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.

The majority of the systems and peripherals listed in this document require the current Driver Update for proper operation in the Solaris environment.

Some systems appearing in this list 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.

How to Obtain Updated Hardware Compatibility Lists and Device Driver Information

Hardware Compatibility Lists and Driver Update releases (including related documentation) are produced periodically as support for new hardware becomes available. They are available from these sources:

- World Wide Web—Open URL `http://access1.Sun.COM`, and select "x86" and then "Solaris Intel (x86)."
- FTP—Use anonymous FTP to access `ftp.uu.net`, then go to `/vendor/sun/solaris/x86/2.4/`
- CompuServe—Type `go sunsoft` and go to the Solaris x86 library.

Note that the World Wide Web, CompuServe, and ASK-IT (below) also point to Support-provided installation and configuration information as well as answers to frequently asked questions.

Related Documentation Only

- Email Autoresponder—To obtain a Hardware Compatibility List or a Driver Update Announcement via email, send email to `hcl-index@Sun.COM` for a list of autoresponse aliases that return hardware support information.
- ASK-IT[1]—SunSoft's Automated Support Fax-on-Demand Service
  - In North America, call one of these numbers:
    1-800-SUNSOFT and choose options 4, 1, 1
    (310) 348-6219 and choose option 1
  - Outside North America, call one of these numbers and choose option 1:

Australia	61-2-844-5374
Japan	03-5717-2560
Taiwan	886-2-719-8069
United Kingdom	44-1276-677131

1. Includes the current Hardware Compatibility List, document No. 51201, which summarizes the current Driver Update, and document No. 81234, which lists *x86 Device Configuration Guide* Device Reference Pages so you can request those not available in Driver Updates.

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 technical 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]) Intel or compatible 486DX, 486DX2, 486SL, 486SX, 486DX4 Intel Pentium Intel Pentium Pro AMD 486DX2-66 AMD 486DX2-80 AMD 486DX4-100	16 Mbytes	• ISA • EISA • MCA • PCI • VLB	• IDE • E-IDE • SCSI	CD-ROM with a single boot diskette	Diskette drive *and* one of the following devices: • Local SCSI or ATAPI/IDE CD-ROM drive • Remote SCSI or ATAPI/IDE CD-ROM drive available over the network • 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 AcerPower Pentium-75 Desktop 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-120 (1 CPU config) ALR Revolution MP/133 (1 CPU config)
AMD Enhanced (486DX4-100)
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 P5133 12003AE (1 CPU) 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 Direct Affinity SE Austin Direct 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)

Single Processor Systems *(Continued)*
Compaq Deskpro 4/33i
Compaq Deskpro XE 450
Compaq Deskpro XE 560 (P-60)
Compaq Deskpro XL 466 (486DX2-66)
Compaq Deskpro XL 486 (486-66)
Compaq Deskpro XL 590 (P-90)
Compaq ProLiant 1500 (P-75)
Compaq ProLiant 1500 (P-133)
Compaq ProLiant 2000 (1 CPU, P-90)
Compaq ProLiant 4000 (1 CPU, P-90)
Compaq ProLiant 4500 (P-100)
Compaq ProLiant 5/133
Compaq ProLinea 4/33
Compaq ProLinea 575 (P-75)
Compaq ProLinea 6150E
Compaq ProSignia 300 (P-90)
Compaq ProSignia 500 (P-90)
CompuAdd C4100D Low Profile (486DX4-100)
CompuAdd 450
CompuAdd C450D
CompuAdd C450D Low Profile
CompuAdd C466D
CompuAdd C466D Low Profile (486DX2-66)
CompuAdd CP90p
CompuAdd CP90p-LX Low Profile
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 Dimension XPS 6150 (P6-150)
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 P133i" (P-133)
EIS Computers "The Developer P133s" (P-133)
Elonex PC-590-I
Everex Step DP (tested with 1 CPU, P-90)
Fujitsu FMV-466D (486DX2-66)
Fujitsu FMV-575D4L (P-75)
Fujitsu FMV-590D3 (P-90)
Fujitsu FMV-5100D4L (P-100)
Fujitsu ICL ErgoPro x450-90
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 P5-120 Tower
Gateway 2000 P5-100 (P-100)[6]
Gateway 2000 P5-100XL (P-100)[6]
Gateway 2000 P5-120 (P-120)[7]

Single Processor Systems *(Continued)*
GCH Systems EasyData 590 (P54C-90)
GCH Systems Aegis 466 (i486DX2-66)
GCH Systems Aegis 466ES (i486DX2-66)
GoldStar GT51P PCI (P-60)
Hitachi FLORA 1010DK (P-60)
Hitachi FLORA 1010DL
Hitachi FLORA 1010DM (P-100)
Hitachi FLORA 1010DN
Hitachi FLORA DS1 (P-75)
Hitachi FLORA DS1 (P-100)
Hitachi FLORA DS1 (P-133)
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 (with Matrox Video) (P-90)[10]
Hyundai Phantom Desktop (P-90)

Single Processor Systems *(Continued)*
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 6885-35H (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)[11] 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)
Infotel Ultra P5-75 PCI Infotel Ultra P5-90 PCI Minitower Infotel Ultra P5-100 PCI Infotel Ultra P5-120 PCI
Intel L486-Series Professional GX (486DX2-66) Intel Advanced ZE Mini-tower (P-100) Intel Advanced EV Pentium/100 Intel ALTserver Altair (P5-150) Intel ALTserver Altair (P5-666) Intel Pentium Pro Performance-AU Intel Pentium Pro Performance-AU ATX Intel Performance AU (P6-180) Intel Performance AU (P6-200) Intel Premiere/PCI LX (Plato) (P-90) Intel Xpress 486/DX33 Intel Xpress Pentium/60 Intel Xpress Pentium/90

Single Processor Systems *(Continued)*
Intergraph TD-1 (486DX266) Intergraph TD-2 (P-66) Intergraph TD-3 (P-90) Intergraph TD-30 (P-90)[12]
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 MT 6000 Tower (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)[13]
Micron 486PCI MAGNUM (486 DX4/100) Micron Home MPC (P-90) Micron Millennia 100 (P-100) Micron Millennia PLUS (P-133) Micron P90PCI PowerStation[14] Micron P90PCI PowerStation Mini-Tower, Plug and Play (P-90)
Midwest Micro P5-75 PCI Midwest Micro P5-100 PCI Midwest Micro P5-120 PCI Midwest Micro Minitower P5-90
NCR 3333 (486DX2/66)

Single Processor Systems *(Continued)*
Olivetti M4-82[15]
Olivetti M6-420
Olivetti M6-440[16]
Olivetti M6-450[16]
Olivetti M6-460[16]
Olivetti M6-640[5]
Olivetti M6-750[15,17]
Olivetti M6-760[15,17]
Olivetti M6-770[15,17]
Olivetti M6-850[1,5]
Olivetti M6-860[5]
Olivetti M6-880[5]
Olivetti SNX-140[1,5]
Olivetti SNX-160UP (P-90)
Omegabyte SolarSTATION 4 (P-90)
Omegabyte SolarSTATION 5 (P-100)
Omegabyte SolarSTATION 6 (P-120)
Omegabyte SolarSTATION 7 (P-133)
Packard Bell Axcel Series[18]
Packard Bell Executive Series[18]
Packard Bell Force Series[18]
Packard Bell Legend Series[18]
Packard Bell Pack-Mate Series[18]
Packard Bell PRO Series[18]
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)[19]
Samsung Magic Power SPC8500
Samsung Magic Power SPC8500 (P-133)
Samsung Magic Power SPC8500PA (P-133)
Samsung SWS 520/90 (P-90)
Samsung SWS 520/100 (P-100)
Samsung SWS 520/133 (P-133)
Siemens ANL Siix Server 1 (486 DX2-50)

Single Processor Systems *(Continued)*
Siemens Nixdorf AG PCD-5H (P-133 Desktop)
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)[20]
Siemens Nixdorf PCD-5H (P-90)
Siemens Nixdorf PCD-5T
Siemens Nixdorf PCE-5S
TAKAOKA Electric MiNT PC590d2 Desktop (P-90)
TAKAOKA Electric MiNT PC590t2 Tower (P-90)
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-Select PT (P-60)
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-Station GT 5100
Zenith Data Systems Z-Station GT 5120
Zenith Data Systems Z-Station GT 5133 (P-133)
Zenith Data Systems Z-Station VP (486DX4/100)
Zenith Data Systems Z-Station VP (P-90)
Zenith Data Systems Z-Station VP (P-100)
Zenith Data Systems Z-Station VP (P-120)
Zenith Data Systems Z-Station VP (P-133)
Zenith Data Systems Z-Server EX P90E Model 1000
Zenith Data Systems Z-Server EX P90E Model 1000A
Zenith Data Systems Z-Server LT 433DE Model 1000
Zenith Data Systems Z-Server LT 433DE Model 1000A
Zenith Data Systems Z-Server LT 450DE Model 1000
Zenith Data Systems Z-Server LT 450DE Model 1000A
Zenith Data Systems Z-Server LT 466XE Model 1000
Zenith Data Systems Z-Server LT P60E Model 1000
Zenith Data Systems Z-Server LT P60E Model 1000A
Zenith Data Systems Z-Server MX (P-100)
Zenith Data Systems Z-Server MX+Mylex (P-100)
Zenith Data Systems 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. This machine requires a patch to work when L2 cache is enabled.
12. PC Card support is planned for a future Driver Update.
13. 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.
14. 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.
15. Only tested with vendor's ATI Mach32 video option.
16. Integrated audio chip not currently supported.
17. Must set Adaptec SCSI BIOS to address cc000.
18. 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.
19. 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.
20. Built-in ATI video card currently only supported in 43-Hz mode.

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)

American Megatrends Titan-II PCI EISA (2 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 Direct 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)

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

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

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

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)

Elonex MT-5133-I (2 CPUs, P-133)

Everex Step DP (2 CPUs, P-90)

Hitachi FLORA 3010DV (2 CPUs, P-90)
Hitachi FLORA 3100BP (2 CPUs, P-90)
Hitachi FLORA 3100LP (8 CPUs, P-100)
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-MXT (2 CPUs, P-75)
IBM PC Server 320 Model 8640-OYT (2 CPUs, P-90)

Intel ALTserver (Altair) (2 CPUs, P-100)
Intel OEM Extended Xpress (4 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 ISMP32 (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)

Micron PowerServer SMP (P-90)
Micron PowerServer SMP (P-133)

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

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

Multiprocessor Systems (SMP)[1] *(Continued)*
Samsung SWS 520/90 (2 CPUs, P-90) Samsung SWS 520/100 (2 CPUs, P-100) Samsung SWS 520/133 (2 CPUs, P-133) Samsung Magic Power SPC 8500-P (2 CPUs, P-90) Samsung Magic Power SPC 8500-P (2 CPUs, P-100) Samsung Magic Power SPC 8500-P (2 CPUs, P-133)
Siemens Nixdorf PCD-5T/PCI90de (2 CPUs, P-90) Siemens Nixdorf AG PCD-5T (2 CPUs, P-100) Siemens Nixdorf 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)
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 Data Systems Z-Server EX DP66E Model 1000 (2 CPUs) Zenith Data Systems 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. Contact Tricord customer support at 1-800-TRICORD for information on how to obtain the latest release notes.
6. Must upgrade the system BIOS to V3.03.

Notebook Computers[1]
The following notebook computers have been certified for standard Solaris operation. Although some specific portable/nomadic computing capabilities have been provided in Solaris, not all of the features and devices found on these notebooks are currently supported. For information on this support, see the online document Solaris 2.4 x86 Notebook Supplement Guide. For specific device support, refer to the tables on PC Card/PCMCIA peripherals in this Hardware Compatibility List. Note that installation (booting) using PCMCIA devices is not currently supported.
Ambra SN425C[2,3]
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]
Tadpole 1000
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 DynaBook SS475 051CT (486DX4-75) Toshiba DynaBook SS475-JP 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 Data Systems Z-Note[3] Zenith Data Systems 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 (or later) 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.

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 AHA-1520A AHA-1522A AHA-1530P/1532P AHA-1540B/1542B AHA-1540C/1542C AHA-1540CF/1542CF AHA-1540CP/1542CP AHA-1640/1642 AHA-1740/1742A AHA-2740/2742 AHA-2740-T/2742-T AHA-2740A/2742A AHA-2740A-T/2742A-T AHA-2740W AHA-2840A/2842A AHA-2840VL/2842VL AHA-2940/2940W AHA-2940U/2940UW AHA-3940/3940W (PCI) AIC-6260 AIC-6360 AIC-7770, AIC-7770 Rev. E AIC-7850 AIC-7870

SCSI Host Bus Adapters *(Continued)*

Vendor	Model
Adaptec, cont.	The EISA SCSI Master II The PCI SCSI Master Kit The PCI Ultra Wide SCSI Master Kit The SCSI Bus Master Host Adapter Kit The SCSI Channel The SCSI Direction The SCSI Master Kit The SCSI Micro Channel Host Adapter Kit The VL SCSI Master
AMD	PCscsi PCscsi II PCnet-SCSI
BusLogic	BT-440C (VLB) BT-445C (VLB) BT-445S (VLB) BT-542B (ISA) BT-545C (ISA) BT-545S (ISA) BT-742A (EISA) BT-746C (EISA) BT-747C (EISA) BT-747S (EISA) BT-757S (EISA) BT-946C (PCI) BT-956C (PCI)
Compaq	32-bit Fast-SCSI-2 (NCR 53C710) 32-bit Fast-Wide SCSI-2/P Integrated 32-bit Fast-SCSI-2 (NCR 53C710) Integrated 32-bit Fast-SCSI-2/P Integrated 32-bit Fast-Wide SCSI-2/E Integrated 32-bit Fast-Wide SCSI-2/P
Creative Labs	Sound Blaster 16 SCSI-2

SCSI Host Bus Adapters *(Continued)*

Vendor	Model
DPT	PM-2011 PM-2012B PM-2021 PM-2022 PM-2022 PM-2124 PM-2124
DTC	DTC-3130 (PCI)[1]
Hitachi	PC-CS7210 (PCI)
IBM	PS/2 Micro Channel SCSI SCSI-2 Fast/Wide Adapter/A
Intel	PCISCSI (NCR 53C825)[2] PCISCSINR (NCR 53C810)
P.E. Logic Corp	PEL-1620
Siemens Nixdorf	PCE-5S (NCR 53C710)
Symbios Logic	NCR 53C810 NCR 53C815 NCR 53C820[2] NCR 53C825[2]
Trantor	T348 MiniSCSI Plus Parallel
Tricord	Intelligent SCSI Subsystem Controller

1. This adapter does not have the SDMS BIOS on board. It should be used only on a system that contains the SCSI BIOS as part of its main system BIOS..
2. Wide SCSI not yet supported in Solaris driver.

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 SmartRAID PM-3224
HP	HP Disk Array/HP Disk System
IBM	SCSI-2 RAID Adapter (MCA) SCSI-2 Fast/Wide Streaming-RAID Adapter/A (PCI & MCA)
Mylex	DAC960 DAC960P (PCI)

Solid State SCSI Disk Devices

Vendor	Model
Imperial Technology	MegaRam (268 MB version)

CD-ROM Drives

Vendor	Model	Type
Chinon	CDS-435 CDS-525 CDS-535[1]	SCSI SCSI SCSI
Digital Storage	8422IDE	ATAPI/IDE
Goldstar	GCD-R320B GCD-R520B	SCSI ATAPI/IDE
Hitachi	CDR-1900S CDR-3750 CDR-6750	SCSI SCSI SCSI
Lion Optics	XC200SI	SCSI

CD-ROM Drives *(Continued)*

Vendor	Model	Type
LMSI	CM214	SCSI
	CM215	SCSI
Mitsumi	CRMC-FX001DE	ATAPI/IDE
	CRMC-FX400	ATAPI/IDE
NEC	MultiSpin 2Vi	ATAPI/IDE
	MultiSpin 3Xe[2]	SCSI
	MultiSpin 3Xi[2]	SCSI
	MultiSpin 4Xe[1, 2]	SCSI
	MultiSpin 4Xi[1, 2]	SCSI
	MultiSpin 6Xi	SCSI
	MultiSpin 3Xp Plus	SCSI
	Intersect CDR-74	SCSI
	Intersect CDR-84	SCSI
	CDR-210[2]	SCSI
	CDR-211	SCSI
	CDR-250	ATAPI/IDE
	CDR-260	ATAPI/IDE
	CDR-260R	ATAPI/IDE
	CDR-271	ATAPI/IDE
	CDR-272 Rev. 4.15	ATAPI/IDE
	CDR-510	SCSI
Panasonic	LK-MC509S	SCSI
	LK-MC579B	ATAPI/IDE
Panasonic/ Matsushita	CR-572B	ATAPI/IDE
Philips	CM207	ATAPI/IDE
	CM215	SCSI
	CM425A	SCSI
Pioneer	DRM-604X[1, 3]	SCSI
Plextor	DM3028	SCSI
	PX-43CE (4.5 Plex)	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

CD-ROM Drives *(Continued)*

Vendor	Model	Type
Reveal	4X Internal	ATAPI/IDE
Sanyo	CRD-254P	ATAPI/IDE
	CDR-400I	SCSI
	CDR-H93RMV	SCSI
Sanyo-TORiSAN	CDR-S1G	ATAPI/IDE
Sony	CDU-55E	ATAPI/IDE
	CDU-55S[4]	SCSI
	CDU-76E	ATAPI/IDE
	CDU-76S	SCSI
	CDU-77E	ATAPI/IDE
	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
	TXM-3701	SCSI
	XM-3501B	SCSI
	XM-3601B	SCSI
	XM-5302B	ATAPI/IDE
Wearnes	CDD-120[5]	ATAPI/IDE

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.

CDR CD-ROM Writers/Recorders

Vendor	Model
Young Minds Inc.	CD STUDIO with Kodak PCD Writer 200[1]

1. Vendor supplies CDR software. Old version for Solaris 2.1 works correctly in command-line mode. GUI does not yet operate on Solaris 2.4 or 2.5.

Audio Devices

Vendor	Model
Creative Labs	Sound Blaster 16 Sound Blaster 16 SCSI-2 Sound Blaster AWE32 Sound Blaster Pro

Telephone Call Processing		
Vendor	**Model**	**Description**
Dialogic Corporation[1]	D/21D	2 POTS lines voice and tone recognition
	D/4D	4 POTS lines voice and tone recognition
	D/41E	4 POTS lines
	D/121A	12-port voice and tone recognition, and processing board
	D/121B	12-port voice and tone recognition, and processing board
	D/240SC	24-channel voice store and forward
	D/320SC	32-channel voice store and forward
	D/240SC-T1	32-channel voice store and forward, with T-1
	FAX/40	Fax daughtercard, 4 channel, for D/41
	FAX/120	12-channel Fax for D/121 boards
	VR/40	Multiline speech recognition daughterboard, 4 port
	VR/121	Multiline speech recognition daughterboard, 12 port
	VR/160	Multiline speech recognition daughterboard, 16 port
	VR/160C	Multiline speech recognition daughterboard, 16 port
	DTI/211	Digital Trunk Interface, North American T-1
	DTI/212	Digital Trunk Interface, European E-1
	LSI/120	Loop Start Interface board
	LSI/180	Loop Start Interface board
	DMX	Digital Multiplexor Expansion boards
	MSI	Modular Station Interface board, 24 port

1. Device driver software and support is supplied by the vendor.

Multiport Serial Adapters

Vendor	Model
Aurora[1]	401A (ISA 4 Port)
CHASE[1]	IOPRO (ISA 8 Port)
COMPUTONE[1]	IntelliServer SVR-16DB (16 Port)
COMTROL[1]	Rocketport (16 Port)
DigiBoard[1]	PC/Xem (ISA, EISA) EPC/X (ISA, EISA) C/X2 (ISA, EISA) PC/8eVe AccelePort (ISA)
MILAN[2]	FastPort 3100CX PrintServer FastPort 3200C PrintServer FastPort 3400C PrintServer
Moxa[1]	MOXA-C218 (ISA 8 Port) MOXA-C320 (ISA 32 Port)
Specialix[1]	SI/8 AT 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
3Com	EtherLink II, II/16 (3C503, 3C503-16) EtherLink 16, 16TP (3C507, 3C507-TP) EtherLink III (3C509, 3C509B, 3C529, 3C579) EtherLink III PCMCIA (3C589, 3C589B)
Accton	EN1625 (ISA) EtherCombo-16 (ISA)[1]
Allied Telesis	AT-1500AT-Plus (ISA) AT-1500BT-Plus (ISA)
Alta	EtherCombo-16 T/C (ISA)[1, 2]
AMD	PCnet-ISA controller chip PCnet-PCI controller chip
Asante	AsanteFAST 10/100
Cabletron	E-2210 (ISA)
CNet	CN970EBT (PCI)
Cogent	EM100 (PCI) EM110TX (PCI)[3] EM960C (PCI)[4] EM960TP (PCI)
Compaq	Netflex-2 DualPort ENET Netflex-2 ENET-TR Controller
Compex	ENET32-PCI
D-Link	DE-510CT (VLB) DE-530CT (PCI)[4]
Intel	EtherExpress FlashC (PCLA8105) EtherExpress16 (PCLA8110) EtherExpress16 TP (PCLA8120) EtherExpress16C (PCLA8100) EtherExpress MCA (MCLA8110) EtherExpress MCA TP (MCLA8120) EtherExpress 32 EtherExpress Flash32 (82596) EtherExpress PRO EtherExpress PRO/100 (82556)

Network Adapters—Ethernet *(Continued)*	
Vendor	**Name/Model**
Kingston	KNE-2000T+ (ISA)[2] KNE-2002+ (ISA)[2] KNE-2031+ (ISA)[2] KNE-2121+ (ISA) KNE-2121H (ISA)
Microdyne	NE2000 (ISA)
Mitron	LX2100p (PCI)
National Semicond.	Infomover NE2000 Plus (ISA)[2]
Novell/ Eagle Tech.	NE2000 (ISA) NE2000 Plus (ISA)[2] NE3200 (EISA)
Olicom	EtherCom ISA/II[2]
Racal Interlan	ES3210/ES3210 TP Ethernet[5] PCI T2-STR
Samsung	SEB-3000C (PCI)
SMC	Elite32C Ultra (EISA) Ether 10/100 (9232) (EISA) EtherCard PLUS (8003) EtherCard PLUS Elite (8013) EtherCard PLUS Elite16 (8013) EtherCard Elite16 Ultra (8216) EtherCard Elite32T (8033T) EtherEZ (8416) EtherPower 8432BT/8432BTA (21040) (PCI)[4] EtherPower 8432BT/8432BTA (21041) (PCI)[4] EtherPower (9332) (PCI)[6]
SVEC	FD0421-P Rev. A-1 (ISA) FD0455 EtherBoard-PCI NE2100 (ISA)
Thomas Conrad	NE2000 (ISA)
Unisys	EISA Ethernet controller (Intel 82596) U6000/DT2 integrated Ethernet controller (Intel 82596)
Xircom	Pocket Ethernet Adapter III (PE3)
Znyx	EtherAction ZX312 (PCI)[4] EtherXtend ZX342 10/100 (PCI)[6]

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. 100 Mbps only: 10 Mbps operation is not supported on the EM110TX under the current Driver Update.
4. AUI medium is not supported currently. BNC medium is not available during initial network installation. Refer to the “DEC 21040, 21041, 21140 Ethernet” device configuration page in the current *Solaris 2.4 x86 Driver Update Guide* for additional information.
5. 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.
6. 10 Mbps operation is not available during initial network installation. Refer to the “DEC 21040, 21041, 21140 Ethernet” device configuration page in the current *Solaris 2.4 x86 Driver Update Guide* for additional information.

Network Adapters—Fast Ethernet

Vendor	Name/Model
Asante	AsanteFAST 10/100
Cogent	EM100 (PCI) EM110TX (PCI)[1]
Intel	EtherExpress PRO/100 (82556)
SMC	Ether 10/100 (9232) (EISA) EtherPower 10/100 (9332) (PCI)[2]
Znyx	EtherAction ZX312 (PCI)[3] EtherXtend ZX342 10/100 (PCI)[2]

1. 100 Mbps only: 10 Mbps operation is not supported on the EM110TX under the current Driver Update.
2. 10 Mbps operation is not available during initial network installation. Refer to the "DEC 21040, 21041, 21140 Ethernet" device configuration page in the current *Solaris 2.4 x86 Driver Update Guide* for additional information.
3. AUI medium is not supported currently. BNC medium is not available during initial network installation. Refer to the "DEC 21040, 21041, 21140 Ethernet" device configuration page in the current *Solaris 2.4 x86 Driver Update Guide* for additional information.

Network Adapters—FDDI

Vendor	Name/Model
Cabletron	F-7069

Network Adapters—Token Ring

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

High-Speed Networking

Vendor	Name/Model
ADAX[1]	APC-EIX T-1 Network Interface Board (EISA)

1. Driver software and support for this device are available directly from the vendor.

PC Card (PCMCIA)—Adapters

Vendor	Name/Model
Cirrus Logic	PD6710/PD6720
Intel	82365SL
Ricoh	RF5C366
Toshiba	
Vadem	VG365/VG465/VG468/ VG469

PC Card (PCMCIA)—Add-On Boards

Vendor	Name/Model
Hytec	HCD 22
SCM Microsys.	SwapBox Classic 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) RediCard Version 2 (V.32bis/V.42/V.42bis Fax/Data)
Hayes	Optima 144
IBM	24TTMOD-W14 (14.4 Data/Fax) 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) XJ114 (V.32bis/V.42/V.42bis Fax/Data) XJ124FM (V.32bis/V.42/V.42bis Fax/Data) XJ214 (V.32bis/V.42/V.42bis Fax/Data) 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 NB70-004269 NB70-004270
IBM	0.5 MB SRAM Card 1 MB SRAM Card 0933155 (2 MB SRAM)
Magic Ram	SR1MBP100 SR2MBP100
Mitsubishi	MF3513-L5DAT MF31M1-L5DAT MF32M1-L5DAT
SMART Modular Technologies	SM9SRD512KP3 SM9SRD1MP3 SM9SED2MP3 SM9SRDA1MP3 SM9SRDA2MP3

Pointing Devices

Vendor	Model
Alps Electric	Glidepoint, version 100797-00
Appoint	Thumbelina[1] MousePen Pro[1]
CH Products	RollerMouse
Dyna Point	DynaTrak[1]
IBM	PS/2 2-button Easy Options Mouse[1]
Interlink	PortaPoint[1]
Kraft Systems	MicroTrack[1]
Logitech	C7 serial and bus mouse devices C9 serial and bus mouse devices 2-Button[1] MouseMan serial and bus mouse devices MouseMan cordless TrackMan serial and bus mouse devices
Microsoft	Serial, bus, and PS/2 mouse devices
MicroSpeed	MicroTRAC trackball
Mouse Systems	Mouse! New Mouse PC Mouse II

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

Tape Drives—SCSI[1]

Vendor	Model
Archive	2150S 150 MB 2525 QIC-525 Python 28454 4mm Viper
Exabyte	EXB-4200 4mm EXB-8200 EXB-8500 EXB-8505 8mm
HP	Colorado Memory Systems PowerTape 1100 QIC Colorado Memory Systems PowerTape 2400 QIC Colorado Memory Systems PowerTape 4000 QIC Colorado Memory Systems PowerDAT 6000 4mm 35470A DDS 4mm 35480A DDS/Data Compression 4mm C1533-00100 DDS2/Data Compression 4mm C1534A DDS Tape Drive 4mm C1536A DDS/Data Compression 4mm C1520E JetStore 2000e 4mm C1520E JetStore 2000i 4mm JetStore 5000e 4mm C1526E JetStore 5000i 4mm C1529A JetStore 5000i 4mm C1528E 4mm

Tape Drives—SCSI[1] *(Continued)*

Vendor	Model
HP, cont	C1520F SureStore Tape 2000e 4mm C1525F SureStore Tape 2000i 4mm C1521F SureStore Tape 5000e 4mm C1526F SureStore Tape 5000i 4mm C1551A SureStore Tape 5000eU 4mm C1529F SureStore Tape 6000e 4mm C1528F SureStore Tape 6000i 4mm C1552A SureStore Tape 6000eU 4mm
Sony	SDT-5000 4mm SDT-5200 4mm
Sun Microsystems	x660A 150 MB QIC x814A 5.0 GB 8mm x822A 4mm x6101A 2.5 GB QIC SCSI x6102A 2.5 GB QIC SCSI x6103A 2.5 GB QIC SCSI
Tandberg	Panther 525S TDC 3820 TDC 4120 TDC 4220 TDC 4222
WangDAT	3400DX DDS-2 4mm
Wangtek	51000 QIC 5525ES QIC 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 Atlas PCI (P-100)
AMI Voyager with 486DX2-66 CPU
AMI Super Voyager PCI
AMI Super Voyager II VLB
AMI Titan II (2 CPUs, P-90)
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)[1]
ASUS PVI-486SP3 (DX33, SX, DX2-66, OverDrives)[1]
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/ATX
Intel Advanced/EV (Endeavor) (P-100)
Intel Advanced/ZE Minitower (P-100)
Intel Advanced/ZP (Zappa-Triton) (P-90)
Intel Altair (2 CPUs, P-100)
Intel ALTserver Altair (P5-150)
Intel ALTserver Altair (P5-666)
Intel ALTserver Altair (2 CPUs, P-100)
Intel Extended Express (2 CPUs, P-100)
Intel Extended Express (4 CPUs, P-100)
Intel Performance AU (P6-180)
Intel Performance AU (P6 -200)
Intel Premiere PCI II Baby AT Board (P-90) (sometimes referred to as Plato)[2]
Intel Premiere PCI II (P-100)
Intel Xpress (2 CPUs, P-60)
Intel Xpress (2 CPUs, P-66)
Intel Xpress (2 CPUs, P-90)

Motherboards *(Continued)*
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 LPH54 (P-75) Micronics LPH54 (P-90) Micronics LPH54 (P-100) Micronics LPH54 (P-120) Micronics LPH54 (P-133) Micronics LX30-WB (486SX33) Micronics M5PE (P-66) Micronics M5PI (P-66) Micronics M54HI Plus (P-90) Micronics M54HI Plus (P-100) Micronics M54HI Plus (P-120) Micronics M54HI Plus (P-133) Micronics M54HI Plus (P-150) Micronics M54HI Plus (P-166) Micronics M54HI Triton (P-100) Micronics M54PE (1 CPU, P-90)[3] Micronics M54PE (1 CPU, P-100) Micronics M54PE (1 CPU, P-133) Micronics M54PE (2 CPUs, P-90) Micronics M54PE (2 CPUs, P-100) Micronics M54PI (P-90 or P-75) Micronics M54SI (P-75) Micronics M54SI (P-90) Micronics M54SI (P-100) Micronics M54LI-1B (P-90) Micronics M54LI-1B (P-133) Micronics Mpower 4 plus (486DX2-66)
SuperMicro P55CMS
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. This board does not work properly with various PCI SCSI controllers, such as the Adaptec 2940. It is not recommended for use with a SCSI controller.
2. Only the version that uses Neptune-2 stepping of the PCI chipset has been tested and certified.
3. This is a dual processor system, but only works as a single processor system at this time.

Video Display Adapters

Vendor	Model	Bus	Chipset[21]	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				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]	—	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	✓		✓		✓		✓			
	Mach64	—	ATI Mach64	✓		✓							
	Mach64CT	—	ATI Mach64CT	✓	✓	✓		✓		✓			
	Mach64CT Rev.2	—	ATI Mach64CT	✓	✓	✓		✓		✓			
	VGA Wonder XL	ISA	ATI Mach8			✓							
	VGA Wonder XL 24	ISA	ATI Mach8			✓							
Boca	Voyager 64[4]	PCI	S3 Trio64	✓	✓	✓		✓		✓			
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			✓							

Video Display Adapters *(Continued)*

Vendor	Model	Bus	Chipset[21]	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
Compaq, cont	QVision 1024/I	ISA	TRITON			✓							
	QVision 1280 chipset[5]	EISA	ORION	✓	✓	✓		✓		✓			
	QVision 2000	PCI	Matrox MGA-2	✓	✓	✓		✓		✓			
	QVision 2000 (Rev. G)	PCI	Matrox MGA-3	✓	✓	✓		✓		✓			
	ProLiant	—	Cirrus Logic 5420	✓									
	ProSignia[6]	—	Cirrus Logic 5420	✓									
	ProSignia 300	—	Cirrus Logic 8424	✓									
CompuAdd	Hi-Res VGA	ISA	ET-4000			✓							
DEC	DECpc XL 590	—	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	—	ATI Mach64	✓	✓	✓		✓		✓			
	OptiPlex XMT 590	—	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	✓	✓	✓		✓		✓			

Video Display Adapters *(Continued)*

Vendor	Model	Bus	Chipset[21]	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
Diamond, cont	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 Vision 868	✓	✓	✓		✓		✓		✓	
	Stealth64 Video 2001	PCI	S3 Vision 765	✓	✓	✓		✓		✓			
	Stealth Video VRAM/ Stealth 64 Video 3000[7] Series: TI RAMDAC only	PCI	S3 Vision 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[8]	PCI	Weitek Power 9100	✓		✓		✓		✓			
ELSA	Winner 1000	VLB	S3 928	✓		✓		✓					
	Winner 2000	VLB	S3 928	✓		✓		✓		✓			
	Winner 1000Pro-VL[9]	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	✓		✓		✓					

Video Display Adapters *(Continued)*

Vendor	Model	Bus	Chipset[21]	Resolution and Color Depth: 800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
Hewlett-Packard, cont.	HP Vectra XU[10]	—	S3 Vision 864	✓	✓	✓		✓		✓			
IBM	Easy Options (VC550)[11]	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[12]	ISA	IBM VGA	✓	✓								
	XGA	MCA	XGA			✓							
	XGA-2	MCA	XGA-2			✓							
Intel	Professional/GX High Resolution		ATI Mach32	✓		✓		✓		✓			
	Xpress VGA		WD90C31			✓							
Intergraph	TD-1[13]		S3 928	✓		✓		✓		✓			
	TD-2, TD-3; (G90)[14]	PCI	Weitek Power 9000	✓		✓		✓		✓			
	G91[15]	PCI	Weitek Power 9100			✓				✓		✓	
	G95[16]	PCI	STORM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ISMP (SMP 224)[17]		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	—	ATI Mach64	✓		✓							
Miro	miroCRYSTAL 20SD	PCI	S3 864, S3 SDAC	✓	✓	✓		✓		✓			
	miroCRYSTAL 20SD	PCI	S3 Vision 864	✓	✓	✓		✓		✓			
	miroCRYSTAL 40SV	PCI	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓			

Video Display Adapters *(Continued)*

Vendor	Model	Bus	Chipset[21]	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
Miro, cont.	miroMagic	ISA	S3 86C805			✓				✓			
Nanao	EizoAccel AA51	ISA	CHIPS F82C480			✓				✓			
	Nanao HA50/HL50	ISA	S3 928			✓				✓		✓	
	Nanao HA60	ISA	S3 928			✓				✓		✓	
Number Nine	#9GXE[18]	ISA	S3 928	✓		✓		✓		✓			
	#9GXE[18]	VLB	S3 928	✓		✓		✓		✓			
	#9GXE64	PCI	S3 Vision 864	✓	✓	✓		✓		✓		✓	
	#9GXE64 Pro	PCI	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓		✓	
	9FX Motion 531	PCI	S3 Vision 868	✓	✓			✓		✓			
	9FX Motion 771	PCI	S3 Vision 968	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Imagine 128	PCI	Imagine128	✓	✓	✓	✓	✓	✓	✓		✓	
	Vision330[19]	PCI	S3 Trio64	✓	✓	✓		✓		✓			
Oak Technology	OTI107	PCI	OTI107	✓	✓	✓		✓		✓			
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[20]	VLB	Cirrus Logic 5434	✓	✓	✓		✓		✓			
	Prodesigner IIs	ISA	ET4000			✓							
S3	Trio64 chipset	—	S3 Trio64	✓	✓	✓		✓		✓			
	Trio64V+ chipset	—	S3 Trio64V+	✓	✓	✓		✓		✓			
	Vision 864+SDAC chipset			✓	✓	✓		✓		✓			
	Vision 868	—	S3 Vision 868	✓		✓		✓		✓			
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	✓	✓	✓		✓		✓			
STB, cont.	Powergraph 64 Video	PCI	S3 Trio64V+	✓	✓	✓		✓		✓			

Video Display Adapters *(Continued)*

Vendor	Model	Bus	Chipset[21]	Resolution and Color Depth: 800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	PowerGraph ERGO	ISA	ET4000			✓							
	PowerGraph PRO PCI	PCI	S3 Vision 864	✓	✓	✓		✓		✓			
Toshiba	J3100	—	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. To support the Boca Voyager 64, select the graphics card "Trio64 (2 MB)" when configuring the Solaris window system.
5. Used on Compaq QVision 1280/E Graphics Controller and in Compaq Deskpro 590.
6. 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.
7. For cards with 70ns VRAM or BIOS revision 1.01.
8. 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 .
9. The ELSA Winner 1000Pro with the ATT20C498 RAMDAC is supported.
10. Both the ST 1702 and the ATT21C498 RAMDAC are supported.
11. Select "Cirrus Logic" when configuring the display adapter during Solaris installation.
12. 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.
13. 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.
14. 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.
15. The Intergraph G91 also supports a resolution of 1600x1280 for 8-bit color.
16. To support the Intergraph G95, select the graphics card "Matrox MGA Millenium" when configuring the Solaris window system.
17. To support the Intergraph ISMP, select the graphics card "Cirrus Logic GD5434" when configuring the Solaris window system.
18. The Number Nine #9GXE video display adapters (ISA and VESA local bus) support 24-bit color in 640x480 mode *only*.
19. Select "#9GXE 64 (Trio64)" when configuring the display adapter during Solaris installation.
20. 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.

21. 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.

"—" in the Bus column indicates a video controller model that is used on video display adapters and motherboards..

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 15.