 150c | Works partially |
| Lexmark | Winwriter 200 | None – Paperweight |
| Lexmark | Winwriter 400 | Works partially |
| Lexmark | X125 | Works partially |
| Lexmark | X73 | Works partially |
| Lexmark | X74 | Works partially |
| Lexmark | X75 | Works partially |
| Lexmark | Z11 | Works partially |
| Lexmark | Z12 | Works partially |
| Lexmark | Z13 | None – Paperweight |
| Lexmark | Z22 | Works partially |
| Lexmark | Z23 | None – Paperweight |
| Lexmark | Z31 | Works mostly |
| Lexmark | Z32 | Works partially |
| Lexmark | Z33 | Works partially |
| Lexmark | Z42 | Works mostly |
| Lexmark | Z43 | Works partially |
| Lexmark | Z51 | Works partially |
| Lexmark | Z52 | Works perfectly |
| Lexmark | Z53 | Works perfectly |
| Lexmark | Z82 | Works partially |
| Minolta | Color PageWorks/Pro L | Works mostly |

| | | |
|---|---|---|
| Minolta | PagePro 1100 | Works perfectly |
| Minolta | PagePro 1100L | None – Paperweight |
| Minolta | PagePro 1200W | Works mostly |
| Minolta | PagePro 1250E | Works perfectly |
| Minolta | PagePro 1250W | Works mostly |
| Minolta | PagePro 1300W | Works mostly |
| Minolta | PagePro 1350W | Works mostly |
| Minolta | PagePro 6 | Works perfectly |
| Minolta | PagePro 6L | None – Paperweight |
| Minolta | PagePro 6e | Works perfectly |
| Minolta | PagePro 6ex | Works perfectly |
| Minolta | PagePro 8 | Works perfectly |
| Minolta | PagePro 8L | Works perfectly |
| Minolta | magicolor 2200 DL | Works mostly |
| Minolta | magicolor 2300 DL | Works mostly |
| Minolta | magicolor 2300W | Works mostly |
| Minolta | magicolor 2430 DL | Works mostly |
| Minolta | magicolor 3100 | Works mostly |
| Mitsubishi | CP50 Color Printer | Works perfectly |
| NEC | MultiWriter | Works perfectly |
| NEC | P2X | Works perfectly |
| NEC | PC−PR1000 | Works perfectly |
| NEC | PC−PR150 | Works perfectly |
| NEC | PC−PR2000 | Works perfectly |
| NEC | PC−PR201 | Works perfectly |
| NEC | PICTY180 | Works perfectly |
| NEC | PinWriter P6 | Works perfectly |

| | | |
|---|---|---|
| NEC | PinWriter P6 plus | Works perfectly |
| NEC | PinWriter P60 | Works perfectly |
| NEC | PinWriter P7 | Works perfectly |
| NEC | PinWriter P7 plus | Works perfectly |
| NEC | PinWriter P70 | Works perfectly |
| NEC | Pinwriter P20 | Works perfectly |
| NEC | SilentWriter LC 890 | Works perfectly |
| NEC | Silentwriter 95f | Works perfectly |
| NEC | Silentwriter2 S60P | Works perfectly |
| NEC | Silentwriter2 model 290 | Works perfectly |
| NEC | SuperScript 100C | Works partially |
| NEC | SuperScript 1260 | Works partially |
| NEC | SuperScript 150C | Works partially |
| NEC | SuperScript 1800 | Works perfectly |
| NEC | SuperScript 4600N | Works perfectly |
| NEC | SuperScript 610plus | None – Paperweight |
| NEC | SuperScript 650C | Works partially |
| NEC | SuperScript 660 | None – Paperweight |
| NEC | SuperScript 660i | Works perfectly |
| NEC | SuperScript 660plus | None – Paperweight |
| NEC | SuperScript 750C | Works partially |
| NEC | SuperScript 860 | Works partially |
| NEC | SuperScript 870 | Works partially |

| | | |
|---|---|---|
| NRG | 10515/10518/10512 PS | Works perfectly |
| NRG | 2205/2238/2212 PS | Works perfectly |
| NRG | 2705/2738/2712 PS | Works perfectly |
| NRG | 3205/3238/3212 PS | Works perfectly |
| NRG | 3525/3508/3502 PS | Works perfectly |
| NRG | 3545/3518/3532 PS | Works perfectly |
| NRG | 4525/4508/4502 PS | Works perfectly |
| NRG | 4545/4518/4532 PS | Works perfectly |
| NRG | 6002/6005/6008 PS | Works perfectly |
| NRG | 7502/7505/7508 PS | Works perfectly |
| NRG | 9005/9008/9002 PS | Works perfectly |
| NRG | C7010 PS | Works perfectly |
| NRG | C7116 PS | Works perfectly |
| NRG | C7416 PS | Works perfectly |
| NRG | C7425dn PS | Works perfectly |
| NRG | C7425hdn PS | Works perfectly |
| NRG | C7435n PS | Works perfectly |
| NRG | CC7417 PS | Works perfectly |
| NRG | DSc224 PS | Works perfectly |
| NRG | DSc232 PS | Works perfectly |
| NRG | DSc328 PS | Works perfectly |
| NRG | DSc332 PS | Works perfectly |
| NRG | DSc338 PS | Works perfectly |

| | | |
|---|---|---|
| NRG | DSc38 PS | Works perfectly |
| NRG | DSc38u PS | Works perfectly |
| NRG | DSc424 PS | Works perfectly |
| NRG | DSc428 PS | Works perfectly |
| NRG | DSc432 PS | Works perfectly |
| NRG | DSc435 PS | Works perfectly |
| NRG | DSc445 PS | Works perfectly |
| NRG | DSm415 PS | Works perfectly |
| NRG | DSm615 PS | Works perfectly |
| NRG | DSm618 PS | Works perfectly |
| NRG | DSm618d PS | Works perfectly |
| NRG | DSm622 PS | Works perfectly |
| NRG | DSm627 PS | Works perfectly |
| NRG | DSm632 PS | Works perfectly |
| NRG | DSm635 PS | Works perfectly |
| NRG | DSm645 PS | Works perfectly |
| NRG | DSm651 PS | Works perfectly |
| NRG | DSm660 PS | Works perfectly |
| NRG | DSm675 PS | Works perfectly |
| NRG | P7026 PS | Works perfectly |
| NRG | P7026N PS | Works perfectly |
| NRG | P7032 PS | Works perfectly |
| NRG | P7126 PS | Works perfectly |

| | | |
|---|---|---|
| NRG | P7126N PS | Works perfectly |
| NRG | P7132N PS | Works perfectly |
| NRG | P7145 PS | Works perfectly |
| NRG | P7325 PS | Works perfectly |
| NRG | P7325N PS | Works perfectly |
| NRG | P7431cn PS | Works perfectly |
| NRG | P7527 PS | Works perfectly |
| NRG | P7527n PS | Works perfectly |
| NRG | P7535n PS | Works perfectly |
| NRG | P7575 PS | Works perfectly |
| Oce | 3145 | Works perfectly |
| Oce | 3155 | Works perfectly |
| Oce | 3165 | Works perfectly |
| Oce | 8445 | Works perfectly |
| Oce | 8465 | Works perfectly |
| Oce | 9050 | Works perfectly |
| Oce | PPC3073 | Works perfectly |
| Oce | PPC3074 | Works perfectly |
| Oce | PPC3093 | Works perfectly |
| Oce | PPC3094 | Works perfectly |
| Oce | PPC3113 | Works perfectly |
| Oce | PPC3114 | Works perfectly |
| Oce | PPC5115 | Works perfectly |

| | | |
|---|---|---|
| Oce | PPC5160 | Works perfectly |
| Oce | VarioPrint 2045 | Works perfectly |
| Oce | VarioPrint 2050 | Works perfectly |
| Oce | VarioPrint 2055 | Works perfectly |
| Oce | VarioPrint 2060 | Works perfectly |
| Oce | VarioPrint 2065 | Works perfectly |
| Oce | VarioPrint 2070 | Works perfectly |
| Oce | VarioPrint 2090 | Works perfectly |
| Oce | VarioPrint 2100 | Works perfectly |
| Oce | VarioPrint 2105 | Works perfectly |
| Oce | VarioPrint 2110 | Works perfectly |
| Okidata | DP 5000 | Works perfectly |
| Okidata | ML 320 | Works perfectly |
| Okidata | ML 321 | Works perfectly |
| Okidata | ML 380 | Works perfectly |
| Okidata | Microline 182 | Works mostly |
| Okidata | Microline 192+ | Works partially |
| Okidata | Microline 600CL | Works perfectly |
| Okidata | Microline 620CL | Works perfectly |
| Okidata | Microline IBM compatible 9 pin | Works perfectly |
| Okidata | OL400 | Works perfectly |
| Okidata | OL400e | Works perfectly |
| Okidata | OL400ex | Works perfectly |
| Okidata | OL400w | Works mostly |

| | | |
|---|---|---|
| Okidata | OL410e | Works mostly |
| Okidata | OL600e | Works perfectly |
| Okidata | OL610e/PS | Works perfectly |
| Okidata | OL610e/S | Works mostly |
| Okidata | OL800 | Works perfectly |
| Okidata | OL810e/PS | Works perfectly |
| Okidata | OL810ex | Works perfectly |
| Okidata | OL820 | Works partially |
| Okidata | OL830Plus | Works perfectly |
| Okidata | Okijet 2010 | None – Paperweight |
| Okidata | Okijet 2500 | Works mostly |
| Okidata | Okipage 10e | Works perfectly |
| Okidata | Okipage 10ex | Works perfectly |
| Okidata | Okipage 12i | Works perfectly |
| Okidata | Okipage 14ex | Works perfectly |
| Okidata | Okipage 20DXn | Works perfectly |
| Okidata | Okipage 4w | Works mostly |
| Okidata | Okipage 4w+ | Works mostly |
| Okidata | Okipage 6e | Works perfectly |
| Okidata | Okipage 6ex | Works perfectly |
| Okidata | Okipage 6w | Works mostly |
| Okidata | Okipage 8c | Works perfectly |
| Okidata | Okipage 8p | Works perfectly |
| Okidata | Okipage 8w | Works mostly |
| Okidata | Okipage 8w Lite | Works mostly |
| Okidata | Okipage 8z | Works mostly |
| Okidata | Super 6e | Works mostly |
| Olivetti | JP350S | |

| | | |
|---|---|---|
| | | Works perfectly |
| Olivetti | JP450 | Works partially |
| Olivetti | JP470 | Works perfectly |
| Olivetti | PG 306 | Works perfectly |
| Olympus | P−300E | Works mostly |
| Olympus | P−300NE | Works mostly |
| Olympus | P−300U | Works mostly |
| Olympus | P−400 | Works mostly |
| PCPI | 1030 | Works perfectly |
| Panasonic | KX−P1123 | Works perfectly |
| Panasonic | KX−P1124 | Works perfectly |
| Panasonic | KX−P1150 | Works perfectly |
| Panasonic | KX−P1180i | Works partially |
| Panasonic | KX−P1624 | Works partially |
| Panasonic | KX−P2023 | Works perfectly |
| Panasonic | KX−P2123 | Works mostly |
| Panasonic | KX−P2135 | Works perfectly |
| Panasonic | KX−P2150 | Works perfectly |
| Panasonic | KX−P4410 | Works perfectly |
| Panasonic | KX−P4450 | Works perfectly |
| Panasonic | KX−P5400 | Works perfectly |
| Panasonic | KX−P6100 | None − Paperweight |
| Panasonic | KX−P6150 | Works mostly |
| Panasonic | KX−P6300 GDI | None − Paperweight |
| Panasonic | KX−P6500 | Works partially |
| Panasonic | KX−P8410 | |

| | | |
|---|---|---|
| | | None – Paperweight |
| Panasonic | KX–P8420 | Works perfectly |
| Panasonic | KX–P8475 | Works perfectly |
| Panasonic | KX–PS600 | Works partially |
| Panasonic | KX–Pxxxx 24–pin | Works partially |
| Pentax | PocketJet 200 | Works perfectly |
| Pentax | PocketJet II | Works perfectly |
| Printrex | 820 DL | Works partially |
| QMS | 2425 Turbo EX | Works perfectly |
| QMS | LPK–100 | Works perfectly |
| QMS | magicolor 2 | None – Paperweight |
| QMS | magicolor 2+ | Works perfectly |
| QMS | ps–810 | Works mostly |
| Raven | LP–410 | Works mostly |
| Ricoh | 4081 | Works perfectly |
| Ricoh | 4801 | Works perfectly |
| Ricoh | 6000 | Works perfectly |
| Ricoh | Aficio 1022 PS | Works perfectly |
| Ricoh | Aficio 1027 PS | Works perfectly |
| Ricoh | Aficio 1032 PS | Works perfectly |
| Ricoh | Aficio 1035 PS | Works perfectly |
| Ricoh | Aficio 1045 PS | Works perfectly |
| Ricoh | Aficio 1060 PS | Works perfectly |
| Ricoh | Aficio 1075 PS | Works perfectly |

| | | |
|---|---|---|
| Ricoh | Aficio 1224C PS | Works perfectly |
| Ricoh | Aficio 1232C PS | Works perfectly |
| Ricoh | Aficio 1515 PS | Works perfectly |
| Ricoh | Aficio 2015 PS | Works perfectly |
| Ricoh | Aficio 2018 PS | Works perfectly |
| Ricoh | Aficio 2018D PS | Works perfectly |
| Ricoh | Aficio 2022 PS | Works perfectly |
| Ricoh | Aficio 2027 PS | Works perfectly |
| Ricoh | Aficio 2032 PS | Works perfectly |
| Ricoh | Aficio 2035 PS | Works perfectly |
| Ricoh | Aficio 2035e PS | Works perfectly |
| Ricoh | Aficio 2045 PS | Works perfectly |
| Ricoh | Aficio 2045e PS | Works perfectly |
| Ricoh | Aficio 2051 PS | Works perfectly |
| Ricoh | Aficio 2060 PS | Works perfectly |
| Ricoh | Aficio 2075 PS | Works perfectly |
| Ricoh | Aficio 2090 PS | Works perfectly |
| Ricoh | Aficio 2105 PS | Works perfectly |
| Ricoh | Aficio 220 | Works perfectly |
| Ricoh | Aficio 2228C PS | Works perfectly |
| Ricoh | Aficio 2232C PS | Works perfectly |
| Ricoh | Aficio 2238C PS | Works perfectly |
| Ricoh | Aficio 3224C PS | Works perfectly |

| | | |
|---|---|---|
| Ricoh | Aficio 3228C PS | Works perfectly |
| Ricoh | Aficio 3232C PS | Works perfectly |
| Ricoh | Aficio 3235C PS | Works perfectly |
| Ricoh | Aficio 3245C PS | Works perfectly |
| Ricoh | Aficio 401 | Works mostly |
| Ricoh | Aficio 700 | Works perfectly |
| Ricoh | Aficio AP2000 | Works perfectly |
| Ricoh | Aficio AP2600 PS | Works perfectly |
| Ricoh | Aficio AP2600N PS | Works perfectly |
| Ricoh | Aficio AP2610 PS | Works perfectly |
| Ricoh | Aficio AP2610N PS | Works perfectly |
| Ricoh | Aficio AP3200 PS | Works perfectly |
| Ricoh | Aficio AP3800C PS | Works perfectly |
| Ricoh | Aficio AP400 PS | Works perfectly |
| Ricoh | Aficio AP400N PS | Works perfectly |
| Ricoh | Aficio AP410 PS | Works perfectly |
| Ricoh | Aficio AP410N PS | Works perfectly |
| Ricoh | Aficio AP4510 PS | Works perfectly |
| Ricoh | Aficio AP600N PS | Works perfectly |
| Ricoh | Aficio AP610N PS | Works perfectly |
| Ricoh | Aficio AP900 PS | Works perfectly |
| Ricoh | Aficio CL1000N PS | Works perfectly |
| Ricoh | Aficio CL2000 PS | Works perfectly |
| Ricoh | Aficio CL3000 PS | |

| | | |
|---|---|---|
| | | Works perfectly |
| Ricoh | Aficio CL3000e PS | Works perfectly |
| Ricoh | Aficio CL3100 PS | Works perfectly |
| Ricoh | Aficio CL4000DN PS | Works perfectly |
| Ricoh | Aficio CL4000HDN PS | Works perfectly |
| Ricoh | Aficio CL5000 PS | Works perfectly |
| Ricoh | Aficio CL7000 PS | Works perfectly |
| Ricoh | Aficio CL7100 PS | Works perfectly |
| Ricoh | Aficio Color 2206 | None – Paperweight |
| Ricoh | Afico FX10 | None – Paperweight |
| Ricoh | ColorLaser AP828 PS | Works perfectly |
| Ricoh | FAX5510L/5510NF PS | Works perfectly |
| Ricoh | LASER AP2600 PS | Works perfectly |
| Ricoh | LASER AP2600N PS | Works perfectly |
| Ricoh | LASER AP2610 PS | Works perfectly |
| Ricoh | LASER AP2610N PS | Works perfectly |
| Ricoh | RPDL I Laser Printer | Works perfectly |
| Ricoh | RPDL II Laser Printer | Works perfectly |
| Ricoh | RPDL III Laser Printer | Works perfectly |
| Ricoh | RPDL IV Laser Printer | Works perfectly |
| Samsung | CLP−500 | None – Paperweight |
| Samsung | ML−1000 | Works perfectly |
| Samsung | ML−1010 | Works perfectly |

| | | |
|---|---|---|
| Samsung | ML−1020 | Works perfectly |
| Samsung | ML−1200 | Works perfectly |
| Samsung | ML−1210 | Works perfectly |
| Samsung | ML−1220 | Works perfectly |
| Samsung | ML−1250 | Works perfectly |
| Samsung | ML−1410 | Works perfectly |
| Samsung | ML−1430 | Works perfectly |
| Samsung | ML−1440 | Works perfectly |
| Samsung | ML−1450 | Works perfectly |
| Samsung | ML−1450PS | Works perfectly |
| Samsung | ML−1510 | Works perfectly |
| Samsung | ML−1650 | Works perfectly |
| Samsung | ML−1651N | Works perfectly |
| Samsung | ML−1710 | Works perfectly |
| Samsung | ML−1750 | Works perfectly |
| Samsung | ML−200 | Works perfectly |
| Samsung | ML−210 | Works perfectly |
| Samsung | ML−2150 | Works perfectly |
| Samsung | ML−2150PS | Works perfectly |
| Samsung | ML−2151N | Works perfectly |
| Samsung | ML−2151NPS | Works perfectly |
| Samsung | ML−2152W | Works perfectly |
| Samsung | ML−2152WPS | Works perfectly |

| | | |
|---|---|---|
| Samsung | ML−2550 | Works perfectly |
| Samsung | ML−2551N | Works perfectly |
| Samsung | ML−2552W | Works perfectly |
| Samsung | ML−4500 | Works perfectly |
| Samsung | ML−4600 | Works perfectly |
| Samsung | ML−5000a | Works perfectly |
| Samsung | ML−5050G | None − Paperweight |
| Samsung | ML−5080 | Works perfectly |
| Samsung | ML−6000/6100 | Works perfectly |
| Samsung | ML−6040 | Works perfectly |
| Samsung | ML−7000/7000P/7000N | Works perfectly |
| Samsung | ML−7050 | Works perfectly |
| Samsung | ML−7300 | Works perfectly |
| Samsung | ML−7300N | Works perfectly |
| Samsung | ML−85 | Works perfectly |
| Samsung | ML−85G | Works mostly |
| Samsung | QL−5100A | Works perfectly |
| Samsung | QL−6050 | Works perfectly |
| Samsung | QL−85G | Works mostly |
| Samsung | SF/MSYS/MJ−4700/4800/4500C | None − Paperweight |
| Samsung | SI−630A | Works perfectly |
| Savin | 2522 PS | Works perfectly |
| Savin | 2527 PS | Works perfectly |
| Savin | 2532 PS | Works perfectly |

| | | |
|---|---|---|
| Savin | 2535/2235 PS | Works perfectly |
| Savin | 2545/2245 PS | Works perfectly |
| Savin | 2560 PS | Works perfectly |
| Savin | 2575 PS | Works perfectly |
| Savin | 3515 PS | Works perfectly |
| Savin | 40105 PS | Works perfectly |
| Savin | 4015 PS | Works perfectly |
| Savin | 4018 PS | Works perfectly |
| Savin | 4018d PS | Works perfectly |
| Savin | 4022 PS | Works perfectly |
| Savin | 4027 PS | Works perfectly |
| Savin | 4035/4135g PS | Works perfectly |
| Savin | 4035e/4135eG PS | Works perfectly |
| Savin | 4045/4145g PS | Works perfectly |
| Savin | 4045e/4145eG PS | Works perfectly |
| Savin | 4051 PS | Works perfectly |
| Savin | 4060 PS | Works perfectly |
| Savin | 4075 PS | Works perfectly |
| Savin | 4090 PS | Works perfectly |
| Savin | C2408 PS | Works perfectly |
| Savin | C2410 PS | Works perfectly |
| Savin | C2524 PS | Works perfectly |
| Savin | C2532 PS | Works perfectly |

| | | |
|---|---|---|
| Savin | C2820 PS | Works perfectly |
| Savin | C2824 PS | Works perfectly |
| Savin | C3210 PS | Works perfectly |
| Savin | C3210e PS | Works perfectly |
| Savin | C3224 PS | Works perfectly |
| Savin | C3528 PS | Works perfectly |
| Savin | C3828 PS | Works perfectly |
| Savin | C4535 PS | Works perfectly |
| Savin | CLP1036 PS | Works perfectly |
| Savin | CLP1620 PS | Works perfectly |
| Savin | CLP17 PS | Works perfectly |
| Savin | CLP18 PS | Works perfectly |
| Savin | CLP26DN PS | Works perfectly |
| Savin | CLP28 PS | Works perfectly |
| Savin | CLP35 PS | Works perfectly |
| Savin | CLP831 PS | Works perfectly |
| Savin | FAX3799/3799nf PS | Works perfectly |
| Savin | MLP25 PS | Works perfectly |
| Savin | MLP25n PS | Works perfectly |
| Savin | MLP26 PS | Works perfectly |
| Savin | MLP26n PS | Works perfectly |
| Savin | MLP28 PS | Works perfectly |
| Savin | MLP28n PS | Works perfectly |

| | | |
|---|---|---|
| Savin | MLP32 PS | Works perfectly |
| Savin | MLP35n PS | Works perfectly |
| Savin | MLP45 PS | Works perfectly |
| Savin | MLP75n PS | Works perfectly |
| Savin | SLP26 PS | Works perfectly |
| Savin | SLP26n PS | Works perfectly |
| Savin | SLP32 PS | Works perfectly |
| Savin | SLP38c PS | Works perfectly |
| Seiko | SLP | Works mostly |
| Seiko | SLP 120 | Works mostly |
| Seiko | SLP 220 | Works mostly |
| Seiko | SLP EZ30 | Works mostly |
| Seiko | SLP Plus | Works mostly |
| Seiko | SLP Pro | Works mostly |
| Seiko | SLP−100 | Works mostly |
| Seiko | SLP−200 | Works mostly |
| Seiko | SLP−240 | Works mostly |
| Seiko | SpeedJET 200 | Works perfectly |
| Sharp | AJ−1800 | Works mostly |
| Sharp | AJ−1805 | Works mostly |
| Sharp | AJ−2000 | Works mostly |
| Sharp | AJ−2005 | Works mostly |
| Sharp | AJ−2100 | None − Paperweight |
| Sharp | AR−161 | Works perfectly |
| Sony | IJP−V100 | Works mostly |
| Star | JJ−100 | Works perfectly |
| Star | LC 90 | Works mostly |
| Star | LC24−100 | Works perfectly |
| Star | LC24−200 | Works mostly |
| Star | LS−04 | Works perfectly |

| | | |
|---|---|---|
| Star | LaserPrinter 8 | Works mostly |
| Star | NL−10 | Works perfectly |
| Star | NX−1001 | Works mostly |
| Star | StarJet 48 | Works mostly |
| Star | WinType 4000 | None − Paperweight |
| Tally | MT908 | Works perfectly |
| Tektronix | 3693d color printer, 8−bit mode | Works perfectly |
| Tektronix | 4693d color printer, 2−bit mode | Works perfectly |
| Tektronix | 4693d color printer, 4−bit mode | Works perfectly |
| Tektronix | 4695 | Works perfectly |
| Tektronix | 4696 | Works perfectly |
| Tektronix | 4697 | Works perfectly |
| Tektronix | Phaser 350 | Works mostly |
| Tektronix | Phaser 780 | Works perfectly |
| Tektronix | Phaser 850 | Works perfectly |
| Tektronix | Phaser IISX | Works perfectly |
| Tektronix | Phaser PX | Works perfectly |
| Xerox | 2700 XES | Works perfectly |
| Xerox | 3700 XES | Works perfectly |
| Xerox | 4045 XES | Works perfectly |
| Xerox | Able 1406 | Works mostly |
| Xerox | DocuPrint 4508 | Works perfectly |
| Xerox | DocuPrint C11 | Works partially |
| Xerox | DocuPrint C20 | Works perfectly |
| Xerox | DocuPrint C55 | Works perfectly |

| | | |
|---|---|---|
| Xerox | DocuPrint C6 | Works mostly |
| Xerox | DocuPrint C8 | Works partially |
| Xerox | DocuPrint M750 | Works mostly |
| Xerox | DocuPrint M760 | Works mostly |
| Xerox | DocuPrint N17 | Works perfectly |
| Xerox | DocuPrint N32 | Works perfectly |
| Xerox | DocuPrint N4512 | Works perfectly |
| Xerox | DocuPrint N4512PS | Works perfectly |
| Xerox | DocuPrint P12 | Works mostly |
| Xerox | DocuPrint P1202 | Works mostly |
| Xerox | DocuPrint P8 | None – Paperweight |
| Xerox | DocuPrint P8e | Works mostly |
| Xerox | DocuPrint XJ6C | Works partially |
| Xerox | DocuPrint XJ8C | Works partially |
| Xerox | Document Centre 400 | Works perfectly |
| Xerox | Document Homecentre | Works partially |
| Xerox | WorkCentre 385 | None – Paperweight |
| Xerox | WorkCentre 450cp | Works partially |
| Xerox | WorkCentre 470cx | Works partially |
| Xerox | WorkCentre XD120f | None – Paperweight |
| Xerox | WorkCentre XE80 | None – Paperweight |
| Xerox | WorkCentre XE90fx | None – Paperweight |
| Xerox | WorkCentre XK35c | Works partially |

*The following is old information and will be removed in a future revision of this document:*

- HP LaserJet 4 series – free–lj4, printing modes control program here
- BiTronics parallel port interface here

- Epson Stylus Color 850. Use Magicfilter with either of the filters 'stylus800−filter', 'stylus_color_360dpi−filter' or 'stylus_color_720dpi−filter'.

# 23.1. Ghostscript

Many Linux programs output PostScript files. Non−PostScript printers can emulate PostScript Level 2 using Ghostscript.

- Ghostscript here

## 23.1.1. Ghostscript 5.1 supported printers

- Apple Imagewriter
- Apple Dot Matrix printer
- Apple StyleWriter 2x00 (*bjc600*)
- Brother HL−660 (*ljet4*)
- C. Itoh M8510
- Canon BubbleJet BJ10e, BJ20 (*bj10e*)
- Canon BubbleJet BJ100, BJ200, BJC−210 (B/W only), BJC−240 (B/W only), BJC−250 (B/W only), BJC−70 (B/W only) (*bj200*)
- Canon BubbleJet BJC−600, BJC−610, BJC−4000, BJC−4100 (B/W only), BJC−4200, BJC−4300, BJC−4400, BJC−4550, BJC−210, BJC−450, MultiPASS C2500, BJC−240, BJC−70 (*bjc600*)
- Canon BubbleJet BJC−800, BJC−7000 (*bjc800*)
- Canon Bubblejet BJC−610 (*uniprint*)
- Canon LBP−8II, LIPS III
- DEC LA50/70/75/75plus
- DEC LN03, LJ250 (*decl250*)
- Epson 9 pin, 24 pin, LQ series, AP3250
- Epson Stylus Color/Color II/400/500/600/800 (*stcolor*)
- Epson Stylus Color/Color II/500/600/800/1520 (*uniprint*)
- Fujitsu 3400,2400,1200
- HP 2563B
- HP DesignJet 650C
- HP DeskJet, Deskjet Plus (*deskjet*)
- HP Deskjet 500, Deskjet Portable (*djet500*)
- HP Deskjet 500C (*cdeskjet*)
- HP Deskjet 550C (*uniprint*)
- HP DeskJet 400/500C/520C/540C/690C/693C (*cdj500*)
- HP DeskJet 550C/560C/600/660C/660Cse/682C/683C/693C/694C/695C/850/870Cse (*cdj550*)
- HP DeskJet 850/855/870Cse/870Cxi/890C/672C/680/1100C (*cdj850*)
- HP DeskJet 500C/510/520/5540C/693C printing black only (*cdjmono*)
- HP DeskJet 600 (*lj4dith*)
- HP DeskJet 600/870Cse, LaserJet 5/5L/6L (*ljet4*)
- HP Deskjet 600/1200C/1600C (*pjxl300*)
- HP Deskjet 500/500C/510/520/540/550C/560C/850C/855C and other PCL3 printers here
- HP Deskjet 710, 720, 820 and 1000 series here
- HP Paintjet (*pjtest*)
- HP Paintjet XL (*pjxltest*)
- HP PaintJet XL300 (*pjxl300*)
- HP LaserJet/Plus/II/III/4/5/6

- IBM 3853 Jetprinter color
- IBM Proprinter
- Imagen ImPress
- Lexmark Optra E+ (*ljet4*)
- Mitsubishi CP50 color
- NEC P6/P6+/P60
- NEC Pinwriter P2X (*uniprint*)
- NEC SuperScript 860 (*ljetplus*)
- Oki OL410ex LED (*ljet4*)
- Okidata MicroLine 182
- Ricoh 4081/6000 (*r4081*)
- SPARCprinter
- StarJet 48 inkjet printer
- Tektronix 4693d color 2/4/8 bit
- Tektronix 4695/4696 inkjet plotter
- Xerox XES printers (2700, 3700, 4045, etc.)

### 23.1.2. Alpha, Beta drivers

- Epson Stylus Color 440

# 24. Scanners

For scanner support there is the package SANE (Scanner Access Now Easy). Information can be found at here. It can be downloaded from here. This is a universal scanner interface. It comes complete with documentation and several frontends and backends.

More information on handheld scanners can be found at here

Many scanners also have their own, scanner specific, software packages which include drivers.

## 24.1. Supported

- A4 Tech AC 4096 / AS 8000P (*a4scan*) here
- Adara Image Star I ??? here ??? here
- Conrad Personal Scanner 64, P105 handheld scanners (*scan−driver*) here
- Epson GT−5500 (*SANE epson*)
- Epson GT−6000 here
- Escom Image Scanner 256 (*SANE umax*)
- Fujitsu SCSI−2 scanners contact Dr. G.W. Wettstein <greg%wind.UUCP@plains.nodak.edu>
- Genius ColorPage−SP2 ??? here ??? here
- Genius GS−B105G handheld scanner (*gs105*) here
- Genius GeniScan GS−4500, GS−4500A handheld scanners (*gs4500*) here
- HighScreen Greyscan 256 handheld scanner (BW only) (*gs4500*) here
- HP ScanJet II series SCSI here
- HP ScanJet IIc, IIcx, IIp, 3c, 4c, 4p, 5p, 5pse, plus here
- Linotype Hell Jade, Jade2 (*SANE umax*)
- Logitech Scanman+, Scanman 32, Scanman 256 handheld scanners (*logiscan*) here
- Microtek ScanMaker E3, E6, II, IIXE, III and 35t models ??? here ??? here E3 and E6 scanners are also supported by here
- Mustek M105 handheld scanner (*scan−driver*) here
- Mustek HT800 Turbo, Matador 105, Matador 256 handheld scanners (*scan−driver*) here
- Mustek Paragon 6000CX here
- Nikon Coolscan SCSI 35mm film scanner here
- Nikon AX−210 (*SANE umax*)
- Pearl 256 handheld scanner (*scan−driver*) here
- Polaroid DMC (*SANE dmc*)
- Vobis/Highscreen Scanboostar Premium (*SANE umax*)
- UMAX SCSI scanners here
- UMAX Vista S6, S6E, T630, Supervista S−12 (*SANE umax*)
- UMAX S−6E, S−6EG, S−12, S−12G (*SANE umax*)
- UMAX Astra 600S, 610S, 1200S, 1220S (*SANE umax*)
- UMAX UC 630, 840, 1200S, 1200SE (*SANE umax*)
- UMAX UG 80, 630 (*SANE umax*)
- UMAX PSD, Gemini D−16 (*SANE umax*)

*NOTE:* The Mustek drivers work only with GI1904 interface cards. Eric Chang eric.chang@chrysalis.org has created a patch to use them with IF960 interface cards.

## 24.2. Alpha, Beta drivers

- Abaton Scan 300/S (*SANE abaton*)
- Abaton Scan 300/GS (*SANE abaton*)
- Agfa Focus, Focus II (*SANE agfafocus*)
- Agfa Focus Color, Focus Color Plus (*SANE agfafocus*)
- Agfa Focus Lineart (*SANE agfafocus*)
- Agfa Arcus II (*SANE microtek*)
- Agfa StudioScan II, IIsi (*SANE microtek*)
- Agfa SnapScan 300, 310, 600 (*SANE snapscan*)
- Apple Scanner, OneScanner, ColorOneScanner (*SANE apple*)
- Artec/Ultima AT3, AT6, AT12 (*SANE artec*)
- Artec A6000C+ (*SANE artec*)
- Canon CanoScan 300, CanoScan 600, CanoScan 2700F (*SANE canon*)
- Genius Colorpage−Vivid+ Info can be found on here. The driver can also be found here.
- Genius GS−4000, ScanMate/32, ScanMate/GS handheld scanners (*gs4500*) here
- HP ScanJet IIc, IIp, IIcx, 3c, 4c, 3p, 4p, 5p, 6100c, 6200c (*SANE hp*)
- HP PhotoSmart PhotoScanner (*SANE hp*)
- Kodak DC210 (*SANE dc210*)
- Kodak DC20, DC25 (*SANE dc25*)
- Microtek Scanmaker E2, E3, E6, II, IIG, IIHR, IISP, III, 35t+, 600Z(S), 600G(S) (*SANE microtek*)
- Microtek ScanMaker E3plus, 330, 630, 636, X6 (*SANE microtek2*)
- Microtek Phantom 636 (*SANE microtek2*)
- Mustek MFC−600S, MFC−600CD, MFC−800S (*SANE mustek*)
- Mustek MFS−6000CX, MFS−6000SP, MFS−8000SP, MFS−1200SP, MFS−12000CX (*SANE mustek*)
- Mustek SE−6000SP, SE−12000SP (*SANE mustek*)
- Mustek HT105, M800 handheld scanners (*scan−driver*) here
- Nework Scanny MM100 Info can be found on here. The driver can also be found here.
- Nikon LS−20, LS−30, LS−1000 (*SANE Coolscan*)
- Plustek OpticPro 4830P, OpticPro 4831P, OpticPro 9630P/PL, OpticPro 600P, OpticPro FBIII, OpticPro FBIV (*SANE plustek*) The sane driver can be found at here
- Primax Colorado Direct 300, Colorado Direct 600/30bit, Storm Totalscan Info can be found on here. The driver can also be found here.
- Siemens S9036 (*SANE agfafocus*)
- Tamarack Artiscan 6000C, 8000C, 12000C (*SANE tamarack*)
- UMAX Vista−S8, UC−1260, Mirage IIse, PL−II (*SANE umax*)
- Vobis HighScan (*SANE microtek2*)
- Voelkner Personal Scanner 64 handheld scanner (*scan−driver*) here
- Vuego 310S (*SANE snapscan*)

## 24.3. Unsupported

- Acer scanners. Acer is not releasing any programming information.
- Escom 256 (Primax Lector Premier 256) handheld scanner
- Genius ScanMate/256, ScanMate/Color, EasyScan handheld scanners
- Mustek CG 8000 handheld scanner
- Primax Colorado Direct 9600, Colorado 1200p, Colorado USB 19200 Info can be found on here
- Trust Ami Scan handheld scanner

- UMAX parallel scanners

# 25. USB

USB is supported in all 2.4.x kernels, as well as 2.2.18 and higher. The kernel driver supports both the Universal Host Controller Interface (UHCI, used by Intel and Via motherboard chipsets) and the Open Host Controller Interface (OHCI, used by Compaq, Apple, SiS, OPTi, Lucent and ALi chipsets).

For more information, see linux−usb.org.

Below is a *very* incomplete list of USB hardware known to work with the Linux USB driver.

## 25.1. Digital Cameras

| Manufacturer | Model Name | Driver | Notes |
|---|---|---|---|
| Sony | DSC−F505V | usb−storage | Information from www.cybershotcentral.com/oses.asp?os=Linux |
| Sony | DSC−S70 | usb−storage | Information from www.cybershotcentral.com/oses.asp?os=Linux |
| Sony | DSC−S50 | usb−storage | Information from www.cybershotcentral.com/oses.asp?os=Linux |
| Sony | DSC−S30 | usb−storage | Information from www.cybershotcentral.com/oses.asp?os=Linux |
| Sony | DSC−P1 | usb−storage | Information from www.cybershotcentral.com/oses.asp?os=Linux |

## 25.2. Miscellaneous

| Manufacturer | Model Name | Description | Driver | Notes |
|---|---|---|---|---|
| SanDisk | ImageMate | CompactFlash reader | usb−storage | |
| Sony | MSAC−US1 | Memory Stick Standalone USB Adaptor | usb−storage | Information from www.cybershotcentral.com/oses.asp?os=Linux |

# 26. IEEE 1394 (FireWire/i.Link)

For information on using IEEE 1394, see linux1394.org.

# 27. PCMCIA/Cardbus cards

The following is quoted directly from SUPPORTED.CARDS distributed with David Hinds's PCMCIA package.

```
Linux PCMCIA Supported Device List

Last updated: 2004/10/27 05:22:16

The following cards are known to work in at least one actual system.
Other cards may also work -- if you can get a card to work that is not
on this list, please let me know.  This list is complete to the best
of my knowledge.

CardBus cards are listed towards the end of each section.  All 16-bit
PCMCIA drivers have names ending in "_cs".  CardBus drivers included
in the pcmcia-cs package have names ending in "_cb"; for the kernel
PCMCIA subsystem, the drivers for these cards are regular PCI drivers.
Beware that some cards have 16-bit and CardBus versions with similar
names, but completely different implementations.  If the CardBus
version is not specifically listed as supported here, then you should
not expect it to work.

Next to each driver, I've tried to indicate which system architectures
(x86,ppc,axp) are known to be supported.  This information is likely
to be incomplete, and additions/corrections would be very welcome.

-- David Hinds <dahinds@users.sourceforge.net>

Ethernet cards:

[3c589_cs driver] [x86,ppc]
3Com 3c589, 3c589B, 3c589C, 3c589D
3Com Megahertz 3CXE589D, 3CXE589EC, 3CCE589ET, 3CCE589EC
Farallon EtherWave, EtherMac
Hitachi HT-4840-13

[fmvj18x_cs driver] [x86,ppc]
Access/CARD Ethernet
CONTEC C-NET(PC)C
Eagle NE200 Ethernet
Eiger Labs EPX-10BT, EPX-ET 10BT, EPX-ET 10TZ
Fujitsu FMV-J181, FMV-J182, FMV-J182A
Fujitsu Towa LA501, FMV-1080, FM50N-183
Hitachi HT-4840-11 EtherCard
NextCom NC5310, NC5310B
RATOC REX-9822, REX-5588A/W, REX-4886, REX-R280
TDK LAC-CD02x, LAK-CD021, LAK-CD022A, LAK-CD021AX, LAK-CD021BX
TDK LAC-CF010 Compact Flash
```

```
[nmclan_cs driver] [x86,ppc]
New Media EthernetLAN
New Media LiveWire [ NOT the LiveWire+ ]
Portable Add-ons Ethernet+

[pcnet_cs driver] [x86,ppc,axp]
4Lan EP100 Ethernet
Accton EN2212, EN2216 EtherCard
Accton SOHO BASIC EN220
Actiontec FastNet PE200A
Addtron Ethernet
AIBrain EPCM-T
Allied Telesis CentreCOM CE6001, LA-PCM, LA-PCM V2
AmbiCom AMB8002, AMB8002T, AMB8010, AMB8610
AnyCom ECO Ethernet
Apollo RE450CT
Archtek Ethernet
Argosy EN210
Ark Sky-Link Express PA2100
Arowana RE 450 Ethernet
Asante FriendlyNet [ new cards seem to not work!! ]
AST 1082 Ethernet
Atelco ethernet
Belkin F5D5020
Billionton LNT-10TB, LNT-10TN, CFLA
Buffalo LPC2-CLT, LPC3-CLT, LPC-CF-CLT
CADMUS Micro LNT-10T2C
California Access LAN Adapter
CeLAN EPCMCIA
CNet CN30BC, CN40BC Ethernet
Compex/ReadyLINK Ethernet Combo
Compex LinkPort Ethernet
COMPU-SHACK BASEline Ethernet
Connectware LANdingGear Adapter
CONTEC C-NET(PC)C-10L
Corega Ether PCC-T, PCM-T, EtherII PCC-TD
CyQ've ELA-010 10baseT
Danpex EN-6200P2 Ethernet
Datatrek NetCard
Dayna Communications CommuniCard E
Digital DEPCM-AA, PCP78-AC Ethernet
Digital EtherWORKS Turbo Ethernet
D-Link DE-650, DE-660, DE-660CT, DE-660+
DynaLink L10C, L10BC Ethernet
EagleTec ET-LE10BT, ET-LE10BT2
Edimax Technology Ethernet Combo
EFA InfoExpress 205, 207 Combo
Eiger Labs EPX-ET10T2 Combo
ELECOM Laneed LD-CDWA,LD-CDX,LD-CDNIA,LD-CDY,LD-CDF,LD-CDL/T
EP-210 Ethernet
```

Epson Ethernet
EtherPRIME Ethernet
Explorer NE-10000 Ethernet
EZLink 4109 Ethernet
Fiberline FL-4680
Gateway 2000 Ethernet
Genius ME3000II Ethernet
Grey Cell Ethernet
GVC NIC-2000P Ethernet Combo
Hawking PN650TX
Hypertec HyperNet
IBM CreditCard Ethernet Adapter
IC-Card Ethernet
Infotel IN650ct Ethernet
IO DATA PCLA/T, PCLA/TE
iPort 10Mbps Ethernet
Katron PE-520 Ethernet
KingMax Technology EN10-T2 Ethernet
Kingston KNE-PCM/M, KNE-PC2, KNE-PC2T, KNE-PC2BT
Kingston CIO10T CF Ethernet
KTI PE-520 Plus
LANEED LD-CDW Ethernet
LanPro EP4000A
Lantech Ethernet
Level One EPC-0100TB
LinkPro TL-5200
Linksys EtherCard, EC2T Combo, NP10T
Logitec LPM-LN10T, LPM-LN10BA, LPM-LN20T Ethernet
Longshine ShineNet LCS-8534TB Ethernet
Macnica ME-1 Ethernet
Macsense MPC-10 Ethernet
Maxtech PCN2000 Ethernet
Melco LPC-TJ, LPC-TS, LPC-T, LPC2-T
Microdyne NE4200 Ethernet
Micronet SP122, SP125
Midori LANNER LT-PCMT
NDC Instant-Link
NEC PC-9801N-J12
Network General "Sniffer"
Network Everywhere NP10T
New Media LanSurfer
Novell/National NE4100 InfoMover
OvisLink Ethernet
Panasonic CF-VEL211P-B
Planet SmartCOM 2000, 3500, ENW-3501-T, ENW-3502-T
Planex ENW-3503-T
Pretec Ethernet, CompactLAN Ethernet
PreMax PE-200 Ethernet
Proteon Ethernet
Psion Gold Card Ethernet
Relia RE2408T Ethernet

```
Reliasys 2400A Ethernet
RPTI EP400, EP401, 1625B Ethernet
SCM Ethernet
Sky Link Express
Skymaster DPP216
SMC 8022 EZCard-10, 8040TX
Socket Communications EA LAN Adapter
Socket Communications LP-E Ethernet
Socket Communications LP-E CF+ Ethernet
SOHOware ND5120-E Ethernet
SuperSocket RE450T
Surecom Ethernet
SVEC PN605C
Target 24007 Ethernet
TDK LAK-CD031
Thomas-Conrad Ethernet
TRENDnet Ethernet
Trust Ethernet Combo
UNEX NexNIC MA010
Vegas Technology Ethernet
Volktek NPL-402CT Ethernet
W-LINX LinxPRO Ethernet
Xircom CompactCard CFE-10

[smc91c92_cs driver] [x86,ppc]
Farallon Enet
Megahertz XJ10BT, XJ10BC, CC10BT Ethernet
New Media BASICS Ethernet
Ositech Four of Diamonds
SMC 8020BT EtherEZ [ NOT the EliteCard! ]

[xirc2ps_cs driver] [x86,axp]
Compaq Ethernet Adapter
Xircom CreditCard CE2, CE IIps, RE-10

Fast Ethernet (10/100baseT) adapters:

[3c574_cs driver] [x86,ppc]
3Com 3c574TX
3Com Megahertz 3CCFE574BT, 3CXFE574BT, 3C3FE574BT
3Com Megahertz 3CCSH572BT, 3CXSH572BT

[axnet_cs driver]
Accton EN-2228
AmbiCom AMB8110
Billionton LNA-100B
Buffalo LPC3-CLX, LPC4-TX, LPC4-CLX
CNet CNF301
Corega FEther PCC-TXD, FEtherII PCC-TXD
Dynalink L100C16
EagleTec ET-LE100BT2
```

```
Edimax EP-4101
FEP501 Fast Ethernet
KingMax Fast Ethernet
Linksys NP100 Network Everywhere v2
Linksys PCMPC100 EtherFast v3
Melco LPC3-TX
New Media LiveWire 10/100
Planex FNW-3700-T
Repotec RP-1638
SinglePoint Fast Ethernet
Surecom EP-427X
Topcom Xplorer 2700
W-Linx FE1500

[pcnet_cs driver] [x86,ppc,axp]
Abocom LinkMate FE1000, FE1500
Allied Telesis CentreCOM LA100-PCM-T V2
Alloy FE-6305M
AnyCom ECO Ethernet 10/100
Apollo Fast Ethernet
Aprotech Fast Ethernet
Argosy EN-225
Ark Sky Link Express PA2600
Belkin F5D5020
COMPU-SHACK FASTline 10/100
Corega FastEther PCC-TX, FEther PCC-TXF
CyQ've ELA-110E 10/100
Digicom Palladio, Palladio Dongless
D-Link DFE-650, DFE-670-TXD, DRP-16TX
EXP ThinLan 100
Fiberline Fast Ethernet
Hamlet FE1000, FE1500 10/100
Hawking PN652TX
Highscreen Profinet
IO DATA PCET/TX
iPort 10/100 Ethernet
KTI KF-C16
Laneed LD-10/100CD
LevelOne FPC-0100TX
Linksys PCMPC100 EtherFast
Linksys PCM100H1 HomeLink 10/100
Linksys NP100 Network Everywhere
Logitec LPM-LN100TX
Melco LPC2-TX
Microcom TravelCard 10/100
Micronet EtherFast Adapter
Micronet SP162A
NetGear FA410TXC, FA411
Net-Lynx 10/100 Fast Ethernet
New Media LiveWire 10/100
Planex FNW-3600T, FNW-3600TX
```

```
Roline Fast Ethernet
Sitecom FastEthernet
SMC 8041TX
Socket CF+ 10/100
WiseCom iPort 10/100
ZONET Fast Ethernet

[smc91c92_cs driver] [x86,ppc]
Argosy EN220
dit Co., Ltd. PC Card-10/100BTX
Dynalink L100C
EXP ThinLan-110
Lantech FastNet/TX
Melco/SMC LPC-TX
Ositech Seven of Diamonds
Psion Gold Card NetGlobal 10/100
WiseCom WC-PC400

[xirc2ps_cs driver] [x86,axp]
[ not recommended: no active maintainer, some problems have
been reported, and fixes are not forthcoming ]
Accton Fast EtherCard-16
Compaq Netelligent 10/100
Intel EtherExpress PRO/100 Mobile Adapter 16-bit
Toshiba IPC5008A, Advanced Network 10/100
Xircom CreditCard CE3-100, CE3B, RE-100, R2E-100BTX, XE2000

[pcmcia-cs driver: 3c575_cb] [x86]
[2.4+ kernel driver: 3c59x]
3Com 3c575TX
3Com Megahertz 3CCFE575BT, 3CXFE575BT, 3CCFE575CT, 3CXFE575CT
3Com Megahertz 3C3FE575CT

[no pcmcia-cs driver]
[2.4+ kernel driver: 8139too]
D-Link 690TXD

[pcmcia-cs driver: eepro100_cb] [x86]
[2.4+ kernel driver: eepro100]
Fujitsu FMV-J185
Intel EtherExpress PRO/100 CardBus II

[pcmcia-cs driver: epic_cb] [x86]
[2.4+ kernel driver: epic100]
Ositech Seven of Spades CardBus

[pcmcia-cs driver: tulip_cb] [x86,ppc]
[2.4+ kernel driver: tulip]
Accton EN2220 CardBus
Allied Telesyn AT-2800
AmbiCom AMB8100, CB100-EZ EzPort
```

```
Apollo FE2000
Asante FriendlyNET CardBus
Billionton LND-100B
Compex Linkport TX
Corega FEther CB-TXL
D-Link DFE-660TX, DFE-680TX
Farallon EtherTX
Fujitsu FMV-J184
Genius MF3000
Gericom Fast Ethernet
Kingston KNE-CB4TX
Laneed LD-10/100CB
LevelOne FPC-0101TX, FPC-0103TX 10/100Mbps CardBus
Linksys PCMPC200 EtherFast CardBus
Macsense MPC-200
NDC Communications Sohoware NCB100
Neteasy DRP-32TXD
NetGear FA510C, FA511
OvisLink LFS PCM 32
PLANET ENW-3502-FC
PrimeXpress Fast Ethernet
RATOC REX-CB80
Siemens SpeedStream SS1012
Silicom Fast Ethernet
SMC 8036TX, EZ CardBus 10/100 Ethernet
SVEC FD606 10/100 Ethernet
TDK NetworkFlyer LAK-CB100X, LAK-CB100AX CardBus
TRENDnet TE100-PCBUSR
UMAX Technologies UMAX250
ZEUS CardBus 10/100 LAN
[2.4+ kernel driver: xircom_cb]
[ Not recommended: support is experimental and unreliable ]
IBM 10/100 EtherJet CardBus
Intel EtherExpress PRO/100 CardBus
Xircom CBE2-100BTX, RBE-100BTX, R2BE-100BTX

Token-ring adapters:

[ibmtr_cs driver] [x86]
3Com 3c389 TokenLink Velocity
3Com 3c689 TokenLink III
IBM Token Ring Adapter
IBM Token Ring 16/4 Credit Card Adapter
IBM Token Ring Auto 16/4 Credit Card Adapter
IBM Turbo 16/4 Token Ring PC Card

Wireless network adapters:

[airo_cs driver] [x86]
Aironet PC4500, PC4800
Cisco 340, 350
```

```
Xircom Wireless Ethernet Adapter

[netwave_cs driver] [x86]
Breezenet SA-PX
Xircom CreditCard Netwave

[ray_cs driver] [x86,axp]
BUSlink Wireless LAN Adapter
Raytheon Raylink
WebGear Aviator 2.4, Aviator Pro

[wavelan_cs driver] [x86,smp]
AT&T / NCR / Lucent WaveLAN version 2.0
DEC RoamAbout/DS

[orinoco_cs driver] [x86,axp,ppc,smp]
[ this driver supports multiple chipsets and some features may
not be supported for all cards ]
3Com AirConnect
1stWave 1ST-PC-DSS11IS, DSS11IG, DSS11ES, DSS11EG
Actiontec HWC01170-01/802C12
Adaptec ANW-8030
Addtron AWP-100
Airvast WN-100
Ambicom WL1100 PC
ARtem Onair ComCard STD & EMB versions, 128- & 64-bit
ASUS SpaceLink WL-100
Avaya World Card
Belkin F5D6020 [only Version 1]
Buffalo WLI-PCM-S11
Cabletron/Enterasys RoamAbout 802.11 DS
Compaq WL100, HNW-100
Conceptronic CON11Cpro
Corega PCCA-11, PCC-11
Dell TrueMobile 1150 Series
D-Link DRC-650, DCF-650W, DWL-660, DCF-660W
D-Link DWL-650 [older version, NOT new CardBus ones or 650+]
EagleTec ET-WL300NE-CC
Efficient SpeedStream SS1021 [old 16-bit, NOT new CardBus ones]
ELSA AirLancer MC-11
Ericsson WLAN Card C11
Farallon SkyLINE
HP F2136B
HyperLink Wireless
IBM High Rate Wireless LAN
Intel PRO/Wireless 2011
LA4111 Spectrum24 Wireless LAN
Linksys WPC11 Instant Wireless [ NOT the CardBus v4 card ]
Linksys WCF12 Wireless CompactFlash
Lucent Orinoco WaveLAN/IEEE 802.11(b)
Melco WLI-PCM-L11, WLI-PCM-L11G
```

```
Microsoft MN-520
NCR WaveLAN/IEEE 802.11
Netgear MA401RA
Nortel Networks eMobility
Planet WL-3550
PLANEX GeoWave GW-CF110, RoadLannerWave GW-NS11H
Proxim Harmony 802.11b
Safeway Wireless
Samsung 11Mbps WLAN
Sandisk Connect SDWCFB-000
Seg Communications XI325H
SMC2632W, SMC2532W-B
Sohoware NCP110 Netblaster II
Tekram AIR.mate PCF 200
ZCOMAX AirRunner/XI=300

Modem and serial cards:

[ Virtually all modem cards, simple serial port cards, and
digital cellular modems should work.  The only exceptions are
so-called "WinModems" that require special drivers.  ISDN
modems that emulate a standard UART are also supported.  Some
Winmodem drivers do exist (i.e., the ltmodem driver for Lucent
chipsets).  For more information about WinModems, drivers,
etc, see http://start.at/modem, http://www.linmodems.org, or
http://linmodems.technion.ac.il ]

[serial_cs driver] [x86,axp,ppc,smp]
Advantech COMpad-32/85 dual port, COMpad-32/85B-4 quad port
Anycom ECO II dual serial
Argosy dual serial
Black Box I114A RS-422/485
Brain Boxes 2-Port RS-232
Brain Boxes BL-500 Bluetooth Adapter
National Instruments PCMCIA-232, PCMCIA-232/2, PCMCIA-232/4
National Instruments PCMCIA-485, PCMCIA-485/2
Omega Engineering QSP-100
Quatech, IOTech dual RS-232 cards
Quatech quad RS-232 card, dual and quad RS-422 cards
Socket Communications dual RS-232 card
Trimble Mobile GPS

[pcmcia-cs driver: serial_cb] [x86]
[2.4+ kernel driver: serial]
Xircom RBM56G, CBM56G

[ The following cards are WinModems and are NOT supported by
  the serial drivers included in the PCMCIA package ]
3Com/Megahertz 3CXM356/3CCM356, 3CXM656/3CCM656
3Com/Megahertz XJ/CC2560, 3013, 3014
3Com/USRobotics 3014A, 3056, 3057
```

```
Abocom FM560CB
ActionTec CM560LH
Billionton 56K HSP
Com1 Platinum MC221 Discovery 56K
Compaq 192
IBM 10L7393, 10L7394
Lucent LT Winmodem
Motorola Montana
New Media WinSurfer
Paradise CW56K HSP
Xircom R2BM56W, R2BM56WB

Parallel port cards:

[parport_cs driver] [x86]
[requires a 2.2 or later kernel]
Quatech SPP-100
IOtech DBK35, WBK20A
Trans Digital Trans PC Card

Memory cards:

[ All SRAM cards should work.  Unsupported flash cards can be
read but not written. ]

[memory_cs driver] [x86,axp,ppc]
Intel Series 2, Series 2+, and Value Series 100 Flash
Maxtor MobileMax 16MB Flash
IBM 8MB Flash
TDK Flash Memory SFM20W/C 20MB

SCSI adapters:

[ Be careful.  Many vendors. particularly CD-ROM vendors, seem
to switch controller chips more or less at will.  Generally,
they'll use a different product code, but not always.  Older
New Media Bus Toaster cards use the aha152x_cs driver; medium
old ones use the sym53c500_cs driver; and new ones are not
supported at all. ]

[aha152x_cs driver] [x86]
Adaptec APA-1460, APA-1450A, APA-1460A/B/C/D SlimSCSI
Iomega Zip and Jaz Cards
New Media Bus Toaster SCSI [ older cards ]
New Media Toast 'n Jam [ SCSI only ]
Noteworthy Bus Toaster SCSI
Sony CD-ROM Discman PRD-250
Toshiba HandyCard SCSI

[fdomain_cs driver] [x86]
Future Domain SCSI2GO
```

```
IBM SCSI
Simple Technologies SCSI

[qlogic_cs driver] [x86]
Eiger Labs SCSI [ only cards w/FCC ID LXL... ]
Epson SC200
MACNICA mPS110, mPS110-LP SCSI
Melco IFC-SC2, IFC-DC
Midori CN-SC43
NEC PC-9801N-J03R
Qlogic FastSCSI
Panasonic KXL-D740, KXL-DN740A, KXL-DN740A-NB 4X CD-ROM
Panasonic KXL-D745, KXL-810AN, KXL-783A
Pioneer PCP-PR2W
Raven CD-Note 4X
RATOC REX-9530 SCSI-2
Toshiba NWB0107ABK, SCSC200A, SCSC200B
IO DATA PCSC-II, PCSC-II-L

[not sure which driver]
Digital SCSI II adapter
IO DATA CDG-PX44/PCSC CD-ROM
Logitec LPM-SCSI2
Logitec LCD-601 CD-ROM
Pioneer PCP-PR1W, PCP-PR2W CD-ROM
Taxan ICD-400PN

[pcmcia-cs driver: apa1480_cb] [x86,ppc,smp]
[2.4+ kernel driver: aic7xxx]
[ recommend 2.2 or later kernels.  With 2.4.19 or later
kernels, you must use the kernel PCMCIA subsystem and the hot
plug PCI aic7xxx driver ]
Adaptec SlimSCSI 1480 CardBus

IEEE 1394 (FireWire) cards:

[ These only work for a limited range of 2.2 and 2.4 kernel
versions, due to kernel driver API drift.  With 2.4.19 or
later kernels, use the hot plug PCI IEEE1394 drivers (and the
kernel PCMCIA subsystem) instead. ]

[pcmcia-cs driver: pcilynx_cb] [x86,ppc]
[2.4+ kernel driver: pcilynx]
Newer Technology FireWire 2 Go

[pcmcia-cs driver: ohci1394_cb] [x86,ppc]
[2.4+ kernel driver: ohci1394]
Belkin F5U512
Cherri IEEE-1394
Evergreen Technologies fireLINE CardBus Kit
Good Man VT6306
```

```
Margi 1394-to-Go Adapter
Orange Micro OrangeLink
Western Digital 1394 Adapter

Multifunction ethernet/modem cards:

[3c589_cs driver] [x86]
3Com 3c562, 3c562B/C/D, 3c563B/C/D
3Com Megahertz 3CCEM556, 3CXEM556, 3CCEM556B
Motorola Marquis

[3c574_cs driver] [x86,ppc]
3Com Megahertz 3CCFEM556B, 3C3FEM556C

[axnet_cs driver] [x86]
Psion 10/100 LANGLOBAL Combine iT

[fmvj18x_cs driver] [x86,ppc]
TDK Global Networker 3410/3412

[pcnet_cs driver] [x86,axp]
Accton EN2218, UE2218
ActionTec ComNet 33.6
AnyCom Fast Ethernet + 56K Combo
Asus combo card
Azia LM560
Billionton LM5LT-10B
Dayna Communicard
D-Link DME-336T, DMF-560TX, DMF-560TXD
Dynalink L1433 VQC 33.6K
Grey Cell GCS3400
GVC LAN modem
Hamlet LM560
IBM Home and Away
IBM Home and Away 28.8
IO DATA PCEM-336T
Linksys LANmodem 28.8 (PCMLM28), 33.6 (PCMLM336)
Linksys EtherFast LANmodem 56K (PCMLM56)
Net-Lynx LM560
New Media LANSurfer 10+56 Combo
PLANET ENW-3503
PREMAX LAN modem
Psion V.34 Gold Card
Rover ComboCard 33.6
SMC 8034TX-56K 10/100
Socket Communications ES-1000 (E-I/O) Ethernet/RS-232
TDK 3000/3400/5670
TDK DFL5610WS Fast Ethernet/Modem
Telecom Device SuperSocket LM336

[smc91c92_cs driver] [x86]
```

```
Gateway Telepath Combo
Megahertz/U.S. Robotics EM1144, EM3288, EM3336, XJEM3336
Motorola Mariner
Ositech Jack of Diamonds, Jack of Hearts
Psion Gold Card Netglobal 56K+10Mb

[xirc2ps_cs driver] [x86]
Compaq Microcom CPQ550 Modem + 10/100 LAN
Intel EtherExpress PRO/100 16-bit LAN/Modem
Xircom CreditCard CEM28, CEM33, CEM56, XEM5600
Xircom RealPort REM10BT, REM56G-100

[pcmcia-cs driver: 3c575_cb] [x86]
[2.4+ kernel driver: 3c59x]
[ ethernet only: the modem is a WinModem! ]
3Com 3CCFEM656B, 3CXFEM656C

[pcmcia-cs driver: eepro100_cb] [x86]
[2.4+ kernel driver: eepro100]
Intel EtherExpress PRO/100 CardBus LAN/Modem

[pcmcia-cs driver: epic_cb] [x86]
[2.4+ kernel driver: epic100]
Ositech Jack of Spades CardBus
Psion Gold Card Netglobal 56K+10/100Mb

[pcmcia-cs driver: tulip_cb] [x86,ppc]
[2.4+ kernel driver: xircom_cb]
[ ethernet only ]
Silicom FEM56 Fast Ethernet
[ Not recommended: support is experimental and unreliable ]
IBM EtherJet CardBus with 56K Modem
Xircom RBEM56G-100BTX, CBEM56G-100BTX, R2BEM56G-100

ATA/IDE card drives:

[ide-cs driver] [x86,ppc,smp]
Most cards should work fine, including adapters for external
IDE devices.  Both Flash-ATA cards and  rotating-media cards
are supported, including "Smartmedia" flash and Compact flash
cards.

The very old Western Digital 40MB drives are not supported,
because they do not conform to the PCMCIA ATA specification.

ATA/IDE Interface Cards:

[ide-cs driver] [x86,ppc,smp]
Apricorn ATA card, EZ-GIG transfer kit
Archos Zip100 MiniDrive
Argosy PnPIDE card, HD530 HardDisk
```

```
ATronics IDEal Porter
Microtech International XpressDock
DataStor Technology PCMCIA ATA/ATAPI Card
Creo DNBoy
GREYSTONE DD-25
IBM Portable Drive Bay [ only CD-ROM tested ]
Iomega Zip-250
MCE DataShuttle
Shining Technology CitiDISK 250PE, PMIDE-ASC
Shuttle Technology IDE/ATAPI adapter
Sicon Periperal Micro Mate
Sony MSAC-PC2 Memory Stick Adapter

ATA/IDE CD-ROM and DVD adapters:

[ide-cs driver] [x86,ppc,smp]
Archos 24x MiniCD
Argosy EIDE CD-ROM
Caravelle CD-36N
CNF CARDport CD-ROM [ 6/10/20/32X, but NOT 2X! ]
Creative Technology CD-ROM
Digital Mobile Media CD-ROM
EXP CD940 CD-ROM [ Some work, some do NOT! ]
EXP Traveler 620, 3220 CD-ROM
Freecom IQ Traveller CD-ROM
H45 Technologies Quick 2X CD-ROM
H45 Technologies QuickCD 16X
IBM Max 20X CD-ROM
IO DATA CDP-TX4/PCIDE, CDP-TX6/PCIDE, CDV-HDN6/PCIDE
IO DATA CDP-TX10/PCIDE, CDP-FX24/CBIDE, MOP-230/PCIDE
IO DATA HDP-1G/PCIDE, HDP-1.6G/PCIDE
MCD601p CD-ROM
Microtech International MicroCD
Microtech Mii Zip 100
NOVAC NV-CD410, DVD Powerstation
Panasonic KXL-807A, KXL-808A
Sony PCGA-CD5, PCGA-CD51, CRX50A CD-ROM
Sony CRX75A [ 16-bit mode only! ]
TEAC IDE Card/II
Toshiba PA2673UJ CD-ROM

The following cards have contributed drivers which are distributed as
separate packages.  The drivers are not included in the base PCMCIA
package for maintenance reasons: they are for less common cards and I
cannot test them.  Most are available on the Linux PCMCIA FTP site, at
http://pcmcia-cs.sourceforge.net/ftp/pub/pcmcia-cs/contrib; some have
their own web sites.

[asplus_cs driver]
Netwave AirSurfer Plus wireless network adapter
  http://ipoint.vlsi.uiuc.edu/wireless/asplus.html
```

```
  (Jay Moorman <jrmoorma@uiuc.edu>)

[brzcom_cs driver]
BreezeCOM BreezeNet SA-PCR Pro.11 Series wireless adapter
  http://www.breezecom.com, support@breezecom.com

[cs89x0_cs driver]
IBM EtherJet
  (Danilo Beuche <danili@cs.uni-magdeburg.de>)

[daqcard700_cs]
National Instruments DAQcard700
  ftp://fsmlabs.com/pub/rtlinux/
  (Steve Rosenbluth <stever8@charter.net>)

[das16s driver]
Computer Boards PCM-DAS16s/16 ADC
  ftp://fsmlabs.com/pub/rtlinux/
  (Steve Rosenbluth <stever8@charter.net>)

[elsa_cs driver]
Elsa MicroLink ISDN adapter
  (Klaus Lichtenwalder <Klaus.Lichtenwalder@WebForum.DE>)

[floppy_cs driver]
Y-E Data FlashBuster floppy drive adapter
  (David Bateman <dbateman@eng.uts.edu.au>)

[imperxcve_cs driver]
Imperx Video Capture Essentials
Imperx VCE-B5A01
  http://www.inhandelectronics.com/opensource.asp

[iscc_cs driver]
IBM Smart Capture
RATOC REX-9590
  (Koji Okamura <oka@ec.kyushu-u.ac.jp>)

[mpsuni_cs driver]
MPS ISLINEnote ISDN adapter
  (Detlef Glaschick <glaschick@mps-software.de>)

[nsp_cs driver]
IO Data PCSC-F SCSI adapter
IO Data CBSC-II in 16-bit mode
  http://www.workbit.co.jp/workbit/products/nscsi-3.html
  (Yokota Hiroshi <yokota@netlab.is.tsukuba.ac.jp>)

[pcdio48 driver]
Measurement Computing PC-DIO-CARD48
  http://sourceforge.net/projects/pcdio48-linux
```

```
  (Phillip Bruce <di77ihd@yahoo.com>)

[sedl_cs driver]
Sedlbauer Speed Star ISDN adapter
  (Marcus Niemann <niemann@www-bib.fh-bielefeld.de>)

[spectrum24_cs]
Symbol Technologies Spectrum24 2 Mbps wireless adapter
  (Lee Keyser-Allen <lkeyser@wpi.edu>)

[spectrum24t_cs]
3Com 3CRWE737A AirConnect
Intel PRO/Wireless
Symbol Technologies Spectrum24 11 Mbps wireless adapter
  (Tim Gardner <timg@tpi.com>)

[ss5136dn_cs driver]
SST 5136-DN-PC DeviceNet Interface
  http://www.spectra-one.com/dn5136man.html
  (Mark Sutton <marksu@spectra-one.com>)

[sym53c500_cs driver]
New Media Bus Toaster SCSI [ new version ]
New Media BASICS SCSI
SIMA TECH SCSI9000
  (Tim Corner <tcorner@via.at> or Bob Tracy <rct@frus.com>)

[teles_cs driver]
Teles ISDN adapter
  http://home.wtal.de/petig/ISDN/index.html
  (Christof Petig <ea0141@uni-wuppertal.de>)

[wavelan2_cs driver]
Lucent WaveLAN/IEEE wireless network adapter
  http://www.wavelan.com
  (Lucent Technologies <betasupport@wavelan.com>)

[xircce_cs driver]
Xircom CE-10BC Ethernet (maybe also CE-10BT)
  (Stanislav Meduna <stano@trillian.eunet.sk>)

The following drivers have their own web sites.  For more information
about wireless network adapters, see the Wireless-HOWTO at
http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/.

GemPlus GPR400 Smart Card Reader
  http://www.linuxnet.com/smartcard/code.html
  (Wolf Geldmacher <wgeldmacher@paus.ch>)

[ Ines GPIB IEEE-488 cards ]
  http://www.inesinc.com/linux/htm
```

```
[ Intersil PrismI wireless cards ]
Harris PRISM/AM79C930 IEEE 802.11 wireless LAN
Nokia/InTalk ST-500A
Nokia C020
Samsung MagicWave SWL-1000N
Zoom Telephonics ZoomAir 4000
  http://www.linux-wlan.com
  (Mark Mathews <mark@linux-wlan.com>)

[ Intersil PrismII wireless cards ]
Addtron AWP-100
Ambicom WL1100 PC
Compaq WL100
D-Link DWL-650 [older 16-bit ones, NOT the Cardbus ones]
Linksys WPC11 Instant Wireless
Samsung MagicLAN
SMC2632W
  http://www.magiclan.com
  http://www.linux-wlan.com

Proxim RangeLAN2 and Symphony wireless LAN cards
  http://www.komacke.com/distribution.html
  (Dave Koberstein <davek@komacke.com>)

Silicom SPE ethernet, SEM EtherModem, SES EtherSerial
  http://www.silicom.co.il/linux.htm

Winnov Videum Traveler camera
  http://www.eecs.umich.edu/~bnoble/group/wnv-pcmcia
  (Jim Zajkowski <jamesez@umich.edu>)

People are working on the following cards:

Roland SCP-55 MIDI (Toshiaki Nakatsu <risyu@zo-kun.to>)
CyberRom CD-ROM (David Rowntree <rowntree@dircon.co.uk>)
DAQCard-AI-16E-4 (Shao Zhang <shao@linuxfreak.com>,
  Cyrus Patel <cyrus@linuxfan.com>)
Quatech DAQP-308 (Michael Richards <michael@fastmail.ca>)
IO DATA PCSC-II (Katayama Nobuhiro <kata-n@po.iijnet.or.jp>)
Macnica mPS-1x0 (Katayama Nobuhiro <kata-n@po.iijnet.or.jp>)
Proxim RangeLAN/2 (Jim Duchek <jimducheck@primary.net>
  http://students.ou.edu/D/James.R.Duchek-1/rangelan2.html

The following cards are NOT supported.  This list is not meant to be
comprehensive: I list these cards because people frequently ask about
them.  In general, there are no technical reasons why a card is not
supported: simply put, as far as I know, no one is working on these
cards, therefore, drivers will not be written.  Most cards on this
list have been there for a very long time, so please do not send me
email just to ask if their status has changed.
```

```
Adaptec/Trantor APA-460 SlimSCSI
Eiger Labs SCSI w/FCC ID K36...
New Media .WAVjammer and all other sound cards
New Media LiveWire+
Nikon CoolPix100
Panasonic KXL-D720
RATOC SMA01U SmartMedia Adapter
SMC 8016 EliteCard
Xircom CEM II Ethernet/Modem
Xircom CE-10BT Ethernet [ but try xircce_cs contrib driver ]
Xircom CBE-10/100 CardBus

The following vendors have assisted in the development of the Linux
PCMCIA driver package by contributing hardware and/or technical
documentation about their products.  It could be inferred that since
these vendors support Linux development and have provided technical
help, that their cards are likely to be better supported under Linux.

3Com/Megahertz  [ ethernet and multifunction cards ]
Adaptec [ SCSI adapter cards ]
Intel [ linear flash memory cards ]
Linksys [ ethernet and multifunction cards ]
Ositech [ ethernet/modem combo cards ]
Sandisk [ ATA/IDE flash cards ]
Quatech [ parallel port, data acquisition cards ]
Xircom [ ethernet and multifunction cards ]
```

---

# 28. Other hardware

## 28.1. Amateur Radio

The following cards etc. are supported:

- KISS based Terminal Node Controllers
- Ottawa PI card
- Gracilis PacketTwin card
- Other Z8530 SCC based cards
- Parallel and serial port Baycom modems
- Soundblaster cards
- Soundcards based on the Crystal chipset

## 28.2. VESA Power Savings Protocol (DPMS) monitors

Support for power savings is included in the Linux kernel. Use `setterm` to enable support in the Linux console, and `xset` to enable support under X.

## 28.3. Touch screens

The Metro−X X−server is supporting the following touch screen controllers:

- Carrol Touch serial touch screen  here
- EloGraphics
- Lucas Deeco
- MicroTouch

## 28.4. Terminals on serial port

Old terminals can easily be used under Linux by connecting them to the serial port of your system. At least the following terminals will be supported:

- VT52
- VT100
- VT220
- VT320
- VT420

## 28.5. Joysticks

Joysticks are now supported as input devices in the new Linux console project. For a list of supported hardware, see the Linux Input Drivers Supported hardware list (alternate site here).

*The following is outdated. Please see the link above for up−to−date information.*

Joystick support is in recent XFree86 distributions (3.3.x and higher) and in kernel versions 2.1.x and higher. For older kernels the links below are useful.

- Joystick driver For information check here. An FTP archive can be found at here.

Currently supported joysticks are:

- Amiga joysticks on Amiga
- CH Flightstick Pro compatibles with additional two hats and two buttons
- DirectPad Pro parallel port joystick interfaces ( here)
- FP Gaming Assasin 3D ( here)
- Gamepads with 6 and 8 buttons
- Genius Flight2000 Digital F−23 ( here)
- Gravis Blackhawk Digital ( here)
- Gravis GamePad Pro ( here)
- Gravis Xterminator GamePad ( here)
- Logitech CyberMan 2 ( here)
- Logitech ThunderPad Digital
- Logitech WingMan Extreme Digital ( here)
- MadCatz Panther ( here)
- MadCatz Panther XL ( here)
- Microsoft SideWinder 3D Pro ( here)
- Microsoft SideWinder Force Feedback Pro ( here)
- Microsoft SideWinder GamePad ( here)
- Microsoft SideWinder Precision Pro ( here)
- Multisystem joysticks (Atari, Amiga, Commodore, Amstrad)
- Multisystem joysticks using 0.8.0.2 hw interface
- Nintendo Entertainment System (and clone − SVI, Pegasus ...) gamepads
- PDPI Lightning L4 gamecard ( here)
- Sega Genesis (MegaDrive) gamepads
- Sega Master System gamepads
- Sega Saturn gamepads
- SNESKey parallel port joystick interfaces
- Sony PlayStation gamepads
- Standard joysticks with 2, 3 or 4 axes, and up to 4 buttons
- Super Nintendo Entertainment System gamepads
- ThrustMaster FCS compatibles with additional hat
- ThrustMaster Millenium 3D Inceptor ( here)
- ThrustMaster Rage 3D ( here)
- TurboGraFX parallel port joystick interface ( here)

## 28.6. Video devices (capture boards, frame grabbers, TV tuners, etc.)

These devices are all supported by the Video for Linux (v4l)/Video for Linux Two (V4L2) subsystem. For more information, see the Video for Linux resources page.

Bt848/849/878/879−based TV tuner cards are supported by the bttv driver. For a full list of cards supported by this driver, see Documentation/video4linux/bttv/Cards in the Linux kernel source tree.

saa7130/34−based capture/TV boards are supported by the saa7134 driver. Cards supported by this driver include the following:

- Proteus Pro (Philips reference design)
- LifeView FlyVIDEO3000
- LifeView FlyVIDEO2000
- EMPRESS
- SKNet Monster TV
- Tevion MD 9717
- KNC One TV−Station RDS
- Terratec Cinergy 400 TV
- Medion 5044
- Kworld/KuroutoShikou SAA7130−TVPCI
- Terratec Cinergy 600 TV

The Logitech (formerly Connectix) Color QuickCam is supported by the c−qcam driver. See Documentation/video4linux/CQcam.txt in the Linux kernel source or the Logitech QuickCam color and Linux mini−HOWTO for more information.

The cpia driver supports many parallel and USB webcams, including the following:

- Aiptek HyperVcam Fun USB (*Note: some use the OV511, which is not supported*)
- Creative Video Blaster WebCam II (parallel or USB)
- Digicom Galileo USB
- Dynalink Digital Camera (USB)
- Ezonics EZCam (USB − *Note: not Pro or Plus*)
- Intel Play QX3 Microscope (USB)
- Microtek EyeStar (USB)
- Pace Colour Video Camera (USB)
- SuperCam WonderEye (USB)
- TCE Netcam 310 USB
- Terracam USB (*Note: not Pro*)
- Trust SpaceC@m Lite (USB)
- Utobia USB Camera
- ZoomCam (parallel or USB)
- CVideo−Mail Express (parallel)
- CU−SeeMe Cam Kit (parallel)
- Digicom Galileo Plus (parallel)

For more information, see the CPiA webcam driver for Linux site.

*The following information is likely to be out of date.*

All cards with Bt848/Bt848a/Bt849/Bt878/Bt879 and normal Composite/S−VHS inputs are supported. Teletext and Intercast support (PAL only) via VBI samples decoding in software.

- Adlink 7200 Digital I/O device  here
- Adlink 7300A Digital I/O device  here
- CMOS Video Conferencing Kit. The video capture card has a Bt849 chipset. It comes with a CCD camera.
- Data Translation DT2803

- Data Translation DT2851 Frame Grabber here
- Data Translation DT3155 here
- Diamond DTV2000 (based on Bt848)
- Dipix XPG1000/FPG/PPMAPA (based on TI C40 DSP). Most add−on cards are supported. here or here. The driver can be found at here
- Epix SVM
- Epix Silicon Video MUX series of video frame grabbing boards here
- FAST Screen Machine II here
- Hauppage Wincast TV PCI (based on Bt848) here
- Imaging Technology ITI/IC−PCI here
- ImageNation Cortex I here
- ImageNation CX100 here
- ImageNation PX500 here
- ImageNation PXC200 here
- Imaging Technology Inc. IC−PCI frame grabber board here
- Matrix Vision MV−Delta here
- Matrox Meteor here
- Matrox PIP−1024 here
- MaxiTV/PCI (based on ZR36120) here
- Miro PCTV (based on Bt848) here
- MuTech MV1000 PCI here
- MuTech MV200 here
- Philips PCA10TV (not in production anymore) here
- Pinnacle PCTV (based on Bt848)
- Pro Movie Studio here
- Quanta WinVision B&W video capture card here
- Quickcam here
- Nomadic Technologies Sensus 700 here for common information. Alas, Nomadic Technologies has removed the page about the Sensus 700.
- Smart Video Recoder III (based on Bt848) here
- STB TV PCI Television Tuner (based on Bt848) here
- Tekram C210 (based on ZR36120) here
- Video Blaster, Rombo Media Pro+ here
- VT1500 TV cards here

## 28.7. Digital Camera

Currently there are five programs which can be used in combination with digital cameras.

- Camediaplay ( here) You can download it from here
- Photopc ( here) It can be downloaded from here
- Qvplay ( here) It can be downloaded from here
- JCAM, a Java application which allows digital camera owners to access and download pictures from a wide variety of popular digital cameras ( here) It can be downloaded from here
- gPhoto ( here) It can be downloaded from here

Photopc can be extended with a graphical Tk frontend. This can be found at here. Also Qvplay cab be extended with a graphical Tk frontend, which can be found at here

### 28.7.1. Supported

- Agfa ePhoto line of cameras (*photopc, camediaplay, JCAM*)
- Apple QuickTake 200 (*JCAM*)
- Casio QV10, QV−10A, QV−11, QV−30, QV−70, QV−100, QV−200, QV−300, QV−700, QV−770 (*qvplay*) here
- Casio QV−10A, QV−11, QV−30, QV−70, QV−100, QV−300, QV−700, QV−770 (*JCAM*)
- Chinon ES−1000 (same hardware, protocol and image format as Kodak DC20) (*JCAM*) here
- Epson "Colorio Photo" CP−100 (PhotoPC) (*photopc, camediaplay*) here
- Epson "Colorio Photo" CP−200 (PhotoPC 500) (*photopc, camediaplay, JCAM*) here
- Epson "Colorio Photo" CP−200 (PhotoPC 550) (*JCAM*)
- Epson "Colorio Photo" CP−500 (PhotoPC 600) (*photopc, camediaplay, JCAM*) here
- Epson "Colorio Photo" CP−500 (PhotoPC 700) (*JCAM*)
- Epson PhotoPC 550 (photopc, camediaplay) here
- Fuji DS−7, DX−5 (DS−10), DX−7 (DS−20), DX−9 (DS−30), DS−300, MX−700 (*JCAM*)
- HP Photo Smart Digital Camera (Some people say it is supported, others say it isn't !!??)
- Kodak DC−20, DC−25, DC−200/210 (*JCAM*) here
- Olympus C−300L, C−320L, C−420L, C−800L, C−840L, C−1000L, C−1400L (*JCAM*) here
- Olympus "Camedia" C−400L (D−200L) (*photopc, camediaplay, JCAM*) here
- Olympus "Camedia" C−820L (D−320L) (*photopc, camediaplay, JCAM*) here
- Olympus C2000Z (*photocd*)
- Sanyo VPC−G200/G200EX (*photopc, camediaplay*) here
- Sanyo DSC−V1 (VPC−G200E) (*photopc, camediaplay*) here
- Sanyo DSC−X1 (VPC−X300) (*JCAM*)
- Sanyo DSC−X300 (*photopc, camediaplay*) here
- Nikon Coolpix 600/900 (Coolpix 600 untested) (*photopc*) here and here
- Sierra Imaging SD640 (*photopc*) here
- Toshiba PDR−2 (not sure: *photopc*) here

---

### 28.7.2. Unsupported

- Casio QV−120, QV−5000SX, QV−7000SX
- Kodak DC40, DC50, DC120

---

## 28.8. UPS

Various other UPS's are supported, read the UPS HOWTO or see the Network UPS Tools site (specifically their compatibility list).

- APC SmartUPS here
- APC−BackUPS 400/600, APC−SmartUPS SU700/1400RM here
- Fenton PowerPal here for downloads and manuals. Web site information can be found at here
- Fenton Tele−UPS here for downloads and manuals. Web site information can be found at here
- Fenton PowerOn here for downloads and manuals. Web site information can be found at here
- UPS's with RS−232 monitoring port (genpower package) here
- MGE UPS's here and here
- A daemon to shut down and up computers connected to ups's. It's network aware and allows server− and client−mode here

---

## 28.9. Multifunction boards

- Pro Audio Spectrum 16 SCSI / Sound interface card

## 28.10. Data acquisition

The Linux Lab Project site collects drivers for hardware dealing with data acquisition, they also maintain some mailing lists dealing with the subject. I have no experience with data acquisition so please check the site for more details.

- Linux Lab Project here

- CED 1401
- DBCC CAMAC
- IEEE−488 (GPIB, HPIB) boards
- Keithley DAS−1200
- National Instruments AT−MIO−16F / Lab−PC+

- Analog Devices RTI−800/815 ADC/DAC board contact Paul Gortmaker < gpg109@anu.edu.au >

## 28.11. Watchdog timer interfaces

- Berkshire Products PC Watchdog Card (ISA cards rev. A and C) Check here for the PC Watchdog program. A driver is included in recent kernels. More information on this product can be found at here
- ICS WDT500−P here
- ICS WDT501−P (with and without fan tachometer) here
- Outsource Engineering & Manufacturing Inc. Basic Watchdog Timer Board (ISA) Information can be found at here. Drivers currently running on 2.0.29, 2.0.33 and 2.0.36 kernels

## 28.12. Miscellaneous

- Mattel Powerglove
- AIMS Labs RadioTrack FM radio card here
- Reveal FM Radio card here
- Videotext cards here

# 29. Appendix A. Supported Parallel Port devices

More and more, the parallel port is used to connect other devices than printers. To support this parallel port drivers are written for the devicesto work. This appendix presents devices for which parallel port support is written.

To be clear: printers are not presented in this appendix as they are not supported by parallel port support projects.

Also, check the Linux Parallel Port support pages for more information  here. Here you can find

- paride subsystem for parallel port IDE devices ( here)
- support for parallel port SCSI devices ( here)

## 29.1. Ethernet

- Accton EtherPocket adapter
- AT−Lan−Tec/RealTek parallel port ethernet adapter
- D−Link DE600/DE620 parallel port ethernet adapter

## 29.2. Hard drives

- H45 Quick HD
- KingByte IDE/ATAPI disks
- KT Technologies PHd portable hard disk
- MicroSolutions backpack hard−drives
- SyQuest EZ−135
- SyQuest EZ−230
- SyQuest SparQ
- ValueStor external hard−drive

## 29.3. Tape drives

- Hewlett−Packard Colorado Tracker 250 tape drive (all except the T1000e)
- Hewlett−Packard HP Colorado 5GB tape drive
- Iomega Ditto tape drive
- MicroSolutions backpack 8000t, 8000td tape drives

## 29.4. CD−ROM drives

- Freecom Power CD
- Freecom Traveller CD−ROM
- H45 Quick CD
- Hewlett−Packard HP 7100e/7200e CD−R
- KingByte IDE/ATAPI CD−ROMs
- MicroSolutions backpack CD−ROM. Models 163550 and later are supported by the paride driver. For models 160550 and 162550 seperate drivers are availavble.

- MicroSolutions backpack PD/CD drive
- SyQuest SyJet

## 29.5. Removable drives

- Avatar Shark 250
- Imation Superdisk
- Iomega ZIP, ZIP Plus drives

## 29.6. IDE Adapter

- Arista ParaDrive products
- DataStor Commuter disks
- Fidelity International Technologies TransDisk products
- Freecom IQ Cable Parallel
- Shuttle Technology EPAT/EPEZ parallel port IDE adapter
- Shuttle Technology EPIA parallel port IDE adapter

## 29.7. SCSI Adapters

- Adaptec APA−348 mini−SCSI plus adapter cable Driver available at here
- Adaptec APA−358 mini−SCSI EPP adapter cable Driver available at here
- Shuttle Technology EPSA−2 parallel port SCSI adapter Driver available at here
- Shuttle Technology EPST parallel port SCSI adapter Driver available at here

## 29.8. Digital Camera

- Connectix QuickCam

## 29.9. PCMCIA parallel port cards

The parport_cs driver requires kernel 2.2.x or later

- Quatech SPP−100
- IOtech DBK35, WBK20A

# 30. Appendix B. Linux incompatible Hardware

Some hardware manufacturers have created devices which are compatible with MS−DOS and Windows 95/98 only. They seem to emulate part of the normally available hardware in the devices by software packages sold together with the device. Specification on these devices are not presented to the world so it is almost impossible to write drivers for these devices. Below a list of devices reported as being Linux incompatible will be given.

Simply put, it is best to avoid hardware which states things like "Needs Windows" or "Windows only".

- Printers

| Manufacturer | Model Number | Functionality |
|---|---|---|
| Brother | 4550 | None – Paperweight |
| Brother | HL−1435 | None – Paperweight |
| Brother | MP−21C | None – Paperweight |
| Canon | BJC−5000 | None – Paperweight |
| Canon | BJC−5100 | None – Paperweight |
| Canon | BJC−8500 | None – Paperweight |
| Canon | LBP−460 | None – Paperweight |
| Canon | LBP−600 | None – Paperweight |
| Canon | LBP−660 | None – Paperweight |
| Canon | LBP−800 | None – Paperweight |
| Canon | Multipass L6000 | None – Paperweight |
| Canon | S200 | None – Paperweight |
| Compaq | IJ300 | None – Paperweight |
| Epson | AcuLaser C1000 | None – Paperweight |
| Epson | AcuLaser C900 | None – Paperweight |
| Epson | EPL−5500W | None – Paperweight |
| Epson | PM 930C | |

| | | |
|---|---|---|
| | | None – Paperweight |
| Generic | GDI Printer | None – Paperweight |
| HP | Color LaserJet 1500 | Unknown |
| HP | LaserJet 3100 | None – Paperweight |
| HP | LaserJet 3150 | None – Paperweight |
| HP | PhotoSmart | None – Paperweight |
| LaserMaster | LM 1000 | None – Paperweight |
| Lexmark | Winwriter 100 | None – Paperweight |
| Lexmark | Winwriter 200 | None – Paperweight |
| Lexmark | Z13 | None – Paperweight |
| Lexmark | Z23 | None – Paperweight |
| Minolta | PagePro 1100L | None – Paperweight |
| Minolta | PagePro 6L | None – Paperweight |
| NEC | SuperScript 610plus | None – Paperweight |
| NEC | SuperScript 660 | None – Paperweight |
| NEC | SuperScript 660plus | None – Paperweight |
| Okidata | Okijet 2010 | None – Paperweight |
| Panasonic | KX–P6100 | None – Paperweight |
| Panasonic | KX–P6300 GDI | None – Paperweight |
| Panasonic | KX–P8410 | None – Paperweight |
| QMS | magicolor 2 | None – Paperweight |
| Ricoh | Aficio Color 2206 | None – Paperweight |
| Ricoh | Afico FX10 | None – Paperweight |
| Samsung | CLP–500 | |

| | | |
|---|---|---|
| | | None – Paperweight |
| Samsung | ML–5050G | None – Paperweight |
| Samsung | SF/MSYS/MJ–4700/4800/4500C | None – Paperweight |
| Sharp | AJ–2100 | None – Paperweight |
| Star | WinType 4000 | None – Paperweight |
| Xerox | DocuPrint P8 | None – Paperweight |
| Xerox | WorkCentre 385 | None – Paperweight |
| Xerox | WorkCentre XD120f | None – Paperweight |
| Xerox | WorkCentre XE80 | None – Paperweight |
| Xerox | WorkCentre XE90fx | None – Paperweight |

*The following is old information and will be removed in a future version of this document:*

- ♦ Canon LBP–465 printer
- ♦ Sharp JX–9210 printer

• Modems

- ♦ 3Com 3CXM356/3CCM356 and 3CXM656/3CCM656 PCMCIA
- ♦ AOpen FM56–P and FM56–H
- ♦ Boca Research 28.8 internal modem (model MV34AI)
- ♦ Boca Research 33.6 internal modem (model MV34)(Joe Harjung has succeeded in configuring the modem under Win95 and then soft booting into Linux with the modem still working. Filippo is using this modem under Linux directly without any problems and without soft booting from Windows. I definitely need more info on these Boca Research modems.) The Boca Research 33.6 modem (model M336I) is mentioned to work with Linux. The only thing that needed to be done was diabling Plug and Play. Here are the specs of the modem

  - ◊ Three stickers saying "MC2920A–3.3", "E6030D 4035–01" and "1721 8011 A"
  - ◊ Chips etc on the board

    - · Cirrus Logic CL–MD3450D–SC–B
    - · Cirrus Logic MD1724–11VC–D
    - · Datatronic VLM301–1??
    - · Omron G5V–1 (2 of them)
    - · AST (?) M628032–20E1
    - · Cirrus Logic CL–MD4450C–SC–A
    - · Abracon 23–040–20
    - · two empty places for additional chips, one of which might be a Cirrus Logic CL–MD1724D

- ◊ 4 jumpers for COM port selection
- ◊ 10 jumpers for IRQ selection
- ◊ other unknown jumpers

- ♦ Compaq 192 PCMCIA modem/serial card
- ♦ HP Fastmodem D4810B
- ♦ Multiwave Innovation CommWave V.34 modem
- ♦ Megahertz XJ/CC2560 PCMCIA
- ♦ New Media Winsurfer PCMCIA modem/serial card
- ♦ Rockwell SoftK56
- ♦ US Robotics WinModem series
- ♦ Zoltrix 33.6 Win HSP Voice/Speaker Phone modem

---

# 31. Glossary

AGP
: Accelerated Graphics Port. A bus interconnect mechanism designed to improve performance of 3D graphics applications. AGP is a dedicated bus from the graphics subsystem to the core−logic chipset. here

ATAPI
: AT Attachment Packet Interface. A new protocol for controlling mass storage devices similar to SCSI protocols. It builds on the ATA (AT Attachment) interface, the official ANSI Standard name for the IDE interface developed for hard disk drives. ATAPI is commonly used for hard disks, CD−ROM drives, tape drives, and other devices.

ATM
: Asynchronous Transfer Mode

CDDA
: Compact Disk Digital Audio. Capability of CD−ROM/Writer to read out audio tracks.

DMA
: Direct Memory Access

EGA
: Enhanced Graphics Adapter

EIDE
: Enhanced IDE

EISA
: Extended Industry System Architecture

FDDI
: Fiber Distributed Data Interface. High−speed ring local area network.

IDE
: Integrated Drive Electronics. Each drive has a built−in controller.

ISA
: Industry System Architecture

ISDN
: Integrated Services Digital Network

MCA
: MicroChannel Architecture

MFM
: Modified Frequency Modulation

MMX
: Multimedia Extensions. Extra instructions meant to speed multimedia.

PCI
: Pheripheral Component Interconnect. 32−bit bus designed by Intel. Information can be found here.

RAID
: Redudant Arrays of Inexpensive Disks. The basic idea of RAID is to combine multiple small, inexpensive disk drives into an array of disk drives which yields performance exceeding that of a single large expensive drive. There are five types of redundant array Architectures; RAID−1 through RAID−5. A non−redudant array of disk drives is referred to as RAID−0. Some RAID systems can mix formats. (more info)

PPA
: Printing Performance Architecture. Protocol developed by Hewlett Packard for their series of Deskjet printers. In essence, the protocol moves the low−level processing of the data to the host computer rather than the printer. This allows for a low−cost printer with a small amount of memory and computing power and a flexible driver. However, this comes at the price of compatibility. HP's

decision was to develop drivers only for Windows 95 for this printer.

RLL
: Run Length Limited

SATA
: Serial ATA. Basically IDE over a much smaller cable. See SerialATA.Org for more information.

SCSI
: Small Computer Systems Interface. A standerd interface defined for all devices in a computer. It make it possible to use a single adapter for all devices. (more info)

SVGA
: Super Video Graphics Adapter

UART
: Universal Asynchronous Receiver Transmitter

USB
: Universal Serial Bus.

VGA
: Video Graphics Adapter

VLB
: VESA Local Bus. Used in some 486 PC's.

WORM
: Write Once Read Many