Intel® Server Board SE7520AF2

Tested Hardware and Operating System List

Revision History

Date	Revision Number	Modifications
August 2004	0.9	1st release.
September 2004	1.0	Added newly passed adapters and peripherals.
October 2004	1.1	Added newly passed adapters and peripherals.
October 2004	1.2	Added SA(similar adapters) into "Adapters and Peripherals" list and SD(Similar Drives) into "Hard Disk Drive" list.
November 2004	1.3	Removed SRCU42X Red Hat Enterprise Linux 3.0 support.
December 2004	1.4	Added 5 new Operating Systems into section 3.1
December 2004	1.5	Added new hard disk drives
December 2004	1.6	Removed Emulex* LP9802DC support under Novell NetWare* 6.5.
February 2005	1.7	Updated section 3
March 2005	1.8	Added Maxtor* SCSI drives. Added Sony* tape drives. Added section 6.5.
May 2005	1.9	Added Hitachi* SCSI drives. Added Seagate* SCSI drives.
January 2006	1.10	Added 3 Intel* RAID cards.
February 2006	2.0	Test on new configuration. Added EM64T OS, SuSE Linux Enterprise Server 9, new adapters and drives.

Disclaimers

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1.   Introduction

This document is intended to provide users of the Intel® server board SE7520AF2 with a guide to the different operating systems, adapter cards, and peripherals tested by Intel on this platform.

This document will continue to be updated as new add-in cards, peripherals, and operating systems are tested until the Intel server board SE7520AF2 is no longer in production. Each new release of the document will present updated information as well as continue to provide the information from previous releases.

Intel will only provide support to those add-in cards and peripherals under the specified system configuration (System BIOS and firmware) and operating systems and versions to which they were tested.

1.1   Test Overview

Testing performed on the Intel server board SE7520AF2 is classified under two separate categories: Basic Installation Testing, and Adapter / Peripheral Compatibility and Stress Testing.

1.1.1   Basic Installation Testing

Basic installation testing is performed with each supported operating system. Basic installation testing validates that the server board can install the operating system and that the base hardware feature set is functional. A small set of peripherals is used for installation purposes only. No add-in adapter cards are tested. Testing includes network connectivity and running of proprietary and industry standard test suites.

> The latest version of an operating system signifies the latest supported version at the time of the actual test run. Each new release of this document may have a newly supported release of a given operating system. Previous releases of a supported operating system may not be tested beyond the basic installation test process.

1.1.1.1   Support Commitment for Basic Installation Testing

Intel commits to provide the following level of customer support for operating systems that receive only basic installation testing:

- Intel will provide and test operating system drivers for each of the server board's integrated controllers, provided that the controller vendor has a driver available upon request. Vendors will not be required by Intel to develop drivers for operating systems that they do not already support. This may limit the functionality of certain server board integrated controllers.
- Intel will support customer issues that involve installation and/or functionality of operating system with the server board's integrated controllers only if a driver has been made available from Intel.
- Intel will NOT provide support for issues related to use of any add-in adapters or peripherals installed in the server system when an operating system that received basic installation testing only is in use.

- Support is defined as assistance in root causing issues, and determining a customer acceptable resolution to the issue associated with the operating system. The resolution may include, but is not limited to, on-board controller driver changes, engaging the vendor for resolution, BIOS changes, firmware changes, or determining a customer acceptable workaround for the issue.

1.1.2   Adapter / Peripheral Compatibility and Stress Testing

Adapter / Peripheral Compatibility and Stress testing is performed only on the most current release of a supported operating system at the time of a given validation run. The Adapter / Peripheral Compatibility and Stress testing process consists of three areas: Base Platform, Adapter Compatibility, and Stress.

Base Platform: Each base platform will successfully install a given operating system, successfully run a disk stress test, and successfully run a network stress test.

Adapter Compatibility: Adapter compatibility validation (CV) testing uses test suites to gain an accurate view of how the server performs with a wide variety of adapters under the primary supported operating systems. These tests are designed to show hardware compatibility between the cards and the server platform and include functional testing only. No heavy stressing of the systems or the cards is performed for CV testing.

Stress Testing: This test sequence uses configurations that include add-in adapters in all available slots, (depending on chassis used) for a minimum 72-hour test run without injecting errors. Each configuration passes an installation test, a Network/Disk Stress test, and tape backup test. Any fatal errors that occur will require a complete test restart.

1.1.2.1   Support Commitment for Adapter / Peripheral Compatibility and Stress Testing

Intel commits to provide the following level of customer support for operating systems that receive Adapter / Peripheral Compatibility and Stress testing:

- Intel will provide support for customer issues with these operating systems involving installation and/or functionality of the server board with or without the adapters and peripherals listed in this document as having been tested under the particular operating system.
- Support is defined as assistance in root causing issues, and determining a customer acceptable resolution to the issue associated with the operating system. The resolution may include, but is not limited to, on-board controller driver changes, engaging the vendor for resolution, BIOS changes, firmware changes, or determining a customer acceptable workaround for the issue.
- Intel will provide and test operating system drivers for each onboard video, network, and storage controller.
- Intel will enable vendors to provide driver support for add-in adapters using these operating systems.
- Intel will go through some of the steps to achieve certification to ensure its customers do not run across any problems, but the actual certification is the responsibility of the individual customer.

For operating systems, adapter cards, and peripherals not listed in this document, there is no support commitment. Intel will consider support requests on a case-by-case basis.

1.2   Pass/Fail Test Criteria

For each operating system, adapter, and peripheral configuration, a test passes if specific criteria are met. Specific configurations may have had particular characteristics that were addressed on a case-by-case basis. In general, a configuration passes testing if the following conditions are met:

- The operating system installed without error.
  - Manufacturer's installation instructions or Intel's best-known methods were used for the operating system installation.
  - No extraordinary workarounds were required during the operating system installation.
  - The server system behaved as expected during and after the operating system installation.
  - Application software installed and executed normally.
- Hardware compatibility tests ran to completion without error.
- Test software suites executed successfully
  - Test and data files were created in the correct directories without error.
  - Files copied from client to server and back compare to the original with zero errors reported.
  - Clients remain connected to the server system.
  - Industry standard test suites run to completion with zero errors reported.

All Intel server board SE7520AF2 testing was performed using the Intel Server Chassis SC5300.

2.   Intel® Server Board SE7520AF2 Base System Configurations

The following table lists the base configurations tested. Base configurations will change as new revisions of the Intel® server board SE7520AF2 are released and/or new system BIOS and BMC firmware are introduced onto the board in Intel's factory. Each base configuration is assigned an identifier number that is referenced in the tables throughout this document. New base configurations are added with each new release of this document.

✐   Intel will only provide support for adapters and peripherals under the specified base system configuration and operating systems versions with which they were tested.

Base System Identifier #	Board Type	Part Number	BIOS Revision	mBMC Revision	BMC Firmware Revision	SC5300 SCSI HSC Firmware Revision	SC5300 SATA HSC Firmware Revision	Notes
1	SE7520AF2 SE7520HPAF2	C48105-401 C47886-401	B06	2.31	N/A	1.07	1.06	
2	SE7520AF2 SE7520HPAF2	C48105-702 C47886-702	P9.10	2.40	0048	1.13	1.09	FRU/SDR - 6.6.4 ROMB 514K

3.   Supported Operating Systems

The following table provides a list of supported operating systems for the Intel® server board SE7520AF2. Each of the listed operating systems was tested for compatibility with a base Intel server board SE7520AF2 configuration. Operating system compatibility testing verifies that the operating system will install and function with all on-board devices.

The following table also indicates whether each operating system received Basic Installation Testing, or Adapter / Peripheral Compatibility and Stress Testing. For information on the support commitments for Basic Installation Testing vs. Adapter / Peripheral Compatibility and Stress Testing, please reference Section 1 of this document.

Any variations to the standard operating system installation process are documented in the Installation Guidelines section of this document. If there are no installation guidelines noted in the following table, then the operating system installed as expected using manufacturer's installation instructions or Intel's best-known methods.

> Operating systems supported by Intel® Server Management software or LANDesk* Client Manager software may be different than the operating systems supported by the Intel Server Board SE7520AF2. Please reference the Readme and User Guide documents that are included as part of each Intel Server Management and LANDesk* Client Manager distribution for operating systems that are supported by that release.

Operating System	Base System Configuration Tested & Type of Testing	Notes
Microsoft Windows[†] Server 2003 Enterprise Edition / Microsoft Windows Small Business Server 2003, 32 bit and EM64T versions.	Configuration 1 , 2– Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2003 Enterprise Edition. The Intel Server Board SE7520AF2 supports the operating system portion of Microsoft Windows Small Business Server 2003 only. The application portion is not tested or supported.
Red Hat Enterprise Linux[†] AS 4.0 Update 1, 32 bit and EM64T versions.	Configuration 1, 2 – Compatibility & Stress	
SuSE Linux Enterprise Server 9 (SP2), 32 bit and EM64T versions.	Configuration 2 – Compatibility & Stress	
Novell NetWare[†] 6.5 (SP4)	Configuration 1 ,2 – Compatibility & Stress	
Microsoft Windows 2000 Advanced Server, Service Pack 4 / Microsoft Small Business Server 2000	Configuration 1 – Basic Installation	Intel's testing was completed with Microsoft Windows 2000 Advanced Server. The Intel Server Board SE7520AF2 supports the operating system portion of Microsoft Small Business Server 2000 only. The application portion is not tested or supported.
SCO UnixWare 7.1.3	Configuration 1 – Basic Installation	

3.1   Operating System Certifications

Listed below are the operating systems that Intel will certify on the SE7520AF2 Server board.
However, the customer is responsible for their own certification from the individual operating
system vendors. In many cases, the customer may leverage their operating system
certifications from Intel's testing. See the "Comments" section next to each operating system in
the table below for additional information. Intel's certifications, pre-certification, and operating
system testing may help reduce some of the risk in achieving customer certifications with the
operating system vendors.

Operating System	Certification Listing	Comments
Microsoft Windows† Server 2003 Enterprise Edition(32bit and EM64T)	Intel® SE7520AF2 Server	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/search.mspx (Search on SE7520AF2) http://developer.intel.com/design/servers/whql.htm
Novell NetWare† 6.5	Intel® SE7520AF2 Server	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate on their web site. Customer can leverage the Intel certification, if customer product meets the operating system vendor standard.
SuSE Linux† Enterprise Server 9 (32bit and EM64T)	Intel® SE7520AF2 Server	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate on their web site. Customer can leverage the Intel certification, if customer product meets the operating system vendor standard.
Red Hat† Enterprise Linux 4.0 AS(32bit and EM64T)	Intel® SE7520AF2 Server	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate on their web site.
SCO OpenServer† 5.0.7	Intel® SE7520AF2 Server	'SCO performs the OS testing, certifies (if appropriate), and posts the certificate on their web site.
SCO UnixWare† 7.1.3	Intel® SE7520AF2 Server	'SCO performs the OS testing, certifies (if appropriate), and posts the certificate on their web site.

4.   Adapters and Peripherals

Add-in adapter-card, peripheral compatibility and stress testing will only be performed with the latest version of an operating system at the time the validation testing occurred. The following table shows the operating system and base configurations used to validate each device. The adapters are divided into categories based on their functionality. All integrated on-board devices are tested by default and are therefore not included in the following tables.

Note that not all adapter cards were tested under all operating systems. The following notation is used in the tested adapters and peripherals table below to indicate the support level that Intel provides for a particular adapter under a particular operating system:

Number (i.e. 1)	This adapter or peripheral has been tested and is supported under the specific configuration identified in the Base System Configurations Table in Section 2 of this document.
Number in brackets (i.e. [1])	This adapter or peripheral has been tested, but is NOT supported under the specific configuration identified in the Base System Configurations Table in Section 2 of this document.
NT	This adapter or peripheral has not been tested under this operating system and is not supported under this operating system.
ND	This adapter or peripheral has not been tested under this operating system due to limitations in IHV driver availability, and is not supported under this operating system.
SA	This adapter has not been tested by Intel under this operating system, but it is supported in this OS based on this adapter deemed as a subset of a successfully tested superset adapter listed right-above. Intel has determined that these adapters use the same FW and drivers and have nearly identical system interface. In addition, Intel has secured IHV commitment to support the adapters equally. All guidelines for the superset adapter apply to this subset adapter.

Any variations to the standard adapter installation process or to expected adapter functionality are documented in the Installation Guidelines section of this document. If there are installation guidelines affecting a particular adapter and operating system combination, these are referenced in the following table. If there is no installation guidelines noted in the following table, then the adapter installed and functioned as expected using manufacturer's installation instructions or Intel's best-known methods.

✍   Testing of adapter cards is normally performed with expansion ROMs for unused add-in adapters and onboard controllers, disabled in BIOS Setup. Intel recommends that customers disable the option ROM for add-in controllers and/or the on-board controllers when not booting from the controller or needing to use its built in utilities.

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Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
4.1 PCI SCSI												
Adaptec[†]	ASC-29160	ASC-29160	PCI 64/66	1		1	1	1	1			
Adaptec[†]	ASC-29160LP	ASC-29160LP	PCI 64/66	SA		SA	SA		SA			
Adaptec[†]	ASC-29160N	ASC-29160N	PCI 64/66	SA		SA	SA		SA			
Adaptec	ASC29320ALP	ASC29320ALP	PCI-X/133	1,2	2	1	1,2	1,2	1,2	2	2	
Adaptec	ASC29320A	ASC29320A	PCI-X/133	SA		SA	SA		SA			
Adaptec	ASC29320LP-R	ASC29320LP-R	PCI-X/133	SA		SA	SA		SA			
Adaptec	ASC29320-R	ASC29320-R	PCI-X/133	SA		SA	SA		SA			
Adaptec	ASC-39160	ASC-39160	PCI 64/66	1,2	2	1	1,2	1,2	1,2	2	2	
Adaptec	ASC-39320A	ASC-39320A	PCI-X/133	1,2	2	1	1,2	1,2	1,2	2	2	
Adaptec	ASC-39320-R	ASC-39320-R	PCI-X/133	SA		SA	SA		SA			
Adaptec	ASC-39320D-R	ASC-39320D-R	PCI-X/133	SA		SA	SA		SA			
LSI Logic[†]	LSI20160	LSI20160	PCI 32/33	1		1	1		1			
LSI Logic[†]	LSI20160 L	LSI20160 L	PCI 32/33	SA,2	2	SA	SA,2	1,2	SA,2	2	2	
LSI Logic	LSI22320-R	LSI22320-R	PCI-X/133	1,2	2	1	1,2	1,2	1,2	2	2	
LSI Logic	LSI20320-R	LSI20320-R	PCI-X/133	SA		SA	SA		SA			

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
4.2 RAID												
3Ware[†]	8506-8	8506-8	PCI 64/66	1		1	1					
3Ware	8506-12	8506-12	PCI 64/66	SA		SA	SA					
3Ware	8506-4LP	8506-4LP	PCI 64/66	SA		SA	SA					
Adaptec[†]	ASR-2110S	ASR-2110S	PCI 64/66	1		1	1		1			
Adaptec[†]	ASR-2200S	ASR-2200S	PCI 64/66	2	2		2	2	2	2	2	
Adaptec[†]	ASR-2230S	ASR-2230S	PCI-X/133	2	2		2	2	2	2	2	
Adaptec[†]	AAR21610SA	AAR21610SA	PCI 64/66	2	2		2	2	2	2	2	
ICP vortex[†]	GDT8524RZ	GDT8524RZ	PCI 64/66	1,2	2	1	1,2	1,2	1,2	2	2	
ICP vortex[†]	GDT8514RZ	GDT8514RZ	PCI 64/66	1		1	1		1			
ICP vortex	GDT8546RZ	GDT8546RZ	PCI 64/66	1		1	1		1			
ICP vortex	GDT8586RZ	GDT8586RZ	PCI 64/66	2	2		2	2	2	2	2	
Intel®	SRCU42L	SRCU42L	PCI 64/66	1,2	2	1	1,2	1,2	1,2	2	2	
Intel	SRCU41L	SRCU41L	PCI 64/66	1		1	1		1			
Intel	SRCU42X	SRCU42X	PCI-X/133	1,2	2	1	2	1,2	1,2	2	2	
Intel	SRCS14L	SRCS14L	PCI 64/66	1,2	2	1	1,2	2	1,2	2	2	
Intel	SRCS16	SRCS16	PCI 64/66	1,2	2	1	1,2	1,2	1,2	2	2	
Intel	SRCS28X	SRCS28X	PCI-X/133	1		1	1		1			
Intel	SRCU42E	SRCU42E	PCI ExpressX8	1,2	2	1	1,2	1,2	1,2	2	2	

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
LSI Logic[†]	4932010232A	Elite 1600 (MegaRAID 493)	PCI 64/66	1		1			1			
LSI Logic	MegaRAID 320-1	MegaRAID 320-1	PCI 64/66	1		1	1		1			
LSI Logic	MegaRAID 320-2	MegaRAID 320-2	PCI 64/66	SA		SA	SA		SA			
LSI Logic	MegaRAID 320-2x	MegaRAID 320-2x	PCI-x/133	1		1		1	1			
LSI Logic	MegaRAID 320-4x	MegaRAID 320-4x	PCI-x/133	SA		SA			SA			
LSI Logic	MegaRAID 320-2E	MegaRAID 320-2E	PCI ExpressX8	2	2		2	2	2	2	2	
LSI Logic	MegaRAID SATA 150-6	MegaRAID SATA 150-6	PCI 64/66	2	2		2	2	2	2	2	
Promise[†]	FastTrak S150 TX4	FastTrak S150 TX4	PCI 32/66						1			

4.3   PCI Fibre Channel

Emulex[†]		LP9002L	PCI 64/66	1,2	2	1	1,2	1,2	1,2	2	2	
Emulex		LP952L	PCI 64/66	SA		SA	SA		SA			
Emulex		LP9802DC	PCI-X133	1		1	1	1				Refer to Installation Guideline 6.4
Emulex		LP982	PCI-X133	SA		SA	SA					
Emulex		LP9802	PCI-X133	SA		SA	SA					
Emulex		LP10000DC	PCI-X133	1,2	2	1	2	1,2	1,2	2	2	

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
Emulex		LP10000	PCI-X133	SA		SA			SA			
Emulex		LP1050	PCI-X133	SA		SA			SA			
Emulex		LP1050DC	PCI-X133	SA		SA			SA			
Emulex		LP10000ExDC	PCI ExpressX4	1,2	2	1	1,2	1,2	1,2	2	2	
Emulex		LP1050Ex	PCI ExpressX4	SA		SA	SA		SA			
Intel®		SRCFC22C	PCI-64/66	1			1		1			
LSI Logic®		LSI7202XP-LC	PCI-X133	2	2		2	2	2	2	2	
Qlogic[†]		QLA2200L	PCI-64/66	1		1	1		1			
Qlogic[†]		QLA2200/66	PCI-64/66	SA		SA	SA		SA			
Qlogic		QLA2342	PCI-X133	1,2	2	1	1,2	1,2	1,2	2	2	
Qlogic		QLA2340	PCI-X133	SA		SA	SA		SA			
Qlogic*		QLE2360	PCI ExpressX4	1			1		1			
Qlogic		QLE2362	PCI ExpressX4	2	2		2	2	2	2	2	

4.4   PCI NIC

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
Intel®	PRO/100+ S Server	PILA8470D3	PCI 32/33	1,2	,2	1	1,2	1,2	1	2	2	

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
Intel	PRO/100+ S Server	PILA8470C3	PCI 32/33	SA		SA	SA	1	SA			
Intel	PRO/100+ Dual Port	PILA8472C3	PCI 64/66	1,2	2	1	1,2	2	1,2	2	2	
Intel	PRO/1000XT	PWLA8490XT	PCI-X/133	1,2	2	1	1,2	1,2	1,2	2	2	
Intel	PRO/1000XF	PWLA8490XF	PCI-X/133	SA		SA	SA		SA			
Intel	PRO/1000XFL	PWLA8490XFL	PCI-X/133	SA		SA	SA		SA			
Intel	PRO/1000XTL	PWLA8490XTL	PCI-X/133	SA		SA	SA		SA			
Intel	PRO/1000MT	PWLA8490MT	PCI-X/133	1,2	2	1	1,2	1,2	1,2	2	2	
Intel	PRO/1000MF	PWLA8490MF	PCI-X/133	SA		SA	SA		SA			
Intel	PRO/1000MT Dual Port	PWLA8492MT	PCI-X/133	1,2	2	1	1,2	1,2	1,2	2	2	
Intel	PRO/1000MF Dual Port	PWLA8492MF	PCI-X/133	SA		SA	SA		SA			
Intel	PRO/1000 MT Quad Port Server Adapter	PWLA8494MT	PCI-X/133	1		1	1	1	1			
3COM[†]	Etherlink 10/100 PCI	3C905C-TX-M	PCI 32/33	1,2		1	1,2	1,2	1,2	2	2	
3COM	Etherlink Server 10/100 PCI Managed	3C980C-TXM	PCI 32/33	1,2		1	1,2	1,2	1	2	2	
3COM	Gigabit Server Adapter	3C996B-T	PCI-X/133	1		1	1		1			

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
Dlink[†]		DFE-530/TX+	PCI 32/33	1		1	1		1			
Syskonnect	SK-9E21D	SK-9E21D	PCI-ExpressX1	1,2	2		1,2	2	1,2	2	2	
Syskonnect	SK-9E22	SK-9E22	PCI-ExpressX4	2	2		2	2	2	2	2	

4.5 Modems

Manufacturer	Model Name	Model Number	Interface									Comments
3COM[†]	56K V.92 Performance Pro	USR5610B	PCI 32/33	1,2	2	1	1,2	2	1	2	2	
3COM	56K V.Everything Corporate Modem	3CP3453	RS-232	1,2	2	1	1,2	2	1	2	2	

4.6 Keyboard and Mouse Devices

Manufacturer	Model Name	Model Number	Interface									Comments
Keytronic[†]	E06101USB-C	E06101USB-C	USB	1,2	2	1	1,2	2	1,2	2	2	
Keytronic	PRO Pilot	PRO Pilot	PS/2	1,2	2	1	1,2	2	1,2	2	2	
Logitech	967233-0403	Internet Navigator	PS/2 and USB	1,2	2	1	1,2	2	1,2	2	2	
Microsoft[†]	225143	IntelliMouse Optical	PS/2 and USB	1		1	1		1			
Rainbow[†]	SRB10741/ERB01221	Sentinal Duo Hardware Key	USB	1,2		1	2	2	2	2	2	

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments

4.7   CDROM Drives

Manufacturer	Model Name	Model Number	Interface	WS2003 EE	WS2003 EE IA32e	W2000 AS	RHEL 4.0 AS	RHEL 4.0 AS IA32e	NW 6.5	SuSE 9	SuSE 9 IA32e	Comments
IOMEGA[†]	32721	CD-RW 48x24x48	USB 2.0	1								
Mitsumi[†]	CRMC-FX5401W	CRMC-FX5401W	ATA33	1								
Mitsumi	SR244W1	SR244W1	ATA33	1								
Plextor	PlexWriter/ Premium-U	PlexWriter/ Premium-U52/32/52	USB 2.0	1								
Samsung[†]	SC-152	SC-152	ATA33	1								
TEAC	CD-232E	CD-232E	ATA33	1								

4.8   DVD Drives

Manufacturer	Model Name	Model Number	Interface	WS2003 EE	WS2003 EE IA32e	W2000 AS	RHEL 4.0 AS	RHEL 4.0 AS IA32e	NW 6.5	SuSE 9	SuSE 9 IA32e	Comments
Liteon[†]	LSD-081	LSD-081	ATA33	1								
Toshiba	SD-R6112	SD-R6112	ATA33	1								
Toshiba	SD-M1401	SD-M1401	SCSI-N	2	2		2	2	2	2	2	
Panasonic[†]	SR-8177-B	SR-8177-B	ATA33	1								
Panasonic	SR-8123-B	SR-8123-B	ATA33	1								
Samsung[†]	SD-616	SD-616	ATA33	1								
Sony[†]	DRU-510A	DRU-510A	ATA33	1,2	2		2	2	2	2	2	

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments

4.9 Tape Drives

Manufacturer	Model Name	Model Number	Interface	MS Win 2003 EE	MS Win 2003 EE IA32e	MS Win 2000 AS	RHEL 4.0 AS	RHEL 4.0 AS IA32e	Novell Netware 6.5	SuSE 9	SuSE 9 IA32e	Comments
Quantum[†]	BHHAA-YF	DLT, VS80	SCSI-U2	1,2	2	1	1,2	2	1	2	2	
Quantum	BH2AA-YF	DLT, VS160	SCSI-U2	1,2	2	1	1,2	2	1,2	2	2	Refer to Installation Guideline 6.3
Quantum	TRS23BA-YF	Super DLT SDLT320	SCSI-U2	1,2	2	1	1,2	2	1	2	2	
Seagate[†]	SCORPION 40 DDS4 DAT	STD2401LW-S	SCSI-U2	1		1	1		1			
Sony[†]	SDX-S500C/BM	AIT-2 Desktop	SCSI-U2	1,2	2	1	1,2	2	1	2	2	
Sony	SDX-S700C/BM	AIT-3 Desktop	SCSI-U2	1		1	1		1			
Sony	SDX-700C/BM	AIT-3 Desktop	SCSI-U160	2	2		2	2		2	2	
Sony	SDX-250V **	AIT-E Turbo	SCSI-UW	1		1						**: Refer to Installation Guideline 6.5
Sony	SDX-260V **	AIT-E Turbo	ATAPI	1								
Sony	SDX-450V **	AIT-1/E Turbo	SCSI-UW	1		1						
Sony	SDX-460V **	AIT-1/E Turbo	ATAPI	1								
Sony	SDX-550V **	AIT-1/2/E Turbo	SCSI-U2	1								
Sony	SDX-560V **	AIT-1/2/E Turbo	ATAPI	1								
Sony	SDX-700V **	AIT-1/2/3	SCSI-U2	1		1						
Sony	SDX-900V **	AIT-3/4	SCSI-U2	1		1						

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
Sony	SAITe1300SS **	SAIT1	SCSI-U2	1								

4.10 Removable Drives

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
IBM[†]	22P9025	256MB Memory Key	USB 2.0	1		1			1			
Lexar	JD1GB-80-231	1GB USB Flash	USB 2.0	2	2		2	2	2	2	2	
IOMEGA[†]	32324	ZIP 750 MB	USB 2.0	1,2	2	1	1,2	2	1,2	2	2	
IOMEGA	32328	ZIP 750 MB Internal ATAPI	ATA33	1		1	1		1			
IOMEGA	32548	MiniUSB Drive 128MB	USB 2.0	1		1	1		1			
IOMEGA	SKU 33105	Micro Mini™ 512MB Drive	USB 2.0	2	2		2	2	2	2	2	
Sony[†]	PCGA-UFD5	VAIO External Floppy Drive	USB	1,2	2	1	1,2	2	1,2	2	2	
SanDisk[†]	SDCZ2-256	MiniCruzer Data Storage	USB 2.0	1		1			1			
TEAC[†]	FD-235HF	Floppy Drive	Floppy	1,2	2	1	1,2	2	1,2	2	2	
TEAC	FDO5PUB	Floppy Drive	USB	1,2	2	1	1,2	2	2	2	2	

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments
4.11 KVM												
Avocent[†]	1160ES	1160ES	PS/2	1								
Belkin[†]	Omniview PRO2	F1DA108T	PS/2	1,2	2		2	2	2	2	2	
4.12 Graphic												
ATI[†]	RADEON 7000	RADEON 7000	PCI 32/33	1		1	1		1			
Matrox[†]	G45FMDVP32DB	G45FMDVP32DB	PCI 32/33	1		1			1			
Diamond[†]	Stealth S80	Stealth S80	PCI 32/33				1		1			
ATI[†]	RADEON 9200	RADEON 9200	PCI 32/33				SA		SA			
ATI	RADEON 9200 Pro	RADEON 9200 Pro	PCI 32/33				SA		SA			
ATI	RADEON 9200SE	RADEON 9200SE	PCI 32/33				SA		SA			
Powercolor	R92P-C3S RADEON 9200	R92P-C3S R92P-C3S VIPCR92PC3S	PCI 32/33				SA		SA			
Powercolor	ATI POWERED RADEON 9200 SE CRT TV OUT DVI R92P-C3S	VC-POWERC-115	PCI 32/33				SA		SA			
Powercolor	ATI RADEON 9200PRO R92P-C3S	VGA-AP128-920PC	PCI 32/33				SA		SA			

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows[†] Server 2003 Enterprise Edition	Microsoft Windows[†] Server 2003 Enterprise Edition IA32e	Microsoft Windows[†] 2000 AS	Red Hat Enterprise Linux[†] 4.0 AS	Red Hat Enterprise Linux[†] 4.0 AS IA32e	Novell Netware[†] 6.5	SuSE Linux Enterprise Server 9	SuSE Linux Enterprise Server 9 IA32e	Comments

5.   Hard Disk Drives

The hard drives listed in the following table have been tested with the Intel® server board SE7520AF2 by Intel in its validation labs and/or by individual drive vendors. The following operating system identifiers are used in the table to specify which OS each drive was tested under.

Identifier number	Operating System
1	Microsoft Windows† Server 2003 Enterprise Edition
2	Microsoft Windows† Server 2003 Enterprise Edition IA32e
3	Microsoft Windows† 2000 Advanced Server with service pack 4
4	Red Hat Linux† 3.0 AS
5	Red Hat Linux† 3.0 AS IA32e
6	Novell NetWare† 6.5 with support pack 1

Note that not all hard drives were tested under all operating systems. The following notation is used in the tested hard drives table below to indicate the support level that Intel provides for a particular hard drive with a particular operating system:

Number (i.e. 1)	This hard drive has been tested and is supported under the operating system identified by the operating system identification number.
Number in brackets (i.e. [1])	This hard drive has been tested, but is NOT supported under the operating system identified by the operating system identification number.
SD (Similar Drive)	This hard drive model/capacity was not tested with this server board, but it is supported on corresponding operating systems based on successful testing of a larger capacity hard drive from the same hard drive family. This drive has been determined to use the exact same firmware and drivers as a larger capacity hard drive that has been successfully tested with this server board. The only difference between this drive and the one that was used in testing is the storage capacity. Intel provides the same level of support for all hard drives listed in this document, regardless of whether the drive was tested or not. Customers should always test hard drives as part of the final

	system configuration prior to deployment.
IHVT (IHV Tested)	The hard disk drive was tested according to Intel-approved guidelines and test procedures by the Independent Hardware Vendor (IHV) that manufactured the drive. Intel provides the same level of support for all hard drives listed in this document, regardless of whether the drive was tested in an Intel lab or not. IHV test reports remain the property of the IHV (Intel cannot provide copies of these reports).

Manufacturer	Product Family	Model Number	Interface	RPM	Drive Size (GB)	Tested Operating Systems	Comments
5.1	**USB Hard Disks Drives**						
Addonics†	AEMED35AUM	Combo HDD Kit	USB 2.0			1,3,4,6	
Maxtor†	S01J250	5000XT	USB 2.0		250	1,3,4,6	
5.2	**ATA Hard Disks Drives**						
Maxtor†	6Y200P0	DiamondMax Plus 9	ATA133	7200	200	1,3,4,6	
Maxtor†	6Y080P0	DiamondMax Plus 9	ATA133	7200	80	SD	
Maxtor†	6Y120P0	DiamondMax Plus 9	ATA133	7200	120	SD	
Maxtor†	6Y160P0	DiamondMax Plus 9	ATA133	7200	160	SD	
Seagate†	ST3120023A	Barracuda ATA V	ATA/100	7200	120	1,3,4,6	
Western Digital†	WD1200BB-00EEA1	Caviar	ATA/100	7200	120	1,3,4,6	
M-Systems†	MD1150-D512	MD1150-D512	ATA133			1,2,4,5,6,7,8	
5.3	**SATA Hard Disks Drives**						
Maxtor†	6Y120M0	DiamondMax Plus 9	SATA/150	7200	120	1,3,4,6	
Maxtor†	6Y060M0	DiamondMax Plus 9	SATA/150	7200	60	SD	

Maxtor†	6Y080M0	DiamondMax Plus 9	SATA/150	7200	80	SD	
Maxtor†	6Y160M0	DiamondMax Plus 9	SATA/150	7200	160	SD	
Maxtor†	6Y200M0	DiamondMax Plus 9	SATA/150	7200	200	SD	
Maxtor†	6Y250P0	Maxline II	SATA/150	7200	250	SD	
Hitachi†	HDS722525VLST80	Deskstar 7K250	SATA/150	7200	250	1,2,4,5,6,7,8	
Hitachi†	HDS722512VLST80	Deskstar 7K250	SATA/150	7200	120	SD	
Hitachi†	HDS722516VLST80	Deskstar 7K250	SATA/150	7200	160	SD	
Hitachi†	HDS722580VLST80	Deskstar 7K250	SATA/150	7200	80	SD	
Hitachi†	HDT722525DLA380	Deskstar T7K250	SATA/150	7200	250	1,2,3,4,5,6	
Hitachi†	HDT722516DLA380	Deskstar T7K250	SATA/150	7200	160	SD	
Hitachi†	HDS724040KLSA80	Deskstar 7K400	SATA/150	7200	400	1,2,3,4,5,6,7,8	
Hitachi†	HDS725050KLA360	Deskstar 7K500	SATA/150	7200	500	1,2,3,4,5,6	
Hitachi†	HDS728080PLA380	Deskstar 7K80	SATA/150	7200	80	1,2,3,4,5,6	
Hitachi†	HDS728040PLA320	Deskstar 7K80	SATA/150	7200	40	SD	
Seagate†	ST3160023AS	Barracuda SATA VI	SATA/150	7200	160	1,3,4,6	
Western Digital†	WD740GD	WD Raptor	SATA/150	10K	36	1,2,4,5,6,7,8	

5.4   SCSI Hard Disks Drives

Fujitsu†	MAP3147NC	MAP	SCSI-U320-SCA	10K	147	1,3,4,6	
Fujitsu†	MAP3367NC	MAP	SCSI-U320-SCA	10K	36	SD	
Fujitsu†	MAP3735NC	MAP	SCSI-U320-SCA	10K	73	SD	
Fujitsu†	MAS3735NC	MAS	SCSI-U320-SCA	15K	73	1,3,4,6	
Fujitsu†	MAS3184NC	MAS	SCSI-U320-SCA	10K	18	SD	
Fujitsu†	MAS3367NC	MAS	SCSI-U320-SCA	10K	36	SD	
Fujitsu†	MAU3147NC	MAU	SCSI-U320-SCA	15K	147	1,3,4,6	
Fujitsu†	MAU3073NC	MAU	SCSI-U320-SCA	15K	73	1,3,4,6	

Fujitsu†	MAU3036NC	MAU	SCSI-U320-SCA	15K	36	1,3,4,6	
Fujitsu†	MAT3073NC	MAT	SCSI-U320-SCA	10K	73	1,3,4,6	
Fujitsu†	MAT3147NC	MAT	SCSI-U320-SCA	10K	147	1,3,4,6	
Fujitsu†	MAT3300NC	MAT	SCSI-U320-SCA	10K	300	1,3,4,6	
Hitachi†	DK32EJ-14	DK32EJ	SCSI-U320-SCA	10K	147	1,3,4,6	
Hitachi†	DK32EJ-36	DK32EJ	SCSI-U320-SCA	10K	36	SD	
Hitachi†	DK32EJ-72	DK32EJ	SCSI-U320-SCA	10K	72	SD	
Hitachi†	IC35L146UCDY10	Ultrastar 146Z10	SCSI-U320-SCA	10K	146	1,3,4,6	
Hitachi†	IC35L018UCDY10	Ultrastar 146Z10	SCSI-U320-SCA	10K	18	SD	
Hitachi†	IC35L036UCDY10	Ultrastar 146Z10	SCSI-U320-SCA	10K	36	SD	
Hitachi†	IC35L073UCDY10	Ultrastar 146Z10	SCSI-U320-SCA	10K	73	SD	
Hitachi†	HUS157373EL3800	Ultrastar 15K73	SCSI-U320-SCA	15K	73	1,3,4,6	
Hitachi†	HUS157336EL3600	Ultrastar 15K73	SCSI-U320-SCA	15K	36	SD	
Hitachi†	HUS157336EL3800	Ultrastar 15K73	SCSI-U320-SCA	15K	36	SD	
Hitachi†	HUS157373EL3600	Ultrastar 15K73	SCSI-U320-SCA	15K	73	SD	
Hitachi†	HUS103030FL3800	Ultrastar 10K300	SCSI-U320-SCA	10K	300	1,2,4,5,6,7,8	
Hitachi†	HUS103030FL3600	Ultrastar 10K300	SCSI-U320-SCA	10K	300	SD	
Hitachi†	HUS103014FL3800	Ultrastar 10K300	SCSI-U320-SCA	10K	147	1,3,4,6	
Hitachi†	HUS103014FL3600	Ultrastar 10K300	SCSI-U320-SCA	10K	147	SD	
Hitachi†	HUS103073FL3800	Ultrastar 10K300	SCSI-U320-SCA	10K	73	1,3,4,6	
Hitachi†	HUS103073FL3600	Ultrastar 10K300	SCSI-U320-SCA	10K	73	SD	
Hitachi†	HUS151414VL3800	Ultrastar 15K147	SCSI-U320-SCA	15K	147	1,3,4,6	
Hitachi†	HUS151436VL3800	Ultrastar 15K147	SCSI-U320-SCA	15K	73	SD	
Hitachi†	HUS151473VL3800	Ultrastar 15K147	SCSI-U320-SCA	15K	36	1,3,4,6	
Hitachi†	HUS151414VL3600	Ultrastar 15K147	SCSI-U320-SCA	15K	147	SD	
Hitachi†	HUS151473VL3600	Ultrastar 15K147	SCSI-U320-SCA	15K	73	SD	
Hitachi†	HUS151436VL3600	Ultrastar 15K147	SCSI-U320-SCA	15K	36	SD	

Maxtor†	8B146J0	Atlas 10K IV	SCSI-U320-SCA	10K	146	1,3,4,6	
Maxtor†	8B036J0	Atlas 10K IV	SCSI-U320-SCA	10K	36	SD	
Maxtor†	8B074J0	Atlas 10K IV	SCSI-U320-SCA	10K	73	SD	
Maxtor†	8C073J0	Atlas 15K	SCSI-U320-SCA	15K	73	1,3,4,6	
Maxtor†	8C018J0	Atlas 15K	SCSI-U320-SCA	15K	18	SD	
Maxtor†	8C036J0	Atlas 15K	SCSI-U320-SCA	15K	36	SD	
Maxtor†	8E147J0	Atlas 15K II	SCSI-U320-SCA	15K	147	1,2,4,5,6,7,8	
Maxtor†	8E073J0	Atlas 15K II	SCSI-U320-SCA	15K	73	SD	
Maxtor†	8E036J0	Atlas 15K II	SCSI-U320-SCA	15K	36	SD	
Maxtor†	8D300J0	Atlas 10K V	SCSI-U320-SCA	10K	300	1,2,4,5,6,7,8	
Maxtor†	8D147J0	Atlas 10K V	SCSI-U320-SCA	10K	147	SD	
Maxtor†	8D073J0	Atlas 10K V	SCSI-U320-SCA	10K	73	SD	
Seagate†	ST3146807LC	Cheetah 10K.6	SCSI-U160-SCA	10K	146	1,3,4,6	
Seagate†	ST336607LC	Cheetah 10K.6	SCSI-U160-SCA	10K	36	SD	
Seagate†	ST373307LC	Cheetah 10K.6	SCSI-U160-SCA	10K	73	SD	
Seagate†	ST373453LC	Cheetah 15K.3	SCSI-U320-SCA	15K	73	1,3,4,6	
Seagate†	ST336753LC	Cheetah 15K.3	SCSI-U320-SCA	15K	36	SD	
Seagate†	ST3300007LC***	Cheetah 10K.7	SCSI-U320-SCA	10K	300	1,2,4,5,6,7,8	***: Refer to Installation Guideline 6.6
Seagate†	ST3146707LC***	Cheetah 10K.7	SCSI-U320-SCA	10K	146	SD	
Seagate†	ST373207LC***	Cheetah 10K.7	SCSI-U320-SCA	10K	73	SD	
Seagate†	ST3146854LC***	Cheetah 15K.4	SCSI-U320-SCA	15K	147	1,3,4,6	
Seagate†	ST373454LC***	Cheetah 15K.4	SCSI-U320-SCA	15K	73	1,2,4,5,6,7,8	
Seagate†	ST336754LC***	Cheetah 15K.4	SCSI-U320-SCA	15K	36	SD	

6.   Installation Guidelines

6.1   Windows† 2000 Advanced Sever Recognizes Only 4 GB of Memory.

Issue   When using greater than 4 GB of memory, POST reports the total memory present correctly, but Windows 2000 Advanced Server only sees ~4GB. The total memory present reported by Windows was checked by bringing up the System Properties window and verifying the total memory displayed on the General Tab.

Implication   Memory above 4GB not being recognized.

Workaround   The /PAE option must be enabled in the ARC path in the boot.ini file in order for Windows 2000 to recognize memory above 4.0GB (e.g. multi(0)disk(0)rdisk(0)partition(2)\WINNT="Windows 2000 Advanced Server" /PAE /basevideo /sos)

Status   No Fix.

6.2   Potential Data Corruption Manifested Under SuSE† Linux 9.1 Professional Operating System

Problem   Intel found through OS stress testing that the IA32 and the IA32e versions of the SuSE Linux 9.1 Professional operating system (kernel 2.6.4-52-smp) can exhibit silent data corruption on server boards based on the Intel(R) E7520 chipset.

Implication   Investigation determined the data corruption stemmed from a race condition in reiser file system that ships with SuSE Linux 9.1 Professional OS (2.6.4-based kernel). Although the reiser file system is the default file system used by SuSE Linux; tests of alternative file systems supported by the OS have not manifested this data corruption. All investigations and test results ascertain that this anomaly affects the IA32 and IA32e versions of the SuSE* Linux 9.1 Professional OS. This anomaly is expected to be addressed by the OS vendor on the SuSE Linux Enterprise Server 9 version when officially released.

Workaround   None supported by Intel.

 Status   No Fix.

6.3   Tape drive shown as if 8 tapes are installed.

Problem   When Quantum* Tape(DLT VS160) is installed in On-board SCSI. In some cases, 8 tapes are attached in Windows* Device manager. Similar symptom may appear in Netware* 6.5 sp 1, where 8 Tape devices may be seen in the Device List.

Implication   The device works fine despite the wrong device information shown by OS'es. The reason is the tape device firmware may be inproper.

Workaround   Update the tape device firmware using V34 version to make the device information shown correctly.

 Status   No Fix.

6.4   Novell NetWare* 6.5 Emulex* LP9802DC driver fails to load

Issue: The Emulex* LP9802DC PCI-X fibre channel host adapter works as expected when installed in the Intel® SE7520AF2 server board with Microsoft Windows* and supported Linux configurations. However, when the adapter is installed with NetWare* 6.5, the driver is not recognized by this operating system . NetWare fails to recognize both driver versions 2.00c and 2.02g. The likely source for this failure is a conflict between the NetWare operating system and the PCI-X bridge chip that is used on the LP9802DC adapter.

Implication: The Emulex LP9802DC adapter driver is not recognized by Novell NetWare* 6.5.

 Workaround :   The Emulex LP10000DC adapter is a compatible, next generation bridgeless solution, which offers the same feature set with increased performance, works as expected under Novell NetWare 6.5 and has been validated as a supported adapter on current Intel platforms.

Status: Intel is currently working with Emulex to investigate a fix for this issue.

6.5   Sony* Tape Drives fully supportive with SE7520AF2 BIOS P07

Issue: Sony* tape drives with certain PNs (part numbers) may not be fully supportive with previous SE7520AF2 BIOS versions.

Implication: Sony* tape drives with below PNs may not be fully supportive on SE7520AF2 until systems are upgraded to include BIOS P07 or later versions.

Workaround: None.

Status: No fix.

6.6   Seagate* SCSI Hard Disks Drives supportive with SE7520AF2 BIOS P07

Issue: Seagate* SCSI Hard Disks Drives with certain PNs (part numbers) may not be supportive with previous SE7520AF2 BIOS versions.

Implication: Seagate* SCSI Hard Disks Drives with below PNs may not be supportive on SE7520AF2 until systems are upgraded to include BIOS P07 or later versions. The support level currently is limited to OS installation only.

Workaround: None.

Status: No fix.