Intel® Server Board *SE7520JR2*

Tested Hardware and Operating System List

Revision History

Date	Revision Number	Modifications
August 2004	.5	Initial Draft – Internal Review
September 2004	1.1	1st external release.
March 2005	2.0	Q4 04 Validation Update
April 2005	2.1	Adding more HDDs
September 2005	3.0	Q2 05 Validation Update
October 2005	4.0	Q3 05 Validation Update
March 2006	5.0	Q4 05 Validation Update
October 2006	6.0	Q2 06 Validation Update
July 2007	7.0	Adding Hard Drives

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Table of Contents

1.   Introduction

This document is intended to provide users of the Intel® Server Board *SE7520JR2* with a list of the operating systems, adapter cards, and peripherals tested by Intel on this server platform.

This document will continue to be updated as new adapters, peripherals, and operating systems are tested or until the Intel® Server Board *SE7520JR2* 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.

The adapters and peripherals specified in this document may or may not have been tested on all available board/riser combinations that make up the SE7520JR2 product family. Intel will provide support for the adapters and peripherals listed when used within this family of products.

The SE7520JR2 product family consists of the following server building blocks and integrated systems:

Product Code	Product Description
SE7520JR2SCSID2	Intel Server Board SE7520JR2 - Onboard SCSI + Onboard SATA (RAID) + DDR2 – 400 MHz
SE7520JR2SCSID1	Intel Server Board SE7520JR2 - Onboard SCSI + Onboard SATA (RAID) + DDR – 266/333 MHz
SE7520JR2ATAD2	Intel Server Board SE7520JR2 - Onboard SATA (RAID) + DDR2 – 400 MHz
SE7520JR2ATAD1	Intel Server Board SE7520JR2 - Onboard SATA (RAID) + DDR – 266/333 MHz
SR1400	Intel Server Chassis SR1400 – 1U Server Chassis, supporting a 1 slot Low Profile PCI-X riser, and a 1 slot full height PCI-X or PCI-Express Riser Card
SR1450	Intel Server Chassis SR1450 – 1U Server Chassis, supporting a 1 slot Low Profile PCI-X riser, and a 1 slot full height PCI-X or PCI-Express Riser Card
SR2400	Intel Server Chassis SR2400 – 2U Server Chassis, supporting a 3 slot low profile PCI-X riser, and a 3 slot full height PCI-X, Active PCI-X, or PCI-Express Riser Card.
SR1400SYS	Integrated SE7520JR2/SR1400 (1U) System - DDR266/333 SCSI. Contains server board, chassis, fans, power supply, ducting, cables, slimline tray, low profile riser, full height PCI-X riser, SCSI backplane, drive carriers, and standard front panel.
SR2400SYS	Integrated SE7520JR2/SR2400 (2U) System - DDR266/333 SCSI. Contains server board, chassis, 4 of 8 fans, 1 of 2 power supplies, ducting, cables, slimline tray, low profile riser, full height PCI-X riser, SCSI backplane, drive carriers, and standard front panel.
SR2400SYSD2	Integrated SE7520JR2/SR2400 (2U) System - DDR2 SCSI. Contains server board, chassis, fans, power supply, ducting, cables, slimline tray, low profile riser, full height PCI-X riser, SCSI backplane, drive carriers, and standard front panel.

1.1 Test Overview

Testing performed on the Intel® Server Board *SE7520JR2* is divided under two separate categories:

- Basic Operating System Installation Testing
- Adapter / Peripheral Compatibility testing, and System 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.
- 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 add-in 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 PCI slots 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.

2.   Base System Definitions

The following table lists the base system configurations tested for a given validation test run. Each specific product/system software combination tested is assigned a Base System Identifier Number. These numbers are used in the lists of supported adapters and peripherals referenced in the following sections. Support for the listed add-in adapters and peripherals is only provided for the base systems and operating systems on which they were tested.

The adapters and peripherals specified in this document may or may not have been tested on all available board/riser combinations that make up the SE7520JR2 product family. However, Intel will provide support for the adapters and peripherals listed when used within this family of products

This table is updated when a new test run is performed and a new product/system software combination was used.

✎   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 Configuration Identifier #	Product Family	BIOS Revision	mBMC/BMC Firmware Revision	SR1400/SR2400 HSC Firmware Revision
1	SE7520JR2	P03	mBMC FW 2.40 IMM BMC FW 23	SCSI 1.05 SATA 1.06
2	SE7520JR2	P07.x	mBMC FW2.40 IMM BMC FW 32	SCSI 1.06 SATA 1.08
3	SE7520JR2	P08.x	mBMC FW2.40 IMM BMC FW 46	SCSI 1.06 SATA 1.08
4	SE7520JR2	P09.x	mBMC FW2.40 IMM BMC FW 47	SCSI 1.06 SATA 1.08
5	SE7520JR2	P10	mBMC FW2.40 IMM BMC FW 49	SCSI 1.08 SATA 1.08
6	SE7520JR2	P11	mBMC FW2.40	SCSI 1.06 SATA 1.08

3. Supported Operating Systems

The following table provides a list of supported operating systems for the Intel® Server Board **SE7520JR2**. Each of the listed operating systems was tested for compatibility with Intel® server board **SE7520JR2** base system configuration listed in Section 2 of this document. Operating systems are supported only with the specified base system configuration(s) with which they were tested.

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 SE7520JR2. 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	Base Config # - 1, 2 Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2003 Enterprise Edition. The Intel Server Board SE7520JR2 supports the operating system portion of Microsoft Windows Small Business Server 2003 only. The application portion is not tested or supported.
Microsoft* Windows* Server 2003 Enterprise Edition, Service Pack 1 / Microsoft* Windows* Small Business Server 2003, Service Pack 1	Base Config # - 3, 4, 5, 6 Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2003 Enterprise Edition, Service Pack 1. The Intel Server Board SE7520JR2 supports the operating system portion of Microsoft Windows Small Business Server 2003, Service Pack 1 only. The application portion is not tested or supported.
Microsoft* Windows* Server 2003 Enterprise Edition EM64T, Service Pack 1	Base Config # - 3, 4, 5, 6 Compatibility & Stress	
Microsoft* Windows* 2000 Advanced Server, Service Pack 4 / Microsoft* Windows* Small Business Server 2000	Base Config # - 1, 2, 3, 4, 5, 6 Compatibility & Stress	Intel's testing was completed with Microsoft Windows 2000 Advanced Server. The Intel Server Board SE7520JR2 supports the operating system portion of Microsoft Windows Small Business Server 2000 only. The application portion is not tested or supported.
Novell NetWare* 6.5, Service Pack 2	Base Config # - 1, 2, 3,	

Operating System	Base System Configuration Tested & Type of Testing	Notes
	4 Compatibility & Stress	
Novell NetWare* 6.5, Service Pack 4	Base Config # - 5, 6 Compatibility & Stress	PXE OS installation is not supported
Novell NetWare* 5.1, Service Pack 7	Base Config # - 1, 2, 3, 4 Basic Installation	
Red Hat Enterprise Linux* 3.0 w/Update 3	Base Config # - 1, 2, 3, 4 Compatibility & Stress	
Red Hat Enterprise Linux* 3.0 EM64T, w/Update 3	Base Config # - 1, 2, 3, 4 Compatibility & Stress	
Red Hat Enterprise Linux* 4.0 w/Update 1	Base Config # - 5 Compatibility & Stress	
Red Hat Enterprise Linux* 4.0 EM64T, w/Update 1	Base Config # - 5 Compatibility & Stress	
Red Hat Enterprise Linux* 4.0 w/Update 2	Base Config # - 6 Compatibility & Stress	
Red Hat Enterprise Linux* 4.0 EM64T, w/Update 2	Base Config # - 6 Compatibility & Stress	
SuSE* Linux Enterprise Server 9	Base Config # - 2, 3, 4 Compatibility & Stress	
SuSE* Linux Enterprise Server 9 EM64T	Base Config # - 2, 3, 4 Compatibility & Stress	
SuSE* Linux Enterprise Server 9, Service Pack 2	Base Config # - 5, 6 Compatibility & Stress	
SuSE* Linux Enterprise Server 9 EM64T, Service Pack 2	Base Config # - 5, 6 Compatibility & Stress	
Red Hat* Advanced Server 2.1 w/update 5	Base Config # - 3, 4, 5 Basic Installation	Dual-Core Intel® Xeon™ Processor 2.8 GHz is not supported
SuSE* Linux 9.1 Professional	Base Config # - 1, 2, 3, 4, 5 Basic Installation	See installation Guideline 6.1 at the end of this document.
SuSE* Linux 9.1 Professional EM64T	Base Config # - 1, 2, 3, 4 Basic Installation	
SCO UnixWare* 7.1.3	Base Config # - 1, 2, 3, 4, 5 Basic Installation	

3.1   Operating System Certifications

Listed below are the operating systems that Intel will certify with the Intel® server board *SE7520JR2*. 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* 2003 Enterprise Edition	Intel® SE7520JR2 Server	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx http://developer.intel.com/design/servers/whql.htm
Microsoft Windows* 2003 Enterprise Edition EM64T	Intel® SE7520JR2 Server	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx http://developer.intel.com/design/servers/whql.htm
Microsoft Windows* 2000 Advanced Server	Intel® SE7520JR2 Server	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx http://developer.intel.com/design/servers/whql.htm
Novell NetWare* 5.1 and 6.5	Intel® SE7520JR2 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. http://developer.novell.com/yes/79771.htm http://developer.novell.com/yes/79806.htm http://developer.novell.com/yes/79808.htm http://developer.novell.com/yes/79810.htm
Red Hat* Enterprise Linux 3.0	Intel® SE7520JR2 Server	Red Hat checks Intel's 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. https://hardware.redhat.com/hwcert/index.cgi

4.   Adapters and Peripherals

Add-in adapter card and 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 system 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 notations are 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 suported under this operating system.
SA (Similar Adapter) Referenced in the "Comments" column for each adapter that is supported but not tested.	This adapter is supported, but not tested. This adapter model has not been tested with this server board, but Intel will support it based on successful testing of a similar adapter from the same adapter family. Intel has high confidence that this adapter will function correctly with the server board. This adapter uses the same firmware and drivers, and has a nearly identical system interface to another adapter of the same family that has been successfully tested with this server board. In addition, Intel has secured IHV commitment to support the similar adapters equally. Customers should always test adapters as part of the final system configuration prior to deployment. All installation guidelines for the tested adapter also apply to the similar adapter.
IHVT (IHV Tested)	This adapter or peripheral was tested according to Intel-approved guidelines and test procedures by the Independent Hardware Vendor (IHV) that manufactured this adapter or peripheral. Intel provides the same level of support for all the adapters or peripherals listed in this document, regardless of whether this adapter or peripheral was tested in an Intel lab or not. IHV test reports remain the property of the IHV (Intel cannot provide copies of these reports).

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 are 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 adapters cards normally is performed with unused add-in adapters and onboard controller expansion ROMs 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.

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9

4.1 PCI SCSI RAID

Manufacturer	Model Number	Model Name	Interface	Comments	Win 2003 EE/SBS	Win 2003 EM64T	Win 2000 AS/SBS	NetWare 6.5	RHEL 4.0 EM64T	RHEL 4.0	SuSe 9 EM64T	SuSe 9
Adaptec	ASR-2200S	ASR-2200S	PCI-64/66	BIOS:4.2-0 FW:7349	1,2,3,4,5,6	3,4,5	1,2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	2,3,4,5	2,3,4,5,6
Adaptec	ASR-2120S	ASR-2120S	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
ICP vortex	GDT8514RZ	GDT8514RZ	PCI-64/66	BIOS:7.05C FW:2.44.00-RC75	1,2,3,4,5,6	3,4	1,3,4,5,6	1,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
ICP vortex	GDT8524RZ	GDT8524RZ	PCI-64/66	BOS:7.05C FW:2.44.00-RC75	2,3,4,5,6	3,4	2,3,4,5,6	2,3,4,5,6	2,3,4,5	2,3,4,5	2,3,4,5	2,3,4,5
Intel	SRCU41L	SRCU41L	PCI-64/66	BIOS: G401 FW:314N	2,3,4,5,6	3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5	2,3,4,5,6
Intel	SRCU42E	SRCU42E	PCI-E x8	BIOS:H431 FW:514O	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5	3,4,5,6
Intel	SRCU42L	SRCU42L	PCI-64/66	BIOS:7.05C FW:2.42.02-R07A	1,3,4,5,6	3,4,5	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
Intel	SRCU42X	SRCU42X	PCI-X133	BIOS:H431 FW:414D	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
LSI Logic	MegaRAID 320-2 (518)	MegaRAID SCSI 320-2	PCI-64/66	BIOS:G119 FW:1L37 *See Section 6.2	1,2*,3,4,5,6	3,4,5	1,2*,3,4,5,6	1,3,4,5,6	1,2*,3,4,5,6	1,2*,3,4,5,6	2*,3,4,5,6	2*,3,4,5,6
LSI Logic	MegaRAID 320-1 (520-1)	MegaRAID SCSI 320-1	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	MegaRAID SCSI 320-2E	MegaRAID SCSI 320-2E	PCI-E x8	BIOS:H430 FW:514L	[2],3,4,5,6	3,4,5	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
LSI Logic	MegaRAID SCSI 320-2x	MegaRAID SCSI 320-2x	PCI-X133	BIOS:H420 FW:413Y	[1],2,3,4,5,6	3,4,5	[1],2,3,4,5,6	1,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
LSI Logic	MegaRAID SCSI 320-4x	MegaRAID SCSI 320-4x	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA

4.2 PCI SATA RAID

Manufacturer	Model Number	Model Name	Interface	Comments	Win 2003 EE/SBS	Win 2003 EM64T	Win 2000 AS/SBS	NetWare 6.5	RHEL 4.0 EM64T	RHEL 4.0	SuSe 9 EM64T	SuSe 9
Adaptec	AAR2410SA	AAR2410SA	PCI-64/66	BIOS:4.2-0 G118 FW:7348	1,2,3,4,5,6	3,4,5	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,[4],5,6	2,3,4,5,6

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Adaptec	AAR2810SA	AAR2810SA	PCI-64/66		1	NT	1	ND	1	1	NT	NT
AMCC/3ware	9500S-8	9500S-8	PCIX-66	BIOS:BE9X 2.03.01.051 FW:FE9X 2.06.00.009	3,4,5,6	6	2,3,4,5,6	ND	5,6	2,3,4,5,6	ND	2,3,4,5,6
AMCC/3ware	9500S-12	9500S-12	PCI-X66		SA	SA	SA	SA	SA	SA	SA	SA
AMCC/3ware	9500S-12ML	9500S-12ML	PCI-X66		SA	SA	SA	SA	SA	SA	SA	SA
AMCC/3ware	9500S-4LP	9500S-4LP	PCI-X66		SA	SA	SA	SA	SA	SA	SA	SA
AMCC/3ware	9500S-8ML	9500S-8ML	PCI-X66		SA	SA	SA	SA	SA	SA	SA	SA
ICP Vortex	GDT8586RZ	GDT8586RZ	PCI-64/66	BIOS:7.05C FW:2.44.00-RC75	1,3,4,5,6	3,4	1,2,3,4,5,6	2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
Intel	SRCS14L	SRCS14L	PCI-64/66	BIOS:7.05C FW:2.42.02-R07A	2,3,4,5,6	3,4,[5]	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5	2,3,4,5,6
Intel	SRCS16	SRCS16	PCI-64/66	BIOS:G401 FW:713Q	1,3,4,5,6	3,4,5	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	[1],2,3,4,5,6	2,3,[4],[5]	[2],3,4,5,6
Intel	SRCS28X	SRCS28X	PCI-X133	BIOS:H431 FW:814B	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6
LSI Logic	MegaRAID SATA 150-6	MegaRAID SATA 150-6	PCI-64/66	BIOS:G911 FW:713N	1,3,4,5,6	3,4,5	1,2,3,4,5,6	2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
LSI Logic	MegaRAID SATA 150-4	MegaRAID SATA 150-4	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
Promise	FastTrak S150 TX4	FastTrak S150 TX4	PCI-32/66	FW 1.00.0.30	1,2		1	2	[2]	1,2	NT	NT
Promise	FastTrak S150 SX4	FastTrak S150 SX4	PCI-32/66		1		1,2	ND	NT	ND	NT	NT
3Ware	8506-8	8506-8	PCI-64/66		1		1	ND	1	1	NT	NT
3Ware	8506-4LP	8506-4LP	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
3Ware	8506-12	8506-12	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
D-Link	DGE-550T	GigaExpress DGE-550T	PCI -66		2		2	2	2	2	2	2

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9

4.3   PCI SCSI

Adaptec	ASC-29160	ASC-29160	PCI-64/66	BIOS:3.10.0	1,2,3,4,5,6	3,4,5	1,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
Adaptec	ASC-29160LP	ASC-29160LP	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-29160N	ASC-29160N	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-29320ALP	ASC-29320ALP	PCI-X133	BIOS:4.30.0	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Adaptec	ASC-29320A	ASC-29320A	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-29320LP-R	ASC-29320LP-R	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-29320-R	ASC-29320-R	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-39160	ASC-39160	PCI-64/66	BIOS:3.10.0	1,2,3,4,5,6	3,4,5	1,3,4,5,6	1,2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
Adaptec	ASC-39320-A	ASC-39320-A	PCI-X133	BIOS:4.3	1,3,4,5,6	3,4,5	1,3,4,5,6	1,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
Adaptec	ASC-39320D-R	ASC-39320D-R	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-39320-R	ASC-39320-R	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI20160	LSI20160	PCI-32/33	BIOS:H4.20 FW:413Y	1,2,3,4,5,6	3,4,5	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
LSI Logic	LSI20160L	LSI20160L	PCI-32/33		SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI22320-R	LSI22320-R	PCI-X133	BIOS:5.10.02 FW:1.03.23	1,2,3,4,5,6	3,4,5	1,[2],3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
LSI Logic	LSI20320-R	LSI20320-R	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI22320E-R	LSI22320E-R	PCI Express		2		[2]	2	2	2	2	2

4.4   PCI SAS

Adaptec	ASC-48300	ASC-48300	PCI-X133	BIOS:1.10.1618 FW:893	[4],6	[4],5	[4].6	[4]	[4],5,6	[4],6	[4],5,6	[4],6

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
LSI Logic	3442x	3442x	PCI-X133	BIOS:6.06.03.00F W:0.07.07.00	6	4,5,6	6	6	4,5,6	6	4,5	6

4.5   PCI MROMB

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Intel	SRCZCRX	SRCZCRX	PCI-X133	BIOS:H431 FW:414D	1,2,3,4,5,6	3,4,5,6	1,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
LSI Logic	MegaRAID SCSI 320-0 (520-0)	MegaRAID SCSI 320-0	PCI-64/66	BIOS:G118 FW:1Z33	1,2,3,4,5,6	3,4,5	1,3,4,5,6	3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5,6	3,4,5,6

4.6   PCI Fiber Channel

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Emulex	LP10000DC	LP10000DC-M2	PCI-X133	BIOS:TB1.70A3 FW:TS1.91A1	[1],2,3,4,5,6	3,4,5	[1],2,3,4,5,6	1,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5	2,3,4,5,6
Emulex	LP10000	LP10000-M2	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Emulex	LP1050	LP1050-F2	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Emulex	LP1050DC	LP1050DC-F2	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Emulex	LP10000ExDC	LP10000ExDC-M2	PCI-E x4	BIOS:TB1.70A3 FW:TS1.91A1	2,3,4,5,6	3,4,5	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Emulex	LP1050Ex	LP1050Ex-F2	PCI-E x4		SA	SA	SA	SA	SA	SA	SA	SA
Emulex	LP9002L	LP9002L	PCI-64/66	BIOS: CB1.70A3 FW:CS3.93A0	1,2,3,4,5,6	3,4,5	1,2,3,4,5,6	1,2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
Emulex	LP952L	LP952L	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
Emulex	LP9802DC	LP9802DC	PCI-X133	BIOS:HB1.70A1 FW:HF1.91A1	[1],2,3,4,5	3,4,5	[1],2,3,4,5	ND	1,3,4,5	1,3,4,5	3,4,5	3,4,5
Emulex	LP9802	LP9802	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Emulex	LP982	LP982-F2	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI7202XP-LC	LSI7202XP-LC	PCI-X133	BIOS:2.02.01 FW:1.02.11	3,4,5,6	3,4,5,6	[3],4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5	3,4,5,6
LSI Logic	LSI7102XP-LC	LSI7102XP-LC	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI7402XP-LC	LSI7402XP-LC	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
QLogic	QLA2200L	QLA2200L	PCI-64/66	FW 1.61	1		1	1	1	1	NT	NT
QLogic	QLA2200/66	QLA2200/66	PCI-64/66		SA	SA	SA	SA	SA	SA	SA	SA
QLogic	QLA2342	QLA2342	PCI-X133	BIOS:1.43 FW:3.02.28	1,2,3,4,5,6	3,4,5	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
QLogic	QLA2340	QLA2340	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
QLogic	QLE2362	QLE2362	PCI-E x4	BIOS:1.05 FW:3.03.07	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6
QLogic	QLE2360	QLE2360	PCI-E x4		SA	SA	SA	SA	SA	SA	SA	SA

4.7   PCI InfiniBand

Manufacturer	Model Number	Model Name	Interface	Comments								
Infinicon	7104-HCA-128LPx	InfiniServ 9000 Low Profile HCA 128MB	PCI-E x8	*Test config: BIOS P04, RHEL3 U2 Kernel 2.4.21-15ELsmp, InfiniServ drivers 2.1.1.1.21	NT	NT	NT	NT	NT	*	NT	NT

4.8   PCI NIC

Manufacturer	Model Number	Model Name	Interface	Comments								
3COM	3C905C-TX-M	EtherLink 10/100 PCI	PCI 32/33		1,2,3,4,5	NT	1,2,3,4,5	1,2,3,4,5	1,2,3	1,2,3,4,5	2,3	2,3,4,5
3COM	3C980C-TXM	EtherLink Server 10/100 PCI Managed	PCI-32/33		1,2,3,4,5	NT	1,2,3,4,5	1,2,3,4,5	1,2,3	1,2,3,4,5	2,3	2,3,4,5
3COM	3C996B-T	3C996B-T Gigabit Server Adapter	PCI-X133		NT		NT	NT	NT	1	NT	NT
Intel	PILA8470D3	PRO/100+ S Server	PCI-32/33		1,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
Intel	PILA8470C3	PRO/100+ S Server	PCI-32/33		SA	SA	SA	SA	SA	SA	SA	SA
Intel	PILA8472C3	PRO/100+ Dual Port	PCI-64/66		1,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
Intel	PWLA8490MT	PRO/1000MT Gigabit Server Adapter	PCI-X133		1,2,3,4,5,6	3,4,5	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5,6	3,4,5,6

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Intel	PWLA8490MF	PRO/1000MF Gigabit Server Adapter	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Intel	PWLA8490XT	PRO/1000XT Gigabit Server Adapter	PCI-X133		1,2,3,4,5,6	3,4,5	1,2,3,4,5,6	1,3,4,5,6	1,3,4,5,6	1,3,4,5,6	3,4,5	3,4,5,6
Intel	PWLA8490XF	PRO/1000XF Gigabit Server Adapter	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Intel	PWLA8490XFL	PRO/1000XFL Gigabit Server Adapter	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Intel	PWLA8490XTL	PRO/1000XTL Gigabit Server Adapter	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Intel	PWLA8492MT	PRO/1000MT Dual Port Gigabit Server Adapter	PCI-X133		1,3,4,5,6	3,4,5	1,3,4,5,6	1,3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5	2,3,4,5,6
Intel	PWLA8492MF	PRO/1000MF Dual Port Gigabit Server Adapter	PCI-X133		SA	SA	SA	SA	SA	SA	SA	SA
Intel	PWLA8494MT	PRO/1000 MT Quad Port Server Adapter	PCI-X133		2,3,4,5,6	3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5	2,3,4,5,6
Intel	EXPI9300PT	PRO/1000 PT Single Port Gigabit Desktop Adapter	PCI-E x1		5,6	5	5,6	5,6	5,6	5,6	5	5,6
Intel	EXPI9400PT	PRO/1000 PT Single Port Gigabit Server Adapter	PCI-E x1		5,6	5,6	5,6	5,6	5,6	5,6	5	5,6
Intel	EXPI9402PT	PRO/1000 PT Dual Port Gigabit Server Adapter	PCI-E x4		4,5,6	4,5	4,5,6	4,5,6	4,5,6	4,5,6	4,5,6	4,6
Syskonnect	SK-9E21	SK-9E21	PCI-E x1		3,4,5,6	3,4,5	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5	3,4,5,6
Syskonnect	SK-9E21D	SK-9E21D	PCI-E x1		2,3,4,5,6	3,4,5	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5	2,3,4,5,6
Syskonnect	SK-9E22	SK-9E22	PCI-E x4		3,4,5,6	3,4,5	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5	3,4,5,6

4.9   Modems

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
3COM	3CP3453B (= 3CP3453)	V.Everything 56K Analog Corporate Modem	RS-232		2,3,4,5,6	3,4,5,6	2,3,4,5,6	NT	2,3,4,5,6	2,3,4,5,6	[2],3,4,5,[6]	2,3,4,5,6
3COM	USR5610B	56K V.92 Performance Pro	PCI-32/33		1,2,3,4,5,6	6	1,2,3,4,5,6	NT	2,6	2,3,4,5,6	2,[6]	2,3,4,5,6

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9

4.10 Keyboard/Mouse

Keytronic	E06101USB-C	E06101USB-C	USB	Keyboard with 2 port USB hub	1.2,3,4,5,6	3,4,5,6	1.2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Keytronic	PRO Pilot	PRO Pilot	PS/2	Keyboard	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Microsoft	Intellimouse Optical	Intellimouse Optical	PS/2 and USB	Mouse	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Rainbow	SRB10741/ERB01221	Sentinel Duo Hardware Key	USB	USB Security Key	1,2,3,4,6	3,4,6	1,2,3,4,6	ND	5,6	5,6	5,6	5,6
LOGITECH	930582-0121	Optical mouse	PS/2 and USB	Mouse	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
LOGITECH	930582-0403	Optical mouse	PS/2 and USB	Mouse	SA	SA	SA	SA	SA	SA	SA	SA
LOGITECH	967233-0121	Internet Navigator	PS/2 and USB	Keyboard	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
LOGITECH	967233-0403	Internet Navigator	PS/2 and USB	Keyboard	SA	SA	SA	SA	SA	SA	SA	SA

4.11 CDROM Drives

Mitsumi	SR244W1	SR244W1	IDE/Slimline		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Teac	CD-232E	CD-232E	ATA33		1	NT	1	1	NT	1	NT	NT
Plextor	PlexWriter/ Premium-U - 52/32/52	PlexWriter/ Premium-U	USB		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Plextor	PX-W4012TU	PlexWriter 40/12/40S	USB		2	NT	2	2	2	2	2	2
Samsung	SN-324B	24x10x24	IDE/Slimline	CD-RW / DVD-ROM combo	2,3,4,5,6	4,5,6	2,3,4,5,6	2,3,4,5,6	2,4,5,6	2,3,4,5,6	2,4,5,6	2,3,4,5,6
LiteOn	SOSC-2483K	SOSC-2483K	IDE/Slimline	DVD±R/RW CD-R/RW	2,3,4,5,6	4,5,6	2,3,4,5,6	2,3,4,5,6	2,4,5,6	2,3,4,5,6	2,4,5,6	2,3,4,5,6
TEAC	CDW540E/KIT/USB2	CDW540E/KIT/USB2	USB		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
IBM	22P6991	24x10x24	IDE/Slimline	CD-RW / DVD-ROM combo	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Panasonic	UJDA750	UJDA750	IDE/Slimline	CD-RW / DVD-ROM combo	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6
Toshiba	SD-R6112	SD-R6112	ATAPI/Slimline (ATA packet interface)	CD-RW / DVD-ROM combo	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6

4.12 DVD Drives

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Panasonic	CW-8123B	CW-8123B	ATA		1,2	NT	1,2	1,2	2	1,2	2	2
PIONEER	DVR-S606	DVR-S606	USB2.0		1,2,3,4,5,6	5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,5,6	1,2,3,4,5,6	2,5,6	2,3,4,5,6
Sony	DRX-510UL	DRX-510UL	USB2.0		1,2	NT	1,2	1,2	2	1,2	2	2
Teac	DV-28E-BP3	DV-28E-BP3	ATA33		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6

4.13 Tape Drives

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Certance =Seagate	STD2401LW-S	SCORPION 40 DDS4 DAT	SCSI-2U		2,3,4,5,6	3,4,5,6	2,3,4,5,6	[2],[3],[4],[5],[6]	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Sony	SDX-700C/BM	AIT-3 Desktop	SCSI-U160		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	[2],[3],[4],[5],[6]	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Sony	SDX-250V	AIT-ET (20GB) SCSI Tape Drive	SCSI	* See Section 6.3	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SDX-260V	AIT-ET (20GB) ATAPI Tape Drive	ATAPI	* See Section 6.3	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SDX-450V	AIT-1T (40GB) SCSI Tape Drive	SCSI	* See Section 6.3	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SDX-460V	AIT-1T (40GB) ATAPI Tape Drive	ATAPI	* See Section 6.3	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SDX-550V	AIT-2T (80GB) SCSI Tape Drive	SCSI	* See Section 6.3	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Sony	SDX-560V	AIT-2T (80GB) ATAPI Tape Drive	ATAPI	*** See Section 6.3**	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SDX-700V	AIT-3 (100GB) SCSI Tape Drive	SCSI	*** See Section 6.3**	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SDX-900V	AIT-4 (200GB) SCSI Tape Drive	SCSI	*** See Section 6.3**	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT
Sony	SAITe1300SS	SAIT1(500GB) SCSI Tape Drive	SCSI	*** See Section 6.3**	IHVT*	IHVT*	NT	NT	NT	NT	NT	NT

4.14 Removable Drives

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Iomega	32324	ZIP 750MB USB 2.0	USB 2.0		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Iomega	32328	Zip 750MB Internal ATAPI Drive - PC Only	ATA		1	NT	1	NT	NT	NT	NT	NT
Iomega	SKU 33105	Micro Mini™ 512MB Drive	USB 2.0		3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6
Mitsumi	D353F3	D353F3	USB	Floppy	1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Lexar	JD1GB-80-231	1GB USB Flash Drive	USB 2.0		3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6	3,4,5,6
Sony	PCGA-UFD5	VAIO External USB floppy	USB		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Sandisk	SDCZ2-256	Mini Cruzer Data Storage	USB		2	NT	2	2	[2]	[2]	2	2
Teac	FDO5PUB	FDO5PUB	USB	Floppy	1,2,3,4,5	4,5	1,2,3,4,5	1,2,3,4,5	2,4,5	1,2,3,4,5	2,4,5	2,3,4,5

4.15 KVM

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Avocent	1160ES	1160ES	PS/2		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6	2,3,4,5,6
Belkin	F1DA108T	Omniview PRO2 Series	PS/2		1,2,3,4,5,6	3,4,5,6	1,2,3,4,5,6	1,[2],3,4,5,6	[2],3,4,5,6	[2],3,4,5,6	[2],3,4,5,6	[2],3,4,5,6

4.16 Video Adapters

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Matrox	G45FMDVP32DB	Millennium G450	PCI-32/33		2	NT	2	2	2	2	2	2

Manufacturer	Model Number	Model Name	Interface	Comments	Microsoft* Windows* 2003 EE / SBS 2003	Microsoft* Windows* 2003 EE EM64T	Microsoft* Windows* 2000 AS / SBS 2000	Novell NetWare* 6.5	Red Hat Enterprise Linux 4.0 EM64T	Red Hat Enterprise Linux 4.0	SuSe Linux Enterprise Server 9 EM64T	SuSe Linux Enterprise Server 9
Diamond=ATI	Stealth S80 =ATI Radeon 9200 SE	RADEON 9200SE	PCI-32/33		2	NT	2	2	2	2	2	2

5.   Hard Disk Drives

The hard drives listed in the following table have been tested with the Intel® server board **SE7520JR2** 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* 2000 Advanced Server
3	Novell NetWare* 6.5
4	Novell NetWare* 5.1
5	Red Hat Enterprise Linux* 3.0
6	Red Hat Enterprise Linux* 3.0 EM64T
7	SuSE Linux 9.1 Professional
8	SuSE Linux 9.1 Professional EM64T
9	SuSe Linux Enterprise Server 9
10	SuSe Linux Enterprise Server 9 EM64T
11	Microsoft Windows* Server 2003 Enterprise Edition EM64T
12	Red Hat Enterprise Linux* 4.0
13	Red Hat Enterprise Linux* 4.0 EM64T

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)	The hard disk drive is supported, but not tested. This hard drive model/capacity has not been tested with this server board, but Intel will support it based on successful testing of a larger capacity hard drive from the same hard drive family. Intel has high confidence that this hard drive will function correctly with the server board. This drive uses 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. Given the fact that a larger capacity hard drive from the same drive family has successfully completed testing on this server board, this particular hard drive capacity point will not be tested.
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	Model Number	Product Family	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
SCSI Hard Drives							
Fujitsu	MAP3147NC	MAP	SCSI/U320	10K	147GB	1,2,3,5,7	
Fujitsu	MAP3367NC	MAP	SCSI/U320	10K	36GB	SD	
Fujitsu	MAP3735NC	MAP	SCSI/U320	10K	73GB	SD	
Fujitsu	MAS3735NC	MAS	SCSI/U320	15K	73GB	1,2,3,5,7	
Fujitsu	MAS3367NC	MAS	SCSI/U320	10K	36GB	SD	
Fujitsu	MAS3184NC	MAS	SCSI/U320	10K	18GB	SD	
Fujitsu	MAT3073NC	AL-9LE	SCSI/U320	10K	73GB	1,2,3,5	
Fujitsu	MAT3147NC	AL-9LE	SCSI/U320	10K	147GB	1,2,3,5	
Fujitsu	MAT3300NC	AL-9LE	SCSI/U320	10K	300GB	1,2,3,5	
Fujitsu	MAU3036NC	AL-9LX	SCSI/U320	15K	36GB	1,2,3,5	
Fujitsu	MAU3073NC	AL-9LX	SCSI/U320	15K	73GB	1,2,3,5	
Fujitsu	MAU3147NC	AL-9LX	SCSI/U320	15K	147GB	1,2,3,5	
Hitachi	DK32EJ-14	DK32EJ	SCSI/U320	10K	147GB	1,2,3,5	
Hitachi	DK32EJ-36	DK32EJ	SCSI/U320	10K	35GB	SD	
Hitachi	DK32EJ-72	DK32EJ	SCSI/U320	10K	72GB	SD	
Hitachi	HUS103030EL3800	Ultrastar 10K300	SCSI/U320	10K	300GB	1,2,3,5	
Hitachi	HUS103014EL3800	Ultrastar 10K300	SCSI/U320	10K	147GB	1,2,3,5	
Hitachi	HUS103073EL3800	Ultrastar 10K300	SCSI/U320	10K	73GB	1,2,3,5	
Hitachi	HUS103036EL3800	Ultrastar 10K300	SCSI/U320	10K	36GB	1,2,3,5	
Hitachi	HUS153030VL3800	Ultrastar 15K300	SCSI/U320 SCA	15K	300GB	SD	IHVT
Hitachi	HUS153014VL3800	Ultrastar 15K300	SCSI/U320 SCA	15K	147GB	1,3,5,6,12,13	IHVT
Hitachi	HUS153073VL3800	Ultrastar 15K300	SCSI/U320 SCA	15K	73GB	1,3,5,6,12,13	IHVT
Hitachi	HUS157373EL3800	Ultrastar 15K73	SCSI/U320 SCA	15K	73GB	1,2,3,5,6,9,10	
Hitachi	HUS157373EL3600	Ultrastar 15K73	SCSI/U320 68pin	15K	73GB	SD	
Hitachi	HUS157336EL3800	Ultrastar 15K73	SCSI/U320 SCA	15K	36GB	SD	
Hitachi	HUS157336EL3600	Ultrastar 15K73	SCSI/U320 68pin	15K	36GB	SD	
Hitachi	HUS151473VL3800	Ultrastar 15K147	SCSI/U320 SCA	15K	73GB	1,2,3,5,9,12	
Hitachi	HUS151473VL3600	Ultrastar 15K147	SCSI/U320 68pin	15K	73GB	SD	
Hitachi	HUS151414VL3800	Ultrastar 15K147	SCSI/U320 SCA	15K	146GB	SD	
Hitachi	HUS151414VL3600	Ultrastar 15K147	SCSI/U320 68pin	15K	146GB	SD	
Hitachi	HUS151436VL3800	Ultrastar 15K147	SCSI/U320 SCA	15K	36GB	SD	
Hitachi	HUS151436VL3600	Ultrastar 15K147	SCSI/U320 68pin	15K	36GB	SD	
Maxtor	8B146J0	Atlas 10K IV	SCSI/U320	10K	146GB	1,2,3,5,6,7,9,10	
Maxtor	8B074J0	Atlas 10K IV	SCSI/U320	10K	73GB	SD	
Maxtor	8B036J0	Atlas 10K IV	SCSI/U320	10K	36GB	SD	
Maxtor	8D300J0	Atlas 10K V	U320/SCA	10K	300GB	1,2,3,5,6,9,10,11,12,13	

Manufacturer	Model Number	Product Family	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
Maxtor	8D073J0	Atlas 10K V	U320/SCA	10K	73GB	SD	
Maxtor	8D147J0	Atlas 10K V	U320/SCA	10K	147GB	SD	
Maxtor	8D300L0	Atlas 10K V	U320/68pin	10K	300GB	SD	
Maxtor	8D073L0	Atlas 10K V	U320/68pin	10K	73GB	SD	
Maxtor	8D147L0	Atlas 10K V	U320/68pin	10K	147GB	SD	
Maxtor	8J300J0	Atlas 10K V (RoHS)	U320/SCA	10K	300GB	SD	
Maxtor	8J073J0	Atlas 10K V (RoHS)	U320/SCA	10K	73GB	SD	
Maxtor	8J147J0	Atlas 10K V (RoHS)	U320/SCA	10K	147GB	SD	
Maxtor	8J300L0	Atlas 10K V (RoHS)	U320/68pin	10K	300GB	SD	
Maxtor	8J073L0	Atlas 10K V (RoHS)	U320/68pin	10K	73GB	SD	
Maxtor	8J147L0	Atlas 10K V (RoHS)	U320/68pin	10K	147GB	SD	
Maxtor	8C073J0	Atlas 15K	SCSI/U320	15K	73GB	1,2,3,5,7	QSJNZ3
Maxtor	8C036J0	Atlas 15K	SCSI/U320	15K	36GB	SD	
Maxtor	8C018J0	Atlas 15K	SCSI/U320	15K	18GB	SD	
Maxtor	8E147J0	Atlas 15K II	SCSI /U320	15K	147GB	1,2,3,5	IHVT
Maxtor	8E147J0	Atlas 15K II	U320/SCA	15K	147GB	1,2,3,5	IHVT
Maxtor	8E147L0	Atlas 15K II	U320/68pin	15K	147GB	SD	IHVT
Maxtor	8E036J0	Atlas 15K II	U320/SCA	15K	36GB	SD	IHVT
Maxtor	8E036L0	Atlas 15K II	U320/68pin	15K	36GB	SD	IHVT
Maxtor	8E073J0	Atlas 15K II	U320/SCA	15K	73GB	SD	IHVT
Maxtor	8E073L0	Atlas 15K II	U320/68pin	15K	73GB	SD	IHVT
Maxtor	8K147J0	Atlas 15K II (RoHS)	U320/SCA	15K	147GB	SD	IHVT
Maxtor	8K147L0	Atlas 15K II (RoHS)	U320/68pin	15K	147GB	SD	IHVT
Maxtor	8K036J0	Atlas 15K II (RoHS)	U320/SCA	15K	36GB	SD	IHVT
Maxtor	8K036L0	Atlas 15K II (RoHS)	U320/68pin	15K	36GB	SD	IHVT
Maxtor	8K073J0	Atlas 15K II (RoHS)	U320/SCA	15K	73GB	SD	IHVT
Maxtor	8K073L0	Atlas 15K II (RoHS)	U320/68pin	15K	73GB	SD	IHVT
Seagate	ST3146807LC	Cheetah 10K.6	SCSI/U320	10K	147GB	1,2,3,5,6,7,9,10	
Seagate	ST336607LC	Cheetah 10K.6	SCSI/U320	10K	36GB	SD	
Seagate	ST373307LC	Cheetah 10K.6	SCSI/U320	10K	73GB	SD	
Seagate	ST3300007LC	Cheetah 10K.7	U320/SCA	10K	300GB	1, 2, 3, 5, 6,9,10,11,12	
Seagate	ST373207LC	Cheetah 10K.7	U320/SCA	10K	73GB	SD	
Seagate	ST3146707LC	Cheetah 10K.7	U320/SCA	10K	147GB	SD	
Seagate	ST3300007LW	Cheetah 10K.7	U320/68pin	10K	300GB	SD	
Seagate	ST373207LW	Cheetah 10K.7	U320/68pin	10K	73GB	SD	

Manufacturer	Model Number	Product Family	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
Seagate	ST3146707LW	Cheetah 10K.7	U320/68pin	10K	147GB	SD	
Seagate	ST373453LC	Cheetah 15K.3	U320/SCA	15K	73GB	1,2,3,5,6,7,9,10,12,13	
Seagate	ST336753LC	Cheetah 15K.3	U320/SCA	15K	36GB	SD	
Seagate	ST318453LC	Cheetah 15K.3	U320/SCA	15K	18GB	SD	
Seagate	ST373454LC	Cheetah 15K.4	U320/SCA	15K	73GB	1,2,3,5,6,9,10,11,12,13	
Seagate	ST336754LC	Cheetah 15K.4	U320/SCA	15K	36GB	SD	
Seagate	ST3146854LC	Cheetah 15K.4	U320/SCA	15K	146GB	SD	
Seagate	ST373454LW	Cheetah 15K.4	U320/68pin	15K	73GB	SD	
Seagate	ST336754LW	Cheetah 15K.4	U320/68pin	15K	36GB	SD	
Seagate	ST3146854LW	Cheetah 15K.4	U320/68pin	15K	146GB	SD	
Serial ATA (SATA) Hard Drives							
Hitachi	HDS722525VLSA80	Deskstar 7K250	SATA/150	7200	250GB	1,2,3,5,6,9,10,11,12,13	
Hitachi	HDS722516VLSA80	Deskstar 7K250	SATA/150	7200	160GB	SD	
Hitachi	HDS722512VLSA80	Deskstar 7K250	SATA/150	7200	120GB	SD	
Hitachi	HDS722580VLSA80	Deskstar 7K250	SATA/150	7200	80GB	SD	
Hitachi	HDT722525DLA380	Deskstar T7K250	SATA/150	7200	250GB	1,2,3,5,6,7	IHVT
Hitachi	HDT722516DLA380	Deskstar T7K250	SATA/150	7200	160GB	SD	IHVT
Hitachi	HDS724040KLSA80	Deskstar 7K400	SATA/150	7200	400GB	1,2,3,5,6,7	IHVT
Hitachi	HDS725050KLA360	Deskstar 7K500	SATA/300	7200	500GB	1,2,3,5,6,7	IHVT
Hitachi	HDS728080PLA380	Deskstar 7K80	SATA/150	7200	80GB	1,2,3,5,6,7	IHVT
Hitachi	HDS728040PLA320	Deskstar 7K80	SATA/150	7200	40GB	SD	IHVT
Hitachi	HDT722525DLA380	Deskstar T7K250	SATA/150	7200	250GB	1,2,3,5,6,7	IHVT
Hitachi	HDT722516DLA380	Deskstar T7K250	SATA/150	7200	160	SD	IHVT
Hitachi	HDS724040KLSA80	Deskstar 7K400	SATA/150	7200	400GB	1,2,3,5,6,7	IHVT
Hitachi	HDS725050KLA360	Deskstar 7K500	SATA/150	7200	500GB	1,2,3,5,6,7	IHVT
Hitachi	HDS728040PLAT20	Deskstar 7K80	SATA/150	7200	80GB	1,2,3,5,6,7	IHVT
Hitachi	HDS728040PLAT20	Deskstar 7K80	SATA/150	7200	40GB	SD	IHVT
Hitachi	HDS721616PLA380	Deskstar 7K160	SATA/150	7200	160GB	1,2,3,5,6,7	IHVT
Hitachi	HDS721680PLA380	Deskstar 7K160	SATA/150	7200	80GB	1,2,3,5,6,7	IHVT
Hitachi	HDS721612PLA380	Deskstar 7K160	SATA/150	7200	120GB	SD	IHVT
Maxtor	6Y120M0	DiamondMax Plus 9	SATA/150	7200	120GB	1,2,3,5,6,9,10,11,12,13	
Maxtor	6Y060M0	DiamondMax Plus 9	SATA/150	7200	60GB	SD	
Maxtor	6Y080M0	DiamondMax Plus 9	SATA/150	7200	80GB	SD	
Maxtor	6Y160M0	DiamondMax Plus 9	SATA/150	7200	160GB	SD	
Maxtor	6Y200M0	DiamondMax Plus 9	SATA/150	7200	200GB	SD	
Maxtor	7B300S0/7L300S0	Maxline III	SATA/150	7200	300GB	1,2,3,5,6,9,10,11,12,13	

Manufacturer	Model Number	Product Family	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
Maxtor	7B250S0/7L250S0	Maxline III	SATA/150	7200	250GB	SD	
Seagate	ST3160023AS	Barracuda 7200.7	SATA/150	7200	160GB	1,2,3,5,6,9,10,12,13	
Seagate	ST3120023AS	Barracuda 7200.7	SATA/150	7200	120GB	SD	
Seagate	ST3200822AS	Barracuda 7200.7	SATA/150	7200	200GB	SD	
Seagate	ST380013AS	Barracuda 7200.7	SATA/150	7200	80GB	SD	
Seagate	ST3400633NS	Barracuda 7200.9	SATA/300	7200	400GB	1,2,13	IHVT
Seagate	ST3250624NS	Barracuda 7200.9	SATA/300	7200	250GB	SD	IHVT
Seagate	ST3500641NS	Barracuda 7200.9	SATA/300	7200	500GB	1,2,13	IHVT
Seagate	ST3808110AS	Barracuda 7200.9	SATA/300	7200	80GB	SD	IHVT
Seagate	ST3750640NS	Barracuda 7200.10	SATA/300	7200	750GB	1,2,13	IHVT
Seagate	ST3500630NS	Barracuda 7200.10	SATA/300	7200	500GB	SD	IHVT
Seagate	ST3400620NS	Barracuda 7200.10	SATA/300	7200	400GB	SD	IHVT
Seagate	ST3320620NS	Barracuda 7200.10	SATA/300	7200	320GB	SD	IHVT
Seagate	ST3250620NS	Barracuda 7200.10	SATA/300	7200	250GB	SD	IHVT
Western Digital	WD740GD	WD Raptor	SATA/150	10K	74GB	1,2,3,5,6,9,10,11,12,13	
Western Digital	WD360GD	WD Raptor	SATA/150	10K	36GB	SD	
SAS Hard Drives							
Fujitsu	MAU3036RC	AL9LX	SAS-300 SCA	15K	36GB	1,2,3,9,10,11,12,13	
Fujitsu	MAU3073RC	AL9LX	SAS-300 SCA	15K	73GB	SD	
Fujitsu	MAU3147RC	AL9LX	SAS-300 SCA	15K	147GB	SD	
Fujitsu	MAX3036RC	AL9LX(RoHS)	SAS-300 SCA	15K	36GB	SD	
Fujitsu	MAX3073RC	AL9LX(RoHS)	SAS-300 SCA	15K	73GB	SD	
Fujitsu	MAX3147RC	AL9LX(RoHS)	SAS-300 SCA	15K	147GB	SD	
Maxtor	8E073S0	Atlas 15K II	SAS-300 SCA	15K	73GB	1,2,6,10,11,13	
Maxtor	8E036S0	Atlas 15K II	SAS-300 SCA	15K	36GB	SD	
Maxtor	8E147S0	Atlas 15K II	SAS-300 SCA	15K	147GB	SD	
Seagate	ST3146854SS	Cheetah 15K.4	SAS 3G	15K	147GB	1,9	IHVT
Seagate	ST373454SS	Cheetah 15K.4	SAS 3G	15K	73GB	SD	IHVT
Seagate	ST336754SS	Cheetah 15K.4	SAS 3G	15K	36GB	SD	IHVT
Paralell ATA (PATA) Hard Drives							
Hitachi	IC35L180AVV207	Deskstar 180GXP	ATA/100	7200	180GB	1,2,5	
Hitachi	IC35L120AVV207	Deskstar 180GXP	ATA/100	7200	120GB	SD	
Hitachi	IC35L090AVV207	Deskstar 180GXP	ATA/100	7200	90GB	SD	

Manufacturer	Model Number	Product Family	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
Hitachi	IC35L060AVV207	Deskstar 180GXP	ATA/100	7200	60GB	SD	
Hitachi	IC35L030AVV207	Deskstar 180GXP	ATA/100	7200	30GB	SD	
Hitachi	HDS722516VLAT80	Deskstar 7K250	ATA/100	7200	160GB	1,2,3,5,6,9,10,11,12,13	
Hitachi	HDS722512VLAT80	Deskstar 7K250	ATA/100	7200	120GB	SD	
Hitachi	HDS722525VLAT80	Deskstar 7K250	ATA/100	7200	250GB	SD	
Maxtor	6Y200P0	DiamondMax Plus 9	ATA/133	7200	200GB	1,2,3,5,6,9,10,11,12,13	
Maxtor	6Y160P0	DiamondMax Plus 9	ATA/133	7200	160GB	SD	
Maxtor	6Y120P0	DiamondMax Plus 9	ATA/133	7200	120GB	SD	
Maxtor	6Y080P0	DiamondMax Plus 9	ATA/133	7200	80GB	SD	
Maxtor	7B300R0/7L300R0	Maxline III	ATA/133	7200	300GB	1,2,3,5,6,9,10,11,12,13	
Maxtor	7B250R0/7L250R0	Maxline III	ATA/133	7200	250GB	SD	
Seagate	ST3160023A	Barracuda	ATA/100	7200	160GB	1,2,3,5,6,9,10,11,12,13	
Seagate	ST3120026A	Barracuda	ATA/100	7200	120GB	SD	
Seagate	ST380013A	Barracuda	ATA/100	7200	80GB	SD	
Western Digital	WD2000JB	Caviar Special Edition	ATA/100	7200	200GB	1,2,3,5,6,9,10,11,12,13	
Western Digital	WD2500JB	Caviar Special Edition	ATA/100	7200	250GB	SD	
Western Digital	WD1800JB	Caviar Special Edition	ATA/100	7200	180GB	SD	
Western Digital	WD1200JB	Caviar Special Edition	ATA/100	7200	120GB	SD	
M-Systems	MD1150-D512	MD1150-D512	ATA/133		512MB	1,2,3,5,6,9,10,11,12,13	vertical 40 pin disk on chip technology
USB Hard Drives							
Addonics	AEMED35AUM	Combo Hard Drive Kit	USB			1,2,3,5,6,9,10,11,12,13	
Maxtor	S01J250	5000XT	USB		250GB	1,2,3,5,6,9,10,11,12,13	USB 2.0/1.1 and firewire hard drive

6. Installation Guidelines & Test Notes

6.1 SuSE 9.1 Professional Kernel version 2.6.4-52-smp data integrity issue.

Issue: Silent data corruption can occur when running SuSE Linux 9.1 Professional with the release kernel, 2.6.4-52-smp. This problem was seen across all platforms tested including testing performed on Intel and non-Intel server boards. A newer kernel version (2.6.5-7.75-smp or newer) appears to fix the issue.

Intel policy provides server board support only for the major releases of non-enterprise Linux products. This is because interim kernel releases for these operating systems require recompiling the Intel RAID, fiber channel, ROMB, and similar non-shipping drivers. Recompiled drivers would also then need to be re-tested for compatibility when a new Linux kernel is released.

Implication: Although a base installed is performed using SuSE Linux 9.1, the initial release of this OS is not supported due to data integrity issues within the OS.

Guideline: Customers wishing to use SuSE 9.1 Professional are advised to recompile the drivers using kernel 2.6.5-7.75-smp or newer; and perform their own validation testing for reliability and compatibility with their system configuration.

Status: SuSE 9.1 is supported for basic installation only and must be updated to kernel version 2.6.5-7.75-smp or newer.

6.2 LSI add-in RAID card Option ROM utility access issue

Issue: The system will hang when the BIOS assigns PMM segment 2FE00 and the user tries to enter into the Ctrl-M RAID configuration utility. This is cause by a bug in LSI's firmware algorithm.

Implication: User might be unable to access option ROM utility (Ctrl-M) for the following LSI add-in MegaRAID 320-2, MegaRAID 320-1, MegaRAID 320-0, MegaRAID SATA 150-6, MegaRAID SATA 150-4 and older U160 SCSI MegaRAID adapters

Guideline: BIOS P07.20 or later releases have corrected this issue, allowing users to access the Option ROM utility for the above mentioned LSI add-in adapters.

Status: LSI add-in MegaRAID 320-2, MegaRAID 320-1, MegaRAID 320-0, MegaRAID SATA 150-6, MegaRAID SATA 150-4 and older U160 SCSI MegaRAID adapters are only supported when using BIOS P07.20 or later releases.

6.3 Sony Tape Drives Test Notes

The tests for Sony tape drives SDX-250V, SDX-260V, SDX-450V, SDX-460V, SDX-550V, SDX-560V, SDX-700V, SDX-900V and SAITe1300SS were performed by Sony with P07.30 BIOS. And the tests for SDX-250V, SDX-450V, SDX-550V, SDX-700V, SDX-900V were performed with Sony KIT-RM (external AIT SCSI drive enclosure).