# Solaris™ 2.4
# x86 Hardware Compatibility List
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# *Solaris 2.4 x86 Hardware Compatibility List*

This document provides information about general x86 hardware requirements, supported peripherals, and system platforms that have been tested on the Solaris™ 2.4 computing environment.

The hardware platforms and peripherals appearing in this document have been tested by the SunSoft Platform Certification Lab for compatibility with the Solaris 2.4 x86 operating environment. System platforms listed in this document have been tested in configurations that are actually shipped by the hardware manufacturers.

Some systems appearing in this list require device drivers available in a Driver Update release, while others may include devices that are not yet supported by the Solaris 2.4 x86 software. Since it is the nature of this industry to have unexpected and unannounced changes, SunSoft is committed to working with those customers who encounter difficulties installing the Solaris software on certified systems.

## *How This Book Is Organized*

This document is divided into the following three major sections:

**"General Requirements"** lists the x86 hardware requirements for installing the Solaris 2.4 operating environment.

**"System Platforms"** lists the platforms that have been tested on Solaris 2.4; not all of the peripherals listed in the "Supported Devices" section have been tested in all combinations on all of these platforms. This is *not* intended to be an exhaustive list of x86 machines that can run Solaris 2.4; it is simply a list of machines that have been tested with Solaris 2.4 at the time this document was updated.

**"Supported Devices"** lists the supported peripherals, including those supported in Driver Updates.

Specific machines and classes of devices are shown in these tables in this document.


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| *Notebook Display Video Support* | *page 31* |
| *Notebooks With External Monitor Video Support* | *page 31* |


## *How to Obtain This Document*

This document is updated periodically and available from the following sources:

- The Internet
  - ASCII version—Send electronic mail to `x86hcl@Sun.COM`
  - PostScript™ version—Send electronic mail to `x86hcl.ps@Sun.COM`
- The WWW (`http://access1.Sun.COM`)—Click "SunSoft's Support Resolutions Answer Center," select "Solaris," and then select "x86 Hardware Compatibility List."
- FTP Server—Use anonymous FTP to access `ftp.uu.net`, then go to `/vendor/sun/sun-doc/x-86-driver/2.4`
- CompuServe—Type '**`go sunsoft`**' and go to the Solaris x86 library.
- ASK-IT—SunSoft's Automated Support Fax-on-Demand Service
  - In North America, call 1-800-SUNSOFT, and choose options 4, 1, 1, respectively. You can also call (310) 348-6219 and choose option 1.
  - In locations other than North America, use the following numbers to request this document:

| | |
|---|---|
| Singapore | 65-733-3405 |
| Taiwan | 886-2-719-8069 |
| Japan | 03-5717-2560 |
| United Kingdom | 44-1494-510981 |

## How to Obtain Driver Updates

In the tables that begin on page 7, entries marked with an asterisk (*) indicate hardware that requires the current Driver Update for proper operation. Driver Update releases (including related documentation) are produced periodically as support for new hardware becomes available.

Driver Updates are posted on:

- CompuServe—Type '**`go sunsoft`**' and go to the Solaris x86 Library.
- WWW
  - Open URL `http://access1.Sun.COM` and click "SunSoft's Support Resolutions Answer Center," select "Solaris," and then select "x86 Driver Information."
  - Open URL `http://sunsite.unc.edu/pub/sun-info/solaris-x86/sunsoft-drivers`
- FTP Server—Use anonymous FTP to access:
  - `ftp.uu.net`, then go to `/vendor/sun/sun-doc/x-86-driver/2.4`
  - `sunsite.unc.edu`, then go to `/pub/sun-info/solaris-x86/sunsoft-drivers`

To obtain a summary of the current Driver Update, in North America call 1-800-SUNSOFT, choose options 4, 1, 1, and request document number 51201.

Outside North America, call one of these numbers and choose option 1 to obtain a summary of the Driver Update:

| | |
|---|---|
| Singapore | 65-733-3405 |
| Taiwan | 886-2-719-8069 |
| Japan | 03-5717-2560 |
| United Kingdom | 44-1494-510981 |

## How to Obtain Technical Support

To obtain technical support:

- In North America, call 1-800-SUNSOFT and choose option 4.
- Outside North America, contact your local Support provider.

## *Related Books*

For specific hardware configuration information necessary to install and run Solaris on your particular hardware, see *x86 Device Configuration Guide* and *Solaris 2.4 x86 Driver Update Guide*.

## *Corrections and Additions*

Vendors, OEMs, and manufacturers: To supply corrections or add products to this list, or to obtain information on the hardware certification program, send email to `x86-certify@Cypress.West.Sun.COM` or leave voice mail at (310) 348-6170.

## *General Requirements*

| CPU | Minimum Memory | Bus | Disk Interface | Distribution Media | Devices for Installing Solaris |
|---|---|---|---|---|---|
| Intel or compatible 386@33MHz (minimum[1])<br>Intel or compatible 486DX, 486DX2, 486SL, 486SX, 486DX4<br>Intel Pentium<br>AMD 486DX2-66<br>AMD 486DX2-80<br>AMD 486DX4-100 | 16 Mbytes | • ISA<br>• EISA<br>• MCA<br>• PCI<br>• VLB | • IDE<br>• E-IDE<br>• SCSI | CD-ROM with a single boot diskette | Diskette drive *and* one of the following devices:<br>• Local SCSI or IDE/ATAPI CD-ROM drive<br>• Remote SCSI or IDE/ATAPI CD-ROM drive available over the network<br>• Remote hard disk available over the network |

1. A 486DX, 486DX2, or Pentium CPU is recommended for better performance.

## *System Platforms*

The Solaris 2.4 x86 system has been successfully installed and tested on the computers listed in this section configured as they are shipped by the system manufacturer.

**Single Processor Systems**

Acer AcerAltos 700*
Acer AcerAltos 800*[1]
Acer AcerAltos 800/P (P-90)*
Acer AcerAltos 7000 (P-60)
Acer AcerAltos 7000 (P-90)
Acer AcerAltos 7000/P (1 CPU, P-90)*
Acer AcerPower 5000 (P-60)*[2,3]
Acer AcerPower 5020 (P-90)*[2,3]
Acer AcerPower 9000T
Acer AcerAltos 17000 Server (tested with 1 CPU only)[4]

ALR BusinessVEISA DX2/66
ALR Evolution IV 4DX2/66
ALR Evolution Q/MP2 100 (1 CPU config)*
ALR Evolution V STe/75 (P-75)*
ALR Evolution V ST/75 (P-75)*
ALR Evolution V ST/120 (P-120)*
ALR Evolution V ST/PCI (P-90)
ALR Evolution VQ EISA (P-60)
ALR Evolution VQ EISA (P-66)
ALR Evolution VQ EISA (P-90)
ALR Evolution X/75 (P-75)*
ALR Evolution X/120 (P-120)*
ALR FLYERvl 486 DX2/66*
ALR PROVEISA DX2/66
ALR Revolution MP/100 (1 CPU config)*
ALR Revolution MP/133 (1 CPU config)*

American Micro Group P90PE-SS Server*
American Micro Group P90PE-WS Workstation*

**Single Processor Systems** ***(Continued)***

AST Bravo-LC 4/100T*
AST Bravo-MS P/75*
AST Bravo-MS P/90*
AST Bravo-MS P/100 (P-100)*
AST Bravo-MS 4/50d*
AST Bravo-MS 4/50s*
AST Bravo-MS 4/66d*
AST Manhattan-G*
AST Manhattan P5090 (P-90)*
AST Manhattan P Series 5100 (P-100)*
AST Manhattan V5090 (P-90)*
AST PowerExec 4/33SL
AST Premium SE 4/50
AST Premmia GX (P-90) E-IDE*
AST Premmia GX (P-90) Integrated SCSI*
AST Premmia GX (P-100)*
AST Premmia MX 4/100t 486 DX4-100*
AST Premmia MX P/75 (P-75)*
AST Premmia MTE 4/66

AT&T GIS 3404 Server (P-90)*

Austin Computers Power System 66 (Pentium 66)*

C&S Vertriebs GmbH AMICUS Advanced (P-133)*
C&S Vertriebs GmbH AMICUS Performance (P-100)*
C&S Vertriebs GmbH (P5-100-ISA-PCI)*

Centerprise LEO-486 (486DX33)*

Compaq Deskpro 4/33i
Compaq Deskpro XE 450
Compaq Deskpro XE 560 (P-60)
Compaq Deskpro XL 466 (486DX2/66)*
Compaq Deskpro XL 590 (P-90)*
Compaq ProLiant 2000 (1 CPU, P-90)*
Compaq ProLiant 4000 (1 CPU, P-90)*
Compaq ProLinea 4/33
Compaq ProLinea 575 (P-75)*
Compaq ProSignia 300 (P-90)*
Compaq ProSignia 500 (P-90)*

**Single Processor Systems** ***(Continued)***

CompuAdd 450
CompuAdd C450D*
CompuAdd C450D Low Profile*
CompuAdd C4100D Low Profile (486DX4-100)*
CompuAdd C466d
CompuAdd C466D Low Profile (486DX2-66)*
CompuAdd CP90p-LX Low Profile*
CompuAdd CP90p*

CompuTrend PREMIO Model 5107-AL1 (P-66)*
CompuTrend PREMIO Model 5107-AL3 (P-90)*

Cube Corp. ATX 466D2*
Cube Corp. PowerStation P66*

DEC Celebris 590 Low Profile (P-90)*
DEC DECpc 466d2 MTE
DEC DECpc LVp+ (433sx/466d2/4100d4)*
DEC Prioris HX 590 (P-90)*[5]

**Single Processor Systems** ***(Continued)***

Dell 433/DE
Dell 450/DE
Dell 466/ME
Dell 466/MX
Dell 466/T
Dell Dimension XPS P90
Dell Dimension XPS P100c*
Dell Dimension XPS P120c*
Dell Omniplex 466
Dell Omniplex 560
Dell Omniplex 566
Dell Omniplex 590
Dell OptiPlex 486/LE MTE
Dell OptiPlex 560/L Low Profile (P-60)*
Dell OptiPlex DGX 590*
Dell OptiPlex DGX 5100*
Dell OptiPlex DGX 5120*
Dell OptiPlex XL 575 (P-75)*
Dell OptiPlex XM 575 (P-75)*
Dell OptiPlex XMT 575 (P-75)*
Dell OptiPlex XL 590 (P-90)*
Dell OptiPlex XM 590 (P-90)*
Dell OptiPlex XMT 590 (P-90)*
Dell OptiPlex XL 5100 (P-100)*
Dell OptiPlex XM 5100 (P-100)*
Dell OptiPlex XMT 5100 (P-100)*
Dell OptiPlex XL 5120 (P-120)*
Dell OptiPlex XM 5120 (P-120)*
Dell OptiPlex XMT 5120 (P-120)*
Dell OptiPlex XMT 5133 (P-133)*
Dell PowerEdge 466/XE
Dell PowerEdge SP 590*
Dell SP5100-2 (P-100)*

Diversified Technology DTI LBE4520 (P-90)*
Diversified Technology DTI LBE4520 (P-100)*

DTK FEAT-39 (DX4-100)
DTK QUIN-35D PCI (P-90)*
DTK QUIN-35M PCI (P-90)*

**Single Processor Systems** ***(Continued)***

EIS Computers "The Client" (486/66 VLB)
EIS Computers "The Client P60" (P5-60)*
EIS Computers "The Developer" (486/66 EISA/VLB)
EIS Computers "The Developer P90" (P-90 PCI)*
EIS Computers "The Developer P90i" (P5-90 PCI)*
EIS Computers "The Developer P100" (P-100 PCI)*
EIS Computers "The Developer P100i" (P-100 PCI)*
EIS Computers "The Developer P120" (P-120 PCI)*
EIS Computers "The Developer P120i" (P-120)*
EIS Computers "The Developer P120s" (P-120)*
EIS Computers "The Developer P133" (P-133)*
EIS Computers "The Developer P133s" (P-133)*
EIS Computers "The Developer P133i" (P-133)*

Everex Step DP (tested with 1 CPU, P-90)*

Fujitsu FMV-466D (486DX2-66)
Fujitsu FMV-575D4L (P-75)*
Fujitsu FMV-590DE (P-90)*
Fujitsu FMV-5100D4L (P-100)*

FutureTech 4100V (486 DX4/100)
FutureTech 462iV (i486 DX2-66)
FutureTech 5601P (P5-60)
FutureTech FTS4414 (AMD486 DX-40)

Gateway 2000 486/33E
Gateway 2000 4DX2-66 (low profile)*[3]
Gateway 2000 4DX2-66E
Gateway 2000 4DX2-66V
Gateway 2000 4SX-33 (low profile)*[3]
Gateway 2000 P4D-66*[3]
Gateway 2000 P4D-100 (486DX4-100)*
Gateway 2000 P5-60*
Gateway 2000 P5-66*[3]
Gateway 2000 P5-90 Tower*
Gateway 2000 P5-100 (P-100)*[6]
Gateway 2000 P5-100XL (P-100)*[6]
Gateway 2000 P5-120 (P-120)*[7]

GCH Systems EasyData 590 (P54C-90)
GCH Systems Aegis 466 (i486DX2-66)
GCH Systems Aegis 466ES (i486DX2-66)

GoldStar GT51P PCI (P-60)*

**Single Processor Systems** ***(Continued)***

Hitachi FLORA 1010DK (P-60)*

HP NetServer 4d/66LE (486DX2-66)*[8]
HP NetServer 4d/66LM*[9]
HP NetServer 5/66 LC (P-66)*
HP NetServer 5/66 LF (P-66)*
HP Vectra VL2 5/60 (P-60)
HP Vectra VL2 5/90 (P-90)*
HP Vectra VL2 4100 (486DX4-100)*
HP Vectra VL3 (P-90)*
HP Vectra XM2 4/66i (486DX2-66)*
HP Vectra XM3 5/90 (P-90)*
HP Vectra XU (P-90)*
HP Vectra XU 5/90c (P-90)*[10]

Hyundai Phantom Desktop (P-90)*

IBM PC Server 320 Model 8640-ONJ (486DX2-66)*
IBM PC Server 320 Model 8640-OPT (P-90)*
IBM PC Server 500 Model 8641 OYR (P-90)*
IBM Personal Computer 300 Series Model 6571*
IBM Personal Computer 300 Series Model 6575*
IBM Personal Computer 300 Series Model 6581*
IBM Personal Computer 300 Series Model 6585*
IBM Personal Computer 330 Model 6576 (P-75)*
IBM Personal Computer 350-100DX4*
IBM Personal Computer 700 Series Model 6875*
IBM Personal Computer 750 Model 6885 (P-75)*
IBM Personal Computer 750 Model 6885-JOM (P-90)*
IBM PS/2 Model 76 (9576-*xxx*)
IBM PS/2 Model 95 XP486 (9595-OL)*
IBM PS/2 Model 95 XP486 (9595-OM)*
IBM PS/2 Server 95 (9595-3QT)[5]
IBM PS/2 Server 95 (9595-OPT)[5]
IBM PS/ValuePoint 466DX2/D
IBM PS/ValuePoint P60/D
IBM PS/ValuePoint Performance Series 486 DX2/66 Dp

Industrial CPU Systems PC (P-133)*

**Single Processor Systems** ***(Continued)***

Intel L486-Series Professional GX (486DX2-66)*
Intel Advanced EV Pentium/100*
Intel Premiere/PCI LX (Plato) (P-90)*
Intel Xpress 486/DX33
Intel Xpress Pentium/60
Intel Xpress Pentium/90

Intergraph TD-1 (486DX266)*
Intergraph TD-2 (P-66)*
Intergraph TD-3 (P-90)*
Intergraph TD-30 (P-90)*[11]

Inves BS-486-VS i486 DX2-50

Leading Edge Fortiva Series 3000 (486DX2-50)
Leading Edge Fortiva Series 4000 (Cyrix 486DLC-40)[1]
Leading Edge Fortiva Series 5000 (486DX2-66)*
Leading Edge MT 6000 (P-90)*
Leading Edge Valience Desktop DT4000

Metrologie P60 Tower (Intel Xpress P-60)
Metrologie Premiere/PCI P60 Desktop (Intel Mercury)

Microbus European Data Systems iBOX (486DX-33)*[12]

Micron 486PCI MAGNUM (486 DX4/100)*
Micron Millennia 100 (P-100)*
Micron P90PCI PowerStation*[13]
Micron P90PCI PowerStation Mini-Tower, Plug and Play (P-90)*

NCR 3333 (486DX2/66)

**Single Processor Systems** ***(Continued)***

Olivetti M4-82*[14]
Olivetti M6-420*
Olivetti M6-440*[15]
Olivetti M6-450*[15]
Olivetti M6-460*[15]
Olivetti M6-640*[5]
Olivetti M6-750*[14,16]
Olivetti M6-760*[14,16]
Olivetti M6-770*[14,16]
Olivetti M6-850*[1,5]
Olivetti M6-860*[5]
Olivetti M6-880*[5]
Olivetti SNX-140*[1,5]
Olivetti SNX-160UP (P-90)*

Packard Bell Axcel Series[17]
Packard Bell Executive Series[17]
Packard Bell Force Series[17]
Packard Bell Legend Series[17]
Packard Bell Pack-Mate Series[17]
Packard Bell PRO Series[17]

Peacock-AG AT 486 DX-40 Professional Plus Desktop
Peacock-AG LAN-Station AT 486 DX-40 LN4

Research Machines PC-425S (486SX/25)*
Research Machines PC-450S Accelerator (486SX2-50)*
Research Machines PC-560 Accelerator (P-60)*
Research Machines PC-590 Professional (P-90)*[18]

Samsung Magic Power SPC8500*
Samsung Magic Power SPC8500 (P-133)*

Siemens ANL Siix Server 1 (486 DX2-50)*

Siemens Nixdorf PCD-4H/VL (486 DX2-50)*
Siemens Nixdorf PCD-4H/VL (486 DX2-66)*
Siemens Nixdorf PCD-4H/PCI (486 DX2-66)*
Siemens Nixdorf PCD-5H (P-60 PCI)*[19]
Siemens Nixdorf PCD-5H (P-90)*
Siemens Nixdorf PCD-5T*
Siemens Nixdorf PCE-5S*

**Single Processor Systems** ***(Continued)***

TAGRAM Platinum (P-66)*
TAGRAM ThunderBolt (P-66)*

Toshiba J-3100 PV (486SX-25 ODP)*
Toshiba J-3100 PV2 (486DX2-66)*

Tulip 4-Series DE PCI (486DX2-66)*
Tulip 5-Series DE PCI (P-90)*
Tulip 4-Series DE EISA (486DX2-66)*
Tulip 4-Series DS PCI (486DX2-66)*
Tulip 5-Series DS PCI (P-90)*
Tulip 4-Series DS EISA (486DX2-66)*
Tulip 4-Series DT ISA (486DX2-66)*
Tulip 4-Series DT PCI (486DX2-66)*
Tulip 5-Series DT PCI (P-90)*
Tulip 4-Series TR EISA (486DX2-66)*

Unisys U6000/DT2
Unisys U6000/100
Unisys U6000/300

Viglen Contender Professional 4DX266*
Viglen Genie PCI Professional 4DX266*
Viglen Genie PCI P5-133*
Viglen Genie PCI Tower P5-90*

WellStone SWS 5090 (P-90)*

Wyse Decision 486se
Wyse Decision 486Gsi (DX2/66)
Wyse Series 6000i Model 650
Wyse Series 6000i Model 665

**Single Processor Systems** ***(Continued)***

Zenith Data Systems Z-SELECT 100 XE Minitower (486DX2-66)*
Zenith Data Systems Z-STATION 510 Minitower (486DX4-100)*
Zenith Data Systems Z-STATION EX Model II (P-90)*
Zenith Data Systems Z-STATION GT (P-75)*
Zenith Data Systems Z-SELECT PT (P-60)*
Zenith Z-Server EX P90E Model 1000
Zenith Z-Server EX P90E Model 1000A
Zenith Z-Server LT 433DE Model 1000
Zenith Z-Server LT 433DE Model 1000A
Zenith Z-Server LT 450DE Model 1000
Zenith Z-Server LT 450DE Model 1000A
Zenith Z-Server LT 466XE Model 1000
Zenith Z-Server LT P60E Model 1000
Zenith Z-Server LT P60E Model 1000A
Zenith Z-Server WG 466 (486DX2/66)*
Zenith Z-Server WG P90 (P-90)*

1. Requires substituting the video card with one supported by Solaris 2.4 .
2. Requires substituting the network card with one supported by Solaris 2.4 .
3. Must use a CD-ROM drive supported by Solaris 2.4 .
4. This model is an MP server but has only been tested with one CPU.
5. Server System. Integrated video currently only works in 640x480 VGA mode.
6. Requires non-default BIOS settings for proper operation.
7. The three-disk CD-ROM changer is not supported at this time.
8. Select "Trident 9000" when configuring the display adapter, and be sure to upgrade the video RAM on the motherboard.
9. System must be upgraded to a minimum of 1-Mbyte video memory and a minimum 32-Mbytes system memory.
10. Some versions may require a future Driver Update to support integrated video due to a manufacturer's part change.
11. PC Card support is planned for a future Driver Update.
12. The design of the Cache controller requires that you map out the memory range used by the SCSI controller or the system will not work; the on-board hardware watchdog circuit R39 must also be disabled.
13. Warning: FLASH BIOS must be write-protected *before* attempting to install the Solaris software; remove jumper JP9 on the motherboard and use BIOS revision -10 or later.
14. Only tested with vendor's ATI Mach32 video option.
15. Integrated audio chip not currently supported.
16. Must set Adaptec SCSI BIOS to address cc000.

17. This series of machines comes in various models and configurations. If the FCC ID label on the back panel of your machine contains one of the three-digit codes 430, 450, 470, 520, or 550, then it is based on a platform that was tested for compatibility and should run Solaris 2.4 x86. However, ensure that other optional equipment and subsystems on your specific model are listed in this document.

18. The newer version of this system had BIOS compatibility issues at the time of test. Also, attach the CD-ROM to the primary IDE channel.

19. Built-in ATI video card currently only supported in 43-Hz mode.

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

**Multiprocessor Systems (SMP)[1]**

Acer AcerAltos 7000/P (2 CPUs, P-90)*
Acer AcerFrame Model 3000MP (2 CPUs)

ALR Evolution V STe/75 (2 CPUs P-75)*
ALR Evolution Q/MP2 100 (2 CPUs P-100)*
ALR Proveisa SMP (2 CPUs)
ALR Revolution MP Pentium 90 (2 CPUs)
ALR Revolution MP/100 (2 CPUs P-100)*
ALR Revolution Q-SMP Pentium/90* (2, 3, & 4 CPUs)
ALR Revolution Q-SMP Pentium/100* (2 CPUs)
ALR Revolution Q-SMP Pentium/100* (4 CPUs)

AST Manhattan SMP 486/33 (4 CPUs)
AST Manhattan SMP P/60 (4 CPUs)
AST Manhattan P5090 (2 CPUs, P-90)*[2]
AST Manhattan P5100 (Dual)*
AST Manhattan P5133 (Dual)*
AST Manhattan V5090 (2 CPUs, P-90)*[2]
AST Manhattan V5100 (Dual)*
AST Premmia GX (2 CPUs, P-90) Integrated E-IDE*
AST Premmia GX (2 CPUs, P-90) Integrated SCSI*
AST Premmia GX (2 CPUs, P-100)*
AST Premmia GX (2 CPUs, P-133)*

AT&T GIS Globalyst 540 (4 CPUs, P-100)*

Austin Affinity SE (2 CPUs, P-90)*

C&S Vertriebs GmbH AMICUS Strategy (2 CPUs, P-133)*
C&S Vertriebs GmbH (Dual P5-90 EISA-PCI)

Compaq ProLiant 2000 (2 CPUs, P-90)*
Compaq ProLiant 4000 (4 CPUs, P-90)*

DEC Celebris XL 590DP (2 CPUs, P-90)*
DEC Prioris HX 590DP (2 CPUs, P-90)*

Dell OptiPlex DGX 590 (2 CPUs, P-90)*
Dell OptiPlex DGX 5100 (2 CPUs, P-100)*
Dell OptiPlex DGX 5120 (2 CPUs, P-120)*
Dell PowerEdge SP 5100-2 (2 CPUs, P-100)*
Dell PowerEdge XE 590-2 with DSA (2 CPUs, P-90)*

Diversified Technology (DTI) LBE-4520 DP (2 CPUs, P-90)*

DTK QUIN-52M DP90 (2 CPUs, P-90)*

**Multiprocessor Systems (SMP)[1] *(Continued)***

EIS Computers "The Developer" (2 CPUs, P-90 MP)
EIS Computers "The Developer" (2 CPUs, P-100 MP)
EIS Computers "The Server" (2 CPUs, P-90 MP)*
EIS Computers "The Server" (2 CPUs, P-100 MP)*

Everex Step DP (2 CPUs, P-90)*

Hitachi FLORA 3010DV (2 CPUs, P-90)*
Hitachi FLORA 3100BP (2 CPUs, P-90)*
Hitachi FLORA 3100SP (2 CPUs, P-90)*[3]

HP NetServer 5/66 LM-2 (2 CPUs)*[2]
HP Vectra XU 5/90c (2 CPUs P-90)*[4]

IBM PC Server 320 Model 8640-OYT (2 CPUs P-90)*

Intel ALTserver Altair (2 CPUs, P-100)*
Intel Xpress (4 CPUs, P-100)*
Intel Xpress Dual Pentium 60 (2 CPUs)
Intel Xpress Dual Pentium 66 (2 CPUs)

Intergraph ISP32 (2 CPUs, P-90)*
Intergraph ISMP22 (2 CPUs, P-90)*
Intergraph ISMP6 (6 CPUs, P-100)*
Intergraph TD-4 (2 CPUs, P-90)*
Intergraph TD-4 (2 CPUs P-100)*
Intergraph TD-40 (2 CPUs, P-100)*
Intergraph TD-5 (2 CPUs, P-90)*

Olivetti SNX-160MP (2 CPUs, P-90)*

Peacock-AG LAN-Server Model SSE 8332 (Dual Pentium 66 Intel Xpress)

Samsung Magic Power SWS520/90 (2 CPUs, P-90)*
Samsung Magic Power SPC8500 (2 CPUs, P-133)*

SNI PCD-5T/PCI90de (2 CPUs, P-90)*
SNI PCE-5Smp (4 CPUs, P-100)*

Tricord PowerFrame Enterprise Server ES3000*[5] (4 CPUs)
Tricord PowerFrame Enterprise Server ES4000*[5] (6 CPUs)
Tricord PowerFrame Enterprise Server ES5000*[5] (6 CPUs)

**Multiprocessor Systems (SMP)[1] *(Continued)***

Unisys 5400 (2 CPUs, P-100)*
Unisys 6000/500 Model 20 (2 CPUs)*[6]

Wyse Series 7000i Model 760MP (4 CPUs)
Wyse 7000-760MP DX2-66 (3 CPUs)
Wyse 7000-765MP P66 (2 CPUs)

Zenith Z-Server EX DP66E Model 1000 (2 CPUs)
Zenith Z-Server WG P90 (2 CPUs P-90)*

1. The number of CPUs following each entry indicates the number of processors in the MP system as tested.
2. Only tested in VGA mode due to integrated video memory size.
3. Must use a CD-ROM drive supported by Solaris 2.4.
4. Some versions may require a future Driver Update to support integrated video due to a manufacturer's part change.
5. Requires custom Solaris boot diskette to be supplied by Tricord.
6. Must upgrade the system BIOS to V3.03.

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

## Notebook Computers[1]

Ambra SN425C[23]

AST Ascentia 800N 486SX/33 [3]
AST Ascentia 900N 4/50[3]
AST Ascentia 900N 4/75[3]
AST Ascentia 910N (486DX2/50)*[4]
AST Power Exec 4/33 ColorPlus[3]

Compaq LTE 4/25C[3]
Compaq LTE 4/33[3]
Compaq LTE Elite 4/75 CX (486DX4-75)*

Dell Latitude XP (DX4-100)*[5]

Ergo Powerbrick PN312/TFT (486DX4-100)*[3]

Everex StepNote (486DX4-100)[3]

Fujitsu FMV-450NL/S (SL DX2-50)*

Gateway 2000 ColorBook 486DX4-75*[3]

IBM ThinkPad 750[3]
IBM ThinkPad 750C[3]
IBM ThinkPad 755C DX2/50*[3]

NEC Versa/33
NEC Versa/50

Panasonic CF-V21P[3]

SiO Technologies FT-500 DX2/66*[3]

Texas Instruments 4000E[3]

## Notebook Computers[1] *(Continued)*

Toshiba T1950CT
Toshiba 2400CT*
Toshiba T3400 [6]
Toshiba T3600*
Toshiba T4400C*[7]
Toshiba T4600 [7]
Toshiba T4700C [7]
Toshiba T4850CT (486DX4-100)
Toshiba T4800 [7]
Toshiba T4900CT (P-75)*[8]
Toshiba Portege 610CT*
Toshiba Satellite Pro 400CDT (P-75)*
Toshiba Satellite Pro T2150CDT (486DX4-75)*[8]
Toshiba Satellite Pro T2450CT (486DX4-75)*[8]

Twinhead Slimnote II (486E)[3]

Zenith Z-Note[3]
Zenith Z-Noteflex[3]

1. For specific details on installing the Solaris 2.4 operating environment on notebook computers, see *Solaris 2.4 x86 Notebook Supplement Guide* (order number ISOS-240-FP3-NBS).
2. Keyboard controller problem affects installation. See *Solaris 2.4 Open Issues and Late-Breaking News*.
3. Not tested with PC Card (PCMCIA).
4. The dual-scan model is only supported in 640x480 resolution, VGA, 800x600 panning mode.. The active matrix model works with the standard PMI file `wd90c26am.pmi`; the `kdmconfig` selection is "Toshiba 4600c or AST 4/33 SL: WD9026 256 Color TFT."
5. To use this system, after the PC Card (pcmcia) portion of Solaris 2.4 x86 Driver Update 7 is installed, you must edit the file `/kernel/drv/pcic.conf`, changing the line `res-memory=0xcc000,0x24` to `res-memory=0xdc000,0x24`.
6. Requires special configuration to install Solaris; only comes with a 120-Mbyte disk.
7. Some hardware configuration may be required to install Solaris. See *Solaris 2.4 Open Issues and Late-Breaking News*.
8. CAUTION: Some third-party memory expansion (PC Card) has been found to fail with the Solaris system. Use actual Toshiba or high-grade third-party memory.

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

## *Supported Devices*

Devices listed in this section have been successfully tested with Solaris 2.4 x86 in a varied but limited number of hardware configurations. While a complete system composed of the devices listed in this section should enable you to install and run the Solaris software, some combinations of devices may not be usable or may require additional configuration.

**SCSI Host Bus Adapters**

| Vendor | Model |
|---|---|
| Acculogic | PCIpport Model 20 |
| Adaptec | AHA-1510A*<br>AHA-1520A*<br>AHA-1522A*<br>AHA-1530P/1532P*<br>AIC-6260*<br>AIC-6360*<br>AIC-7850*<br>AIC-7870*<br>AHA-1540B/1542B<br>AHA-1540C/1542C<br>AHA-1540CF/1542CF<br>AHA-1640/1642<br>AHA-1740/1742A<br>AIC-7770, AIC-7770 Rev. E<br>AHA-2740/2742<br>AHA-2740-T/2742-T<br>AHA-2740A/2742A<br>AHA-2740A-T/2742A-T<br>AHA-2740W<br>AHA-2840A/2842A<br>AHA-2840VL/2842VL<br>AHA-2940/2940W* |
| AMD | PCscsi*<br>PCscsi II*<br>PCnet-SCSI* |

**SCSI Host Bus Adapters** ***(Continued)***

| Vendor | Model |
|---|---|
| AT&T GIS | NCR 53C810<br>NCR 53C815*<br>NCR 53C820[1]<br>NCR 53C825[1] |
| BusLogic | BT-440C* (VLB)<br>BT-445C* (VLB)<br>BT-445S* (VLB)<br>BT-542B* (ISA)<br>BT-545C* (ISA)<br>BT-545S* (ISA)<br>BT-742A* (EISA)<br>BT-746C* (EISA)<br>BT-747C* (EISA)<br>BT-747S* (EISA)<br>BT-757S* (EISA)<br>BT-946C* (PCI) |
| Compaq | 32-bit Fast-SCSI-2 (NCR 53C710)<br>Integrated 32-bit Fast-SCSI-2 (NCR 53C710) |
| Creative Labs | Sound Blaster 16 SCSI-2* |
| DPT | PM-2011<br>PM-2012B<br>PM-2021<br>PM-2022<br>PM-2122*<br>PM-2024*<br>PM-2124* |
| IBM | PS/2 Micro Channel SCSI<br>SCSI-2 Fast/Wide Adapter/A* |
| Intel | PCISCSI (NCR 53C825)[1]<br>PCISCSINR (NCR 53C810) |
| P.E. Logic Corp | PEL-1620* |
| Siemens | Nixdorf PCE-5S (NCR 53C710)* |

**SCSI Host Bus Adapters** ***(Continued)***

| Vendor | Model |
|---|---|
| Symbios Logic | NCR 53C815 SCSI* |
| Trantor | T348 MiniSCSI Plus Parallel* |
| Tricord | Intelligent SCSI Subsystem Controller* |

1. Wide SCSI not yet supported in Solaris driver.

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

**SCSI RAID Controllers**

| Vendor | Model |
|---|---|
| Compaq | SMART SCSI Array Controller* |
| DEC | Digital Storage Works RAID Array (EISA) |
| Dell | Dell SCSI Array (DSA) |
| DPT | SmartRAID PM-3222<br>SmartRAID PM-3224 |
| HP | HP Disk Array/HP Disk System |
| IBM | SCSI-2 RAID Adapter (MCA)*<br>SCSI-2 Fast/Wide Streaming-RAID Adapter/A* (PCI & MCA) |
| Mylex | DAC960-3<br>DAC960-5<br>DAC960P (PCI)* |

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

**CD-ROM Drives**

| Vendor | Model | Type |
|---|---|---|
| Chinon | CDS-435 | SCSI |
| | CDS-525 | SCSI |
| | CDS-535[1] | SCSI |
| Goldstar | GCD-R320B | SCSI |
| | GCD-R520B | IDE/ATAPI |
| Hitachi | CDR-1900S | SCSI |
| | CDR-3750 | SCSI |
| | CDR-6750 | SCSI |
| Lion Optics | XC200SI | SCSI |
| LMSI | CM214 | SCSI |
| | CM215 | SCSI |
| Mitsumi | CRMC-FX001DE | IDE/ATAPI |
| | CRMC-FX400 | IDE/ATAPI |
| NEC | MultiSpin 2Vi | IDE/ATAPI |
| | MultiSpin 3Xe[2] | SCSI |
| | MultiSpin 3Xi[2] | SCSI |
| | MultiSpin 4Xe[1, 2] | SCSI |
| | MultiSpin 4Xi[1, 2] | SCSI |
| | MultiSpin 3Xp Plus | SCSI |
| | Intersect CDR-74 | SCSI |
| | Intersect CDR-84 | SCSI |
| | CDR-210[2] | SCSI |
| | CDR-211 | SCSI |
| | CDR-250 | IDE/ATAPI |
| | CDR-260 | IDE/ATAPI |
| | CDR-260R | IDE/ATAPI |
| | CDR-271 | IDE/ATAPI |
| | CDR-272 Rev. 4.15 | IDE/ATAPI |
| | CDR-510 | SCSI |
| Panasonic | LK-MC509S | SCSI |
| | LK-MC579B | IDE/ATAPI |
| Panasonic/ Matsushita | CR-572B | IDE/ATAPI |
| Philips | CM207 | IDE/ATAPI |
| | CM215 | SCSI |
| | CM425A | SCSI |
| Pioneer | DRM-604X[1, 3] | SCSI |

**CD-ROM Drives** *(Continued)*

| Vendor | Model | Type |
|---|---|---|
| Plextor | DM3028 | SCSI |
| | PX-43CH (4 PLEX) | SCSI |
| | PX-45CH | SCSI |
| | PX-43CS | SCSI |
| | PX-45CS | SCSI |
| | PX-63CS (6 Plex) | SCSI |
| | PX-65CS (6 Plex) | SCSI |
| Reveal | 4X Internal | ATAPI |
| Sanyo | CDR-H93RMV | SCSI |
| | CDR-400I | SCSI |
| Sony | CDU-55E | IDE/ATAPI |
| | CDU-55S[4] | SCSI |
| | CDU-76S | SCSI |
| | CDU-76E-S | SCSI |
| | CDU-561 | SCSI |
| | CDU-6211 | SCSI |
| | CDU-6811 | SCSI |
| | CDU-7211 | SCSI |
| | CDU-7811 | SCSI |
| | CDU-8012 | SCSI |
| Sun Microsystems | SunCD | SCSI |
| Texel | DM3024 | SCSI |
| | DM3028 | SCSI |
| | DM5021 | SCSI |
| | DM5024 | SCSI |
| | DM5028 | SCSI |
| Toshiba | 4101-TA | SCSI |
| | 5201B | SCSI |
| | TXM-3201 | SCSI |
| | TXM-3301 | SCSI |
| | TXM-3401 | SCSI |
| | XM-3501B | SCSI |
| | XM-3601B | SCSI |
| Wearnes[5] | CDD-120 | IDE/ATAPI |

1. Various CD-ROM players may not be fully SCSI-compliant in their handling of the CDROMREADHEADER command. This may cause failures from `vold` not mounting an eligible CD-ROM. The workaround is to mount the CD-ROM manually.
2. Early versions of NEC firmware were not fully SCSI-compliant; thus these drives may only work if synchronous negotiation and disconnect are disabled on the SCSI adapter used with the CD-ROM drive, or if the drive is jumpered to use `scsi-1` commands, as appropriate.
3. Only the first CD-ROM in the Pioneer DRM-604X CD-ROM changer is supported by default.
4. This drive does not work with the Adaptec AHA-2940 SCSI HBA.
5. Must have BIOS 1.0 or later.

### Audio Devices

| Vendor | Model |
|---|---|
| Creative Labs | Sound Blaster 16<br>Sound Blaster 16 SCSI-2*<br>Sound Blaster AWE32*<br>Sound Blaster Pro |

*Entries marked with an asterisk (*) require the current Driver Update for.proper operation.

### Multiport Serial Adapters

| Vendor | Model |
|---|---|
| CHASE[1] | IOPRO (ISA 8 Port) |
| COMPUTONE[1] | IntelliServer SVR-16DB (16 Port) |
| COMTROL[1] | Rocketport (16 Port) |
| DigiBoard[1] | PC/Xem (ISA, EISA)<br>EPC/X (ISA, EISA)<br>C/X2 (ISA, ESIA)<br>PC/8eVe<br>AccelePort (ISA) |
| MILAN[2] | FastPort 3100CX PrintServer<br>FastPort 3200C PrintServer<br>FastPort 3400C PrintServer |
| Moxa[1] | MOXA-C218 (ISA 8 Port)<br>MOXA-C320 (ISA 32 Port) |
| Specialix[1] | SI/8 AT<br>XIO/8 AT |
| Systech[1] | Parallex SCS-2008I (ISA 8 Port) |

1. Solaris drivers for this vendor's devices are available directly from the vendor.
2. Solaris drivers and support for this vendor's devices are available directly from the vendor.

### Network Adapters—Ethernet

| Vendor | Name/Model |
|---|---|
| Accton | EN1625 (ISA)*<br>EtherCombo-16 (ISA)*[1] |
| Allied Telesis | AT-1500AT-Plus (ISA)*<br>AT-1500BT-Plus (ISA)* |
| Alta | EtherCombo-16 T/C (ISA)*[1, 2] |
| AMD | PCnet-ISA controller chip*<br>PCnet-PCI controller chip* |
| 3Com | EtherLink II, II/16 (3C503, 3C503-16)<br>EtherLink 16, 16TP (3C507, 3C507-TP)<br>EtherLink III (3C509, 3C509B, 3C529, 3C579)*<br>EtherLink III PCMCIA (3C589, 3C589B)* |
| Cabletron | E-2210 (ISA)* |
| CNet | CN970EBT (PCI)* |
| Cogent | EM100 (PCI)*<br>EM960/EM960C (TP connector only) (PCI)* |
| Compaq | Netflex-2 DualPort ENET*<br>Netflex-2 ENET-TR Controller* |
| D-Link | DE-510CT (VLB)*<br>DE-530CT (PCI)* |
| Intel | EtherExpress FlashC (PCLA8105)<br>EtherExpress16 (PCLA8110)<br>EtherExpress16 TP (PCLA8120)<br>EtherExpress16C (PCLA8100)<br>EtherExpress MCA (MCLA8110)<br>EtherExpress MCA TP (MCLA8120)<br>EtherExpress 32*<br>EtherExpress Flash32 (82596)<br>EtherExpress PRO/100* |
| Kingston | KNE-2000T+ (ISA)*[2]<br>KNE-2002+ (ISA)*[2]<br>KNE-2031+ (ISA)*[2]<br>KNE-2121+ (ISA)*<br>KNE-2121H (ISA)* |
| Microdyne | NE2000 (ISA)* |

**Network Adapters—Ethernet** ***(Continued)***

| Vendor | Name/Model |
|---|---|
| Mitron | LX2100p (PCI)* |
| National Semicond. | Infomover NE2000 Plus (ISA)*[2] |
| Novell/ Eagle Tech. | NE2000 (ISA)*<br>NE2000 Plus (ISA)*[2]<br>NE3200 (EISA)* |
| Olicom | EtherCom ISA/II*[2] |
| Racal Interlan | ES3210/ES3210 TP Ethernet*[3]<br>PCI T2-STR* |
| Samsung | SEB-3000C (PCI)* |
| SMC | Elite32C Ultra (EISA)*<br>EtherCard PLUS (8003)<br>EtherCard PLUS Elite (8013)<br>EtherCard PLUS Elite16 (8013)<br>EtherCard Elite16 Ultra (8216)<br>EtherCard Elite32T (8033T)<br>EtherEZ (8416)*<br>EtherPower 8432BT/8432BTA (PCI)* |
| SVEC | FD0455 EtherBoard-PCI*<br>NE2100 (ISA)* |
| Thomas Conrad | NE2000 (ISA)* |
| Unisys | EISA Ethernet controller (Intel 82596)<br>U6000/DT2 integrated Ethernet controller (Intel 82596) |
| Xircom | Pocket Ethernet Adapter III (PE3) |
| Znyx | EtherAction ZX312 (PCI)* |

1. Card misdetects 8-bit slot.

2. Some NE2000plus clones may only work in I/O or shared memory mode, depending on the system or configuration, while running Solaris software.

3. Only the newer versions of these cards are supported. The versions successfully tested have stickers with the numbers 625-0367-00 and 625-0369-00; older versions of the card, for example, those with the number 625-0136-00, do not work.

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

**Network Adapters—Token Ring**

| Vendor | Name/Model |
|---|---|
| 3Com | TokenLink III (3C619, 3C629, 3C679) |
| IBM | Token Ring 16/4 Adapter/A |

**PC Card (PCMCIA)—Controllers**

| Vendor | Name/Model |
|---|---|
| Cirrus Logic | PD6710/PD6720 |
| Intel | 82365SL |
| Ricoh | RF5C366 |
| Toshiba | |
| Vadem | VG365/VG465/VG468 |

**PC Card (PCMCIA)—Add-On Boards**

| Vendor | Name/Model |
|---|---|
| Hytec | HCD 22 |
| SCM Microsys. | SwapBox Classic<br>SwapBox Premium |

**PC Card (PCMCIA)—Modems**

| Vendor | Name/Model |
|---|---|
| APEX Data | PCA-1414 (Data/Fax) |
| AT&T Paradyne | 371-B1-001 (14.4 Data/Fax) |
| Boca-Modem | m144pa (14.4bps V32bis Data/Fax) |
| DataRace | RediCard Version 1 (V.32bis/V.42/V.42bis Fax/Data)<br>RediCard Version 2 (V.32bis/V.42/V.42bis Fax/Data) |
| Hayes | Optima 144 |
| IBM | 24TTMOD-W14 (14.4 Data/Fax)<br>87G9800 (V.32bis/V.42/V.42bis Fax/Data) |
| Intel | 110-US (2400 Data) |
| Kingston | DataRex 87G9851 (V.32bis/V.42/V.42bis Fax/Data) |
| Megahertz | CC3144 (V.32bis/V.42/V.42bis Fax/Data)<br>XJ114 (V.32bis/V.42/V.42bis Fax/Data)<br>XJ124FM (V.32bis/V.42/V.42bis Fax/Data)<br>XJ214 (V.32bis/V.42/V.42bis Fax/Data)<br>XJ2288 (V.32bis/V.42/V.42bis Fax/Data) |
| SMART Modular Tech. | SmartExchange 9624 Fax/Modem |
| Supra | COMcard 144 (V.32bis/V.42/V.42bis Fax/Data) |
| US Robotics | Sun/USR WorldPort (V.32bis/V.42/V.42bis Fax/Data/Voice) |

**PC Card (PCMCIA)—Serial Cards**

| Vendor | Name/Model |
|---|---|
| IBM | IBM RS-332 Serial Card |
| Socket Communication | SL0700 (RS-332) |

**PC Card (PCMCIA)—SRAM Memory Cards**

| Vendor | Name/Model |
|---|---|
| Epson | NB70-004268<br>NB70-004269<br>NB70-004270 |
| IBM | 0.5 MB SRAM Card<br>1 MB SRAM Card<br>0933155 (2 MB SRAM) |
| Magic Ram | SR1MBP100<br>SR2MBP100 |
| Mitsubishi | MF3513-L5DAT<br>MF31M1-L5DAT<br>MF32M1-L5DAT |
| SMART Modular Technologies | SM9SRD512KP3<br>SM9SRD1MP3<br>SM9SED2MP3<br>SM9SRDA1MP3<br>SM9SRDA2MP3 |

**Pointing Devices**

| Vendor | Model |
|---|---|
| Alps Electric | GlidePoint |
| Appoint | Thumbelina[1]<br>MousePen Pro[1] |
| CH Products | RollerMouse |
| Dyna Point | DynaTrak[1] |
| IBM | PS/2 2-button<br>Easy Options Mouse[1] |
| Interlink | PortaPoint[1] |
| Kraft Systems | MicroTrack[1] |
| Logitech | C7 serial and bus mouse devices<br>C9 serial and bus mouse devices<br>2-Button[1]<br>MouseMan serial and bus mouse devices<br>MouseMan cordless<br>TrackMan serial and bus mouse devices |
| Microsoft | Serial, bus, and PS/2 mouse devices |
| MicroSpeed | MicroTRAC trackball |
| Mouse Systems | Mouse!<br>New Mouse<br>PC Mouse II |

1. Select "Microsoft 2-button mouse" during installation of Solaris software.

**Tape Drives—SCSI[1]**

| Vendor | Model |
|---|---|
| Archive | 2150S 150 MB<br>2525 QIC-525<br>Python 28454 4mm<br>Viper |
| Exabyte | EXB-4200 4mm<br>EXB-8200<br>EXB-8500<br>EXB-8505 8mm |
| HP | Colorado Memory Systems PowerTape 1100 QIC<br>Colorado Memory Systems PowerTape 2400 QIC<br>Colorado Memory Systems PowerTape 4000 QIC<br>Colorado Memory Systems PowerDAT 6000 4mm<br>35470A DDS 4mm<br>35480A DDS/Data Compression 4mm<br>C1533-00100 DDS2/Data Compression 4mm<br>C1534A DDS Tape Drive 4mm<br>C1536A DDS/Data Compression 4mm |

**Tape Drives—SCSI[1] *(Continued)***

| Vendor | Model |
|---|---|
| HP, cont | C1520F SureStore Tape 2000e 4mm<br>C1525F SureStore Tape 2000i 4mm<br>C1521F SureStore Tape 5000e 4mm<br>C1526F SureStore Tape 5000i 4mm<br>C1551A SureStore Tape 5000eU 4mm<br>C1529F SureStore Tape 6000e 4mm<br>C1528F SureStore Tape 6000i 4mm<br>C1552A SureStore Tape 6000eU 4mm<br>C1520E JetStore 2000e 4mm<br>C1520E JetStore 2000i 4mm<br>JetStore 5000e 4mm<br>C1526E JetStore 5000i 4mm<br>C1529A JetStore 5000i 4mm<br>C1528E 4mm |
| Sony | SDT-5000 4mm<br>SDT-5200 4mm |
| Sun Microsystems | x660A 150MB QIC<br>x814A 5.0GB 8mm<br>x822A 4mm<br>x6101A 2.5GB QIC SCSI<br>x6102A 2.5GB QIC SCSI<br>x6103A 2.5GB QIC SCSI |

**Tape Drives—SCSI[1] *(Continued)***

| Vendor | Model |
|---|---|
| Tandberg | Panther 525S<br>TDC 3820<br>TDC 4120<br>TDC 4220<br>TDC 4222 |
| WangDAT | 3400DX DDS-2 4mm |
| Wangtek | 51000 QIC<br>5525ES QIC<br>9500DC QIC |

1. The tape drives in this table have been tested with the `st` tape driver software. The tape drives were tested using the Legato Tape Exerciser program to verify basic functionality and general compatibility with Solaris 2.4 x86.

**SCSI RAID Tape**

| Vendor | Model |
|---|---|
| ANDATACO | Rapid Tape Array |

**Uninterruptable Power Supplies (UPS)**

*The following UPS products have been tested in the vendor's labs. SunSoft has tested the software on selected models to ensure basic operation under Solaris 2.4 x86.*

APC Back-UPS 200
APC Back-UPS 280
APC Back-UPS 400
APC Back-UPS 450
APC Back-UPS 600
APC Back-UPS 900
APC Back-UPS 1250

APC Back-UPS Pro 280
APC Back-UPS Pro 420
APC Back-UPS Pro 650
APC Back-UPS Pro 1000
APC Back-UPS Pro 1400

APC Smart-UPS 250
APC Smart-UPS 400
APC Smart-UPS 600
APC Smart-UPS 900
APC Smart-UPS 1250
APC Smart-UPS 2000

## Motherboards

*These are individual motherboards that have been tested as components; see page 7 for a list of System Platforms.*

AIR 486ET VESA/EISA (Sis chipset)
AIR 54CEP (P-90/100)*
AIR 54CDP (2 x P-90/100)*

American Megatrends Titan-II PCI EISA (2 CPUs)*

AMI Voyager with 486DX2-66 CPU
AMI Super Voyager II VLB
AMI Enterprise III with 486DX2-66 CPU
AMI Enterprise IV

ASUS PCI/E-P54NP4 (2 CPUs P-90)*
ASUS PCI/I-486SP3G (DX33, SX, DX2-66, OverDrives)*
ASUS PCI/I-P54NP4 (Dual 2 x P-90)*
ASUS PCI/I-P54SP4 (P-75, 90, 100)*
ASUS PCI/I-P54TP4 (P-100)*
ASUS PCI/I-P55TP4 (Triton) (P-90)*
ASUS PCI/I-P5SP4 (P-60)*
ASUS PCI/I-P55TP4XE (P-90)*
ASUS PVI-486AP4 (486SX/DX/DX2)*
ASUS PVI-486SP3 (DX33, SX, DX2-66, OverDrives)*
ASUS VL/EISA-486SV1 (DX33, SX, DX2-66, OverDrives)*
ASUS VL/I-486SV2G (486SX/DX/DX2)*

DFI G586-VPM (P-90)*

DTK FEAT-39 (DX4-100)
DTK PKM0038e

GenoaTurbo Express 486VL
GenoaTurbo Express 586 PCI-4
GenoaTurbo Express 586VL

## Motherboards *(Continued)*

Intel Advanced/AL (Aladdin-Triton) (P-90)*
Intel Advanced/EV (Endeavor) (P-100)*
Intel Advanced/ZP (Zappa-Triton) (P-90)*
Intel ALTserver Altair (2 CPUs, P-100)*
Intel Extended Express (2 CPUs, P-100)*
Intel Extended Express (4 CPUs, P-100)*
Intel Premiere/PCI II Baby AT Board (sometimes referred to as Plato)[1]
Intel Xpress (2 CPUs, P-60)*
Intel Xpress (2 CPUs, P-66)*
Intel Xpress (2 CPUs, P-90)*

Micronics EISA 486DX (30, 50, 66 CPU)
Micronics EISA VLB 486DX (30, 50, 66 CPU)
Micronics EISA VLB 486DX2 (30, 50, 66 CPU)
Micronics ISA VLB 486DX2
Micronics JX30-WB (486DX4-100)*
Micronics LX30-WB (486SX33)*
Micronics M5Pe (P-66)*
Micronics M5Pi (P-66)*
Micronics M54Hi Triton (P-100)*
Micronics M54Pe (1 CPU P-90)*[2]
Micronics M54Pi (P-90 or P-75)*
Micronics M54Si (P-75)*
Micronics M54Si (P-90)*
Micronics M54Si (P-100)*
Micronics Mpower 4 plus (486DX2-66)*

Tulip TC32 (486DX2-66)*
Tulip TC40 (486DX2-66)*
Tulip TC42 (P-90)*
Tulip TC43 (P-90)*

VEGA 486F-3VL with Symphony SL1287, SL82C461, SL82C362 chipset and 486DX2-66 CPU

1. Only the version that uses Neptune-2 stepping of the PCI chipset has been tested and certified.

2. This is a dual processor system, but only works as a single processor system at this time.

*Entries marked with an asterisk (*) require the current Driver Update for proper operation.

| Video Display Adapters | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Resolution and Color Depth | | | | | | | | | |
| | | | | 800x600 | | 1024x768 | | 1152x900 | | 1280x1024 | | 1600x1200 | |
| **Vendor** | **Model** | **Bus** | **Chipset[19]** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** |
| Acer | ET4000/W32*[1] | ISA | ET4000/W32 | ✓ | | ✓ | | | | | | | |
| ALR | Flyer | VL | WD90C33 | | | ✓ | | | | | | | |
| AST | Manhattan 5090P[2] | int | Cirrus Logic 5424 | ✓ | | | | | | | | | |
| ATI | 8514 Ultra | ISA | ATI Mach8 | | | ✓ | | | | | | | |
| | GRAPHICS XPRESSION* | PCI | ATI Mach64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | GRAPHICS XPRESSION* | VLB | ATI Mach64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Graphics Pro Turbo* | PCI | ATI Mach64 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| | Graphics Pro Turbo* | VLB | ATI Mach64 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| | WINTURBO*[3] | PCI | ATI Mach64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | GRAPHICS ULTRA | ISA | ATI Mach8 | | | ✓ | | | | | | | |
| | GRAPHICS ULTRA+* | ISA | ATI Mach32 | ✓ | | ✓ | | | | | | | |
| | GRAPHICS ULTRA PRO* | ISA | ATI Mach32 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | GRAPHICS ULTRA PRO* | PCI | ATI Mach32 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | GRAPHICS ULTRA PRO* | VLB | ATI Mach32 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | VGA Wonder XL | ISA | ATI Mach8 | | | ✓ | | | | | | | |
| | VGA Wonder XL 24* | ISA | ATI Mach8 | | | ✓ | | | | | | | |
| Cirrus Logic | 5420 chipset w/512Kbyte DRAM | | | ✓ | | | | | | | | | |
| | 5424 chipset w/512Kbyte DRAM[2] | | | ✓ | | | | | | | | | |
| | 5428 chipset w/512Kbyte VRAM | | | ✓ | | | | | | | | | |
| | 5430 chipset | | | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | 5434 chipset | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| | 542*x* chipset | | | | | ✓ | | | | | | | |
| Compaq | QVision 1024/E* | EISA | TRITON | | | ✓ | | | | | | | |
| | QVision 1024/I | ISA | TRITON | | | ✓ | | | | | | | |
| | QVision 2000* | PCI | Matrox MGA-2 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | QVision 2000 (Rev. G) | PCI | Matrox MGA-3 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | ProLiant | int | Cirrus Logic 5420 | ✓ | | | | | | | | | |

| Video Display Adapters *(Continued)* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Resolution and Color Depth | | | | | | | | | |
| | | | | 800x600 | | 1024x768 | | 1152x900 | | 1280x1024 | | 1600x1200 | |
| **Vendor** | **Model** | **Bus** | **Chipset[19]** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** |
| Compaq, cont | ProSignia[4] | int | Cirrus Logic 5420 | ✓ | | | | | | | | | |
| CompuAdd | Hi-Res VGA | ISA | ET-4000 | | | ✓ | | | | | | | |
| DEC | DECpc XL 590 | int | Cirrus Logic 5428 | ✓ | | | | | | | | | |
| Dell | DE Series | ISA | ET-4000 | | | ✓ | | | | | | | |
| | M/ME Series | | S3 805 | | | ✓ | | | | | | | |
| | L Series | | ET4000/W32 | | | ✓ | | | | | | | |
| | L Series | | ET4000/W32i | | | ✓ | | | | | | | |
| | OptiPlex DGX 590* | int | ATI Mach64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | OptiPlex XMT 590 | int | S3 864 | | ✓ | ✓ | | ✓ | | ✓ | | | |
| | PowerEdge SP5*xx** | | ATI Mach32 | | | ✓ | | | | | | | |
| Diamond | SpeedStar Plus | ISA | ET4000 | | | ✓ | | | | | | | |
| | SpeedStar 24x | ISA | WD90C31 | | | ✓ | | | | | | | |
| | SpeedStar Pro/ SpeedStar Pro 1100 | ISA | Cirrus Logic 5426 | | | ✓ | | | | | | | |
| | SpeedStar 64/ SpeedStar 64 Graphics 2000XL Series* | ISA/ PCI | Cirrus Logic 5434 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Stealth VRAM | ISA | S3 911 | | | ✓ | | | | | | | |
| | Stealth Pro | ISA | S3 928 | | | ✓ | | | | | | | |
| | Stealth 24 | ISA | S3 801 | | | ✓ | | | | | | | |
| | Stealth 32* | PCI | ET4000/W32p | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Stealth 32* | VLB | ET4000/W32p | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Stealth 64 DRAM/ Stealth 64 Graphics 2000 Series* | PCI/ VLB | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Stealth 64 DRAM* | PCI | S3 Trio64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Stealth 64 VRAM* | PCI | S3 Vision 964 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Stealth 64 VRAM* | VLB | S3 Vision 964 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | Stealth Video DRAM Stealth 64 Video 2000 Series | PCI/ VLB | S3 868 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | ✓ | |

| Video Display Adapters *(Continued)* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Resolution and Color Depth | | | | | | | | | |
| | | | | 800x600 | | 1024x768 | | 1152x900 | | 1280x1024 | | 1600x1200 | |
| **Vendor** | **Model** | **Bus** | **Chipset**[19] | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** |
| Diamond, cont | Stealth Video VRAM/ Stealth 64 Video 3000*[5] Series: TI RAMDAC only | PCI | S3 968 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Viper PCI* | PCI | Weitek Power 9000 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | Viper VLB* | VLB | Weitek Power 9000 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | Viper Pro* | PCI | Weitek Power 9100 | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| | Viper Pro* | VLB | Weitek Power 9100 | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| | Viper SE*[6] | PCI | Weitek Power 9100 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| ELSA | Winner 1000* | VLB | S3 928 | ✓ | | ✓ | | ✓ | | | | | |
| | Winner 2000* | VLB | S3 928 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | Winner 1000Pro-VL*[7] | VLB | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Winner 2000Pro-PCI* | PCI | S3 Vision 964 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| | Winner 2000Pro-VL* | VLB | S3 Vision 964 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Everex | FIC 864P* | PCI | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | VGA Trio 64P | PCI | S3 Trio64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | ViewPoint 64P* | PCI | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| Genoa | SuperVGA 7000 | | | | | ✓ | | | | | | | |
| Hewlett-Packard | HP NetServer LC/LE/LF* | | TVGA 9000i | ✓ | | | | | | | | | |
| | HP Vectra VL2* | | Cirrus Logic 5428 | ✓ | | ✓ | | | | | | | |
| | HP Vectra XM2i* | | S3 Vision 864 | ✓ | | ✓ | | ✓ | | | | | |
| | HP Vectra XU*[8] | int | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| IBM | Easy Options (VC550)[9] | ISA | Cirrus Logic 5428 | | | ✓ | | | | | | | |
| | PC Series 300-486* | | Cirrus Logic 5430 | ✓ | | ✓ | | | | | | | |
| | PC Series 300* | | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | PC Series 700* | | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | PS/Valuepoint | | S3 805 | | | ✓ | | | | | | | |
| | PS/ValuePoint Performance Series* | | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | VGA[10] | ISA | IBM VGA | ✓ | ✓ | | | | | | | | |

**Video Display Adapters** *(Continued)*

| Vendor | Model | Bus | Chipset[19] | Resolution and Color Depth | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 800x600 | | 1024x768 | | 1152x900 | | 1280x1024 | | 1600x1200 | |
| | | | | 8 | 24 | 8 | 24 | 8 | 24 | 8 | 24 | 8 | 24 |
| IBM, cont | XGA | MCA | XGA | | | ✓ | | | | | | | |
| | XGA-2 | MCA | XGA-2 | | | ✓ | | | | | | | |
| Intel | Professional/GX High Resolution* | | ATI Mach32 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | Xpress VGA | | WD90C31 | | | ✓ | | | | | | | |
| Intergraph | TD-1*[11] | | S3 928 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | TD-2, TD-3; (G90)*[12] | PCI | Weitek Power 9000 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | G91*[13] | PCI | Weitek Power 9100 | | | ✓ | | | | ✓ | | ✓ | |
| | G95*[14] | PCI | STORM | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | ISMP (SMP 224)*[15] | | Cirrus Logic 5434 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| Matrox | MGA Impression* | VLB | Matrox MGA-1 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| | MGA Impression Plus* | PCI | Matrox MGA-3 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | MGA Millenium | PCI | STORM | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | MGA Ultima* | VLB | Matrox MGA-2 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | MGA Ultima Plus* | PCI | Matrox MGA-2 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | ✓ | |
| | MGA Ultima Plus 200* | PCI | Matrox MGA-2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Micronics | Mpower 4 plus | int | ATI Mach64 | ✓ | | ✓ | | | | | | | |
| Miro | miroCRYSTAL 20SD* | PCI | S3 864, S3 SDAC | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | miroCRYSTAL 20SD* | PCI | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | miroCRYSTAL 40SV* | PCI | S3 Vision 964 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | miroMagic | ISA | S3 86C805 | | | ✓ | | | | ✓ | | | |
| Nanao | EizoAccel AA51 | ISA | CHIPS F82C480 | | | ✓ | | | | ✓ | | | |
| | Nanao HA50/HL50 | ISA | S3 928 | | | ✓ | | | | ✓ | | ✓ | |
| | Nanao HA60 | ISA | S3 928 | | | ✓ | | | | ✓ | | ✓ | |
| Number Nine | #9GXE[16] | ISA | S3 928 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | #9GXE[16] | VLB | S3 928 | ✓ | | ✓ | | ✓ | | ✓ | | | |
| | #9GXE64* | PCI | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | ✓ | |
| | #9GXE64 Pro* | PCI | S3 Vision 964 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| | 9FX Motion 531 | PCI | S3 868 | ✓ | ✓ | | | ✓ | | ✓ | | | |

| Video Display Adapters *(Continued)* | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Resolution and Color Depth | | | | | | | | | |
| | | | | 800x600 | | 1024x768 | | 1152x900 | | 1280x1024 | | 1600x1200 | |
| **Vendor** | **Model** | **Bus** | **Chipset[19]** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** | **8** | **24** |
| Number Nine, | 9FX Motion 771 | PCI | S3 968 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| cont | Imagine 128* | PCI | Imagine128 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| | Vision330[17] | PCI | S3 Trio64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| Orchid | Fahrenheit 1280 | ISA | S3 924 | | | ✓ | | | | | | | |
| | Fahrenheit 1280 Plus | ISA | S3 801 | | | ✓ | | | | | | | |
| | Fahrenheit 1280 Plus* | VLB | S3 801 | ✓ | | ✓ | | | | | | | |
| | Fahrenheit VA | ISA | S3 801 | | | ✓ | | | | | | | |
| | Kelvin 64* | PCI | Cirrus Logic 5434 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Kelvin 64*[18] | VLB | Cirrus Logic 5434 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Prodesigner IIs | ISA | ET4000 | | | ✓ | | | | | | | |
| S3 | Trio64 chipset | | | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Vision 864+SDAC chipset* | | | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | Vision 868* | int | | ✓ | | ✓ | | ✓ | | ✓ | | | |
| SPEA | V7-Mirage P-64* | PCI | S3 868 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| STB | LIGHTSPEED VL* | VLB | ET4000/W32p | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | NITRO PCI* | PCI | Cirrus Logic 5434 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| | PowerGraph 64 | PCI | S3 Trio64 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| | PowerGraph ERGO | ISA | ET4000 | | | ✓ | | | | | | | |
| | PowerGraph PRO PCI* | PCI | S3 Vision 864 | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| Toshiba | J3100* | int | Western Digital 90C31A | ✓ | | ✓ | | | | | | | |
| Trident | TVGA 8900C | ISA | Trident | | | ✓ | | | | | | | |
| | TVGA 9000i* | | 8900C | ✓ | | | | | | | | | |
| Western Digital | Paradise Accelerator | ISA | WD90C31 | | | ✓ | | | | | | | |

1. The ET4000/W32 video cards that are shipped with Acer machines are not all the same; if you encounter any display problems when the OpenWindows environment is running, try using a different add-on board that is compatible with the Solaris operating environment.

2. Video adapters based on the Cirrus Logic 5424 chipset with 512-Kbyte DRAM may not perform well in 800x600x256 mode, particularly if the selected monitor refresh rate is 60 Hz or higher.

3. The ATI WINTURBO model is equivalent to the Gateway ATI GX Mach64 PCI video card.

4. The ProSignia 300 systems and some models of the ProSignia server systems with the Cirrus Logic 5424 graphics chip are not supported. However, they may work with the "Cirrus Logic 5424 (512k)" entry listed by the `kdmconfig` program.
5. For cards with 70ns VRAM or BIOS revision 1.01.
6. The Diamond Viper SE is not supported at 76, 80, and 85 Hz in the 1280x1024 resolution. The recommended refresh rate at this reolution is 64 Hz. See the Diamond Viper SE manufacturer's documentation for information on refresh rates .
7. The ELSA Winner 1000Pro with the ATT20C498 RAMDAC is supported.
8. Both the ST 1702 and the ATT21C498 RAMDAC are supported.
9. Select "Cirrus Logic" when configuring the display adapter during Solaris installation.
10. 640x480, 16 colors. Any 256-Kbyte or better VGA adapter supporting standard IBM mode 0x12 graphics. For VGA with 800x600 virtual screen, select "16 color, 640x480 VGA panning @800x600 (for experts only, see docs)" when configuring the display adapter during Solaris installation. **Warning:** This selection enables panning mode on a standard VGA. This video mode supports a virtual resolution of 800x600, but is only capable of physically displaying 640x480 pixels at a time. This may be a preferred mode to use on small screens, but the use of panning may require some training. See *x86 Device Configuration Guide* for more information.
11. To support 1152x900 or 1280x1024 resolution on the Intergraph TD-1 display adapter, you must select an interlaced monitor type when configuring the Solaris window system. Choose "Multifrequency 56KHz (up to 1280x1024 interlaced)" as the monitor type. See *Solaris 2.4 x86 Driver Update Guide* for more information.
12. To support the Intergraph G90 on a 20-inch monitor, select the graphics card "Diamond Viper with Intergraph 20-inch monitor" when configuring the Solaris window system.
13. The Intergraph G91 also supports a resolution of 1600x1280 for 8-bit color.
14. To support the Intergraph G95, select the graphics card "Matrox MGA Millenium" when configuring the Solaris window system.
15. To support the Intergraph ISMP, select the graphics card "Cirrus Logic GD5434" when configuring the Solaris window system.
16. The Number Nine #9GXE video display adapters (ISA and VESA local bus) support 24-bit color in 640x480 mode *only.*
17. Select "#9GXE 64 (Trio64)" when configuring the display adapter during Solaris installation.
18. Older versions of the Orchid Kelvin64 VLB card have memory addressing limitations that may cause problems if your system contains 32 Mbytes or more of RAM. See *Solaris 2.4 x86 Driver Update Guide* for further information.
19. The information in the chipset column does not guarantee that video boards made by another manufacturer using the same chipset will work. Only the specific models listed by Vendor, Model, Bus, and Chipset have been tested.

"int" in the Bus column indicates an integrated (on-board ) video controller

*Entries marked with an asterisk (*) require the current Driver Update for proper operation. See the beginning of this document for information about how you can obtain a Driver Update.

**Notebook Display Video Support (640x480, 256 colors)[1]**

Ambra SN425C[2]

AST PowerExec 4/33SL

Compaq LTE 4/25C
Compaq LTE 4/33C

Ergo Power Brick

IBM ThinkPad 750C
IBM ThinkPad 750 (with external monitor)

NEC Versa/33
NEC Versa/50
NEC Versa M75C
NEC Versa M75HC

Panasonic CF-V21P[2]

TI TravelMate 4000E TFT

Toshiba T3400
Toshiba T4400C
Toshiba T4600C
Toshiba T4700C
Toshiba T4800
Toshiba 4900CT

Twinhead Slimnote 486E

1. Note that almost any notebook can also be used with a 800x600 virtual screen.

2. Select "T3400ct,T4700ct,T4800ct,Twinhead 486E, ThinkPad 750: WD90C24 w/1Mb" when configuring the display adapter during Solaris installation.

**Notebooks With External Monitor Video Support (1024x768, or 800x600, 16 colors)**

AST PowerExec 4/33SL

IBM ThinkPad 750
IBM ThinkPad 750C

NEC Versa/50 (800x600 only)
NEC Versa M75C (also supported at 640x480**)**
NEC Versa M75HC (also supported at 640x480)

Toshiba 4900CT (also supported at 640x480)
Toshiba T4600C
Toshiba T4700C

**Note –** For a list of Notebook Computers that have been tested with the Solaris 2.4 operating environment, see page 14.

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