Intel® Server Board SE7501WV2

Tested Hardware and Operating System List

Revision 3.5

June 2006

Enterprise Platforms and Services Marketing

Revision History

Date	Revision Number	Modifications
January 2003	0.5	Initial Draft
February 2003	1.0	Adding additional validated parts. Testing is still in process.
March 2003	1.1	Adding SCSI & ATA validated parts.
March 2003	1.2	Removed 3COM 3C996B-T card. Removed Adaptec “code” names. Added additional Installation Guidelines
October 2003	2.0	Added new parts (In shaded area). Update verbiage for ATA drives
July 2004	3.0	Adding SCSI & ATA validated parts, Change IBM/Hitachi, to “Hitachi”,Adding HD validated parts, adding SuSE9.0 ,RH AS3.0 and Netware 6.5 operating system.
Aug, 2004	3.1	Adding new Maxtor Hard Drive. (In shaded area).
Nov, 2004	3.2	Adding Hitachi Ultrastar 10K300 HDD (In shaded area)
Jan, 2005	3.3	Adding Seagate Cheetah 10K.7 and 15.4 HDD
Oct, 2005	3.4	Correct the RAID card information
Jun, 2006	3.5	Adding Maxtor hard drives

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Table of Contents

1. Introduction

This document is intended to provide users of the Intel® server board SE7501WV2 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 or until the Intel server board SE7501WV2 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 SE7501WV2 is classified under two separate categories: Compatibility Testing and Stress Testing.

1.1.1 Compatibility Testing

Basic compatibility testing is performed with each supported operating system. Basic compatibility testing validates the server board can be used to 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 cards are tested. Testing may include network connectivity and running of proprietary and industry standard test suites.

Extended compatibility testing will occur on only the latest versions of a supported operating system. Extended compatibility testing will test for functionality of a variety of add-in adapters and peripherals. Test applications used will consist of both proprietary as well as 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 compatibility test process.

1.1.2 Stress Testing

Stress testing is performed only on the most current release of a supported operating system at the time of a given validation run. The stress test process consists of three areas: Base platform, Multiple Adapter, and Endurance.

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.

Multiple Adapters: Multiple adapter validation (MAV) testing uses configurations and test suites to gain an accurate view of how the server performs under varying complex configurations while interacting with network clients. Each configuration is tested for at least 12 hours.

Endurance Test: This test sequence uses configurations that include 2-6 add-in adapters (depending on chassis used) for a minimum 72-hour test run without injecting errors. Three servers operating under Microsoft* Windows* 2000 Advanced Server, Novell NetWare*, and Linux* are tested in parallel. 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.

1.2 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.

Intel server board SE7501WV2 testing was performed using the Intel server chassis SR1300 & SR2300.

2. Intel® Server Board SE7501WV2 Base System Configurations

The following table lists the base configurations tested. Base configurations will change as new revisions of the Intel® server board SE7501WV2 are released and/or new system BIOS and BMC firmware are cut onto the board in the 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.

Base System Identifier #	Board Type	Part Number	BIOS Revision	BMC Firmware Revision	SR1300/ SR2300 HSC Firmware Revision	Notes
1	SCSI	A99386-105	P01	1.0.5	Rev.5 / 7	
2	SCSI	A99386-105	P01	1.0.9	Rev.5 / 7	
3	SCSI	A99386-105	P05	1.1.0	Rev.5 / 7	
4	ATA	A99388-105	P01	1.0.8		
5	ATA	A99388-105	P01	1.1.0		
6	SCSI	A99388-108	P09	1.1.9	Rev.5 / 7	
7	SCSI	A99388-108	P28	1.1.9	Rev.5 / 7	
8	SCSI	A99388-105 A4+P	P28	1.1.9	Rev.5 / 7	
9	SCSI	A99388-109	P28	1.1.9	Rev.5 / 7	

3. Supported Operating Systems

The following table provides a list of supported operating systems for the Intel® server board SE7501WV2. Each of the listed operating systems was tested for compatibility with a base Intel server board SE7501WV2 configuration. Operating system compatibility testing verifies that the operating system will install and function with all on-board devices.

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 System	Base Configuration Tested
Microsoft* Windows Server 2003* Enterprise Edition	6,7,8,9
Linux* Red Hat* 8.0	1, 2, 3, 4, 5, 6
Linux* SuSE* 8.0	1, 2, 3, 4, 5, 6
Novell NetWare* 6.0, Service Pack 2	1, 2, 3, 4, 5, 6
Microsoft* Windows* 2000 Advanced Server, Service Pack 3 (Legacy OS)	1, 2, 3, 4, 5, 6
Microsoft* Windows NT* Server 4.0 (Enterprise Edition) (Legacy OS)	1, 2, 3, 4, 5
Linux* Red Hat* 7.3 (Legacy OS)	1, 2, 3, 4, 5
Linux* SuSE* 9.0	7,8,9
Novell netWare 6.5	7,8,9
Linux *RedHat AS 3.0	7,8,9
Novell NetWare* 5.1 (Legacy OS)	1, 2, 3, 4, 5

3.1 Server Management Software Support

The following table provides information on the type and version of server management software which has been tested and is supported with each operating system on the Intel® server board SE7501WV2.

Operating System	Server Management Software Package and version
Microsoft* Windows Server 2003* Enterprise Edition	Intel Server Management 5.5.3
Linux* Red Hat* 8.0	Intel Server Management 5.5.3
Linux* SuSE* 8.0	Intel Server Management 5.5.3
Novell NetWare* 6.0, Service Pack 2	Intel Server Management 5.5.3

3.2 Operating System Certifications

Listed below are the operating systems that Intel will certify Server board SE7501WV2. 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	Intel® SE7501WV2 Server	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/hwdq/hcl/search.asp (Search on SE7501WV2) http://developer.intel.com/design/servers/whql.htm
Microsoft* Windows* 2000 Advanced Server	Intel® SE7501WV2 Server	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/hwdq/hcl/search.asp (Search on SE7501WV2) http://developer.intel.com/design/servers/whql.htm
Novell NetWare* 6.0	Intel® SE7501WV2 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/67676.htm
Novell NetWare* 6.5	Intel® SE7501WV2 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/67676.htm
Red Hat* Linux 8.0	Intel® SE7501WV2 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. http://hardware.redhat.com/hcl/?pagename=hcl&view=certified&vendor=399&class=8#list
Red Hat* Linux AS 3.0	Intel® SE7501WV2 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. http://hardware.redhat.com/hcl/?pagename=hcl&view=certified&vendor=399&class=8#list

Operating System	Certification Listing	Comments
SuSE* Linux 8.0	Intel® SE7501WV2 Server	SuSE 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.
SuSE* Linux 9.0	Intel® SE7501WV2 Server	SuSE 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.

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 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 suported under this operating system.

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.

Note: When using some external SCSI devices it may be necessary to power the system on before powering on the external device.

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
4.1 PCI RAID												
3 Ware	7500-8	Escalade 7500-8	ATA-RAID PCI-64/33	**Special instructions**: SCSI: Bootable device only. SuSE - Must manually select 3Ware driver. ATA: All enabled **Device BIOS**:BE7X 1.08.00.036 **Device FW:** FE7X 1.05.00.023 **Device Driver Version**: Win2K:SCSI BB- 1.12.00.006; ATA BB-1.12.00.006 L Red Hat 8:Embedded SuSE 8: Embedded	1,4		NT	1				1,4
Adaptec	ASR2000S	2000S	PCI-64/66	**Special instructions**: SCSI: Need to enable EDBA **Device BIOS**:1.62 **Device FW:** GA0H **Device Driver Version**: Win2K: 5.3.1.3 RedHat 8: Enabled SuSE 8: Enabled NetWare 6:3.1c	1		ND	1				1

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Adaptec	ASR2010S	2010S	PCI-64/66	**Special instructions**: SCSI: Need to enable EDBA **Device BIOS**:1.62 **Device FW:** GA0H **Device Driver Version**: Win2K: 5.3.1.3 RedHat 8: Enabled SuSE 8: Enabled NetWare 6:3.1c	1		ND	1				1
Adaptec	ASR2200S	2200S	PCI-64/66	**Special instructions**: SCSI: Need to enable EDBA **Device BIOS**: 4.0-0 [6003] **Device FW:** **Device Driver Version**: SuSE 9.0, NW6.5: Embedded. Win 2k3: 4.0.6011. RH3.0AS: 1.1.4-2302		9			9	9	9	
Adaptec	ASR-2110S	2110S	PCI-64/66	**Special instructions**: SCSI - Need to enable EDBA ATA – W2K – All enabled **Device BIOS**:1.62 **Device FW:** 380E **Device Driver Version**: Win2K: 3.10 Embedded RedHat 8: Enabled SuSE 8: Enabled W2K3: 5.3.1.3. RH3: 2.5.0-2302. NW6.5: Embedded	2, 4	6,8	2	2	8	8	[8]	2, 4 See IG #6.3

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Adaptec	ASR-3410S	3410S	PCI-64/66	**Special instructions**: SCSI - Need to enable EDBA ATA – W2K All Option ROMs enabled, RedHat – Disable USB legacy **Device BIOS**:1.62 **Device FW:** 370E **Device Driver Version**: Win2K:3.10 Win2K3: Embedded RedHat 8: Enabled SuSE 8: Enabled NetWare 6:3.04	2, 4	6	2, 4	2, 4				2, 4
Adaptec	ASC-39160	ASC-39160	PCI-64/66	**Special instructions**: All option ROM's enabled		6						
Adaptec	ASC39320D-R	ASC39320D-R	PCI-X133	**Special instructions**: All option ROM's enabled **Device Driver Version**: Win2K3: 2.0.0.0		6						
LSI	Elite 1600 (MegaRAID 493)	4932010232A	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:G170 **Device FW:** F316 **Device Driver Version**: Win2K:5.25 Win2K3: 6.36.32 RedHat AS3: Enabled SuSE 9: Enabled NetWare 6.5	3, 4	6,7,9	3, 4	3, 4	7,9	7, 9	7,9	3, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
LSI	Logic Enterprise 1600 (MegaRAID 471)	4714010232A	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:G170 **Device FW:** F316 **Device Driver Version**: Win2K:5.25 Win2K3: 5.32 RedHat 8: Enabled SuSE 8: Enabled NetWare 6.02d	2, 4	6, [7],[9]	2, 4	2, 4	[7], [9]	[7], [9]	[7], [9]	2, 4
LSI	MegaRAID SCSI 320-1	MegaRAID 320-1 (520-1)	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:G112 **Device FW:** IL26 **Device Driver Version**: Win2K3:6.36.32 RedHat AS3.0: Enabled SuSE 9: Enabled NetWare 6.5		7,9			7,9	7, 9	7,9	
LSI	MegaRAID SCSI 320-2	MegaRAID 320-2 (518)	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:G112 **Device FW:** IL26 **Device Driver Version**: Win2K3:6.36.32 RedHat AS 3.0: Enabled SuSE 9: Enabled NetWare 6.5		7,9			7,9	7, 9	7,9	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
LSI	LSI22320-R	LSI22320-R	PCI-X133	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:G112 **Device FW:** 5.07.02 **Device Driver Version**: Win2K3:6.36.32 RedHat AS3.0: Enabled SuSE 9: Enabled NetWare 6.5 3.03.03		7			7	7	7	
LSI	Logic Express 500	MegaRAID 475	PCI-32/33	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:3.12 **Device FW:** F160 **Device Driver Version**: Win2K:5.25 RedHat 8: Enabled SuSE 8: Enabled NetWare 6.02d	1, 4	6,7	1, 4	1, 4	7	7	7	1, 4
ICP-Vortex	GDT4523 RZ	GDT4523RZ	PCI-32/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:6.08b **Device FW:** 2.28.06-R04C **Device Driver Version**: Win2K:3.02 RedHat 8: Enabled SuSE 8: Enabled NetWare 3.11	2, 4		2, 4	2, 4				2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
ICP-Vortex	GDT8623 RZ	GDT8623RZ	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:6.08b **Device FW:** 2.28.06-R04C **Device Driver Version**: Win2K:3.02 Win2K3: Embedded RedHat 8: Enabled SuSE 8: Enabled NetWare 3.11	2, 4	6	2	2, 4				2, 4
ICP-Vortex	GDT851 4RZ	GDT8514R Z	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:7.04F **Device FW:** 2.38.06-R058 **Device Driver Version**: SuSE 9.0, RH3.0AS: Embedded. Win 2k3: 4.12, NW6.5: 3.14		9			9	9	9	
Intel	SRCFC22 C	SRCFC22C	PCI-64/66	**Special instructions**: SCSI - Bootable device option ROM enabled only - Have to power drives down every reboot ATA – All option ROMs enabled **Device BIOS**: 7.03C **Device FW:** 2.47.00-R045 **Device Driver Version**: W2K3: 3.13. RH3, NW6.5, SuSE9: Embedded.		9			9	9	9	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	SCRS14L	Taft	Serial ATA (SATA)	**Special instructions**: SCSI - Bootable device option ROM enabled only - Have to power drives down every reboot ATA – All option ROMs enabled **Device BIOS**: 7.03C **Device FW:** 2.42.00-R072 **Device Driver Version**: W2K3: 5.1.0.16, NVL6.5: 3.15.2, RH3/SuSE9: emb	1, 5	9	1, 5	1, 5	9	9	9	1, 5
Intel®	SRCU31L	Goodwin	PCI-32/33	**Special instructions**: SCSI - Bootable device option ROM enabled only ATA – All option ROMs enabled **Device BIOS**:6.08b **Device FW:** 2.33.01-R01B **Device Driver Version**: Win2K: 1.3.2d RedHat 8: Enabled SuSE 8: Enabled NetWare: 1.3.2d	1, 4		1, 4	1, 4				1, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	SRCU32U	Bisbee	PCI-64/66	**Special instructions**: SCSI -Bootable device option ROM enabled only ATA – All option ROMs enabled **Device BIOS**:7.03C **Device FW:** 2.34.00-R030 **Device Driver Version**: Win2K:1.5.7 Win2K3: 8.0 RedHat 8: Enabled SuSE 8: Enabled NetWare: 1.5.7	1, 4, 6	6	1, 4, 6	1, 4, 6				1, 4, 6
Intel	SRCU42X	SRCU42X	PCI-64/66	**Special instructions**: SCSI -Bootable device option ROM enabled only ATA – All option ROMs enabled **Device BIOS**:H412 **Device FW:** 431E **Device Driver Version**: W2K3: 5.1.0.16, NVL6.5: 3.15.2, RH3/SuSE9: emb		9			9	9	9	
Intel	SRCU42L	Chilito	PCI-64/66	**Special instructions**: ATA – All option ROMs enabled **Device BIOS**:7.03C **Device FW:** 2.34.00-R043 **Device Driver Version**: Win2K:1.5.14 Win2K3: 5.1.0.16 NVL6.5: 3.15.2, RH3/SuSE9: emb	3, 4	6,9	3, 4	3, 4	9	9	9	3, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	SRCZCR	Caldwell (Pioneer Square II)	PCI-64/66	**Special instructions**: **Device BIOS**:7.03C **Device FW:** 2.34.00-R043 **Device Driver Version**: Win2K:1.57 Win2K3: Embedded RedHat 8: Enabled SuSE 8: Enabled NetWare: 1.57	2	6	2, 6	2, 6				2, 6
Promise	FastTrack * TX2000	FastTrack* TX2000	PCI-32/33	**Special instructions**: SCSI - Bootable device option. On board SCSI (7902) option ROM must be disabled . ATA – All option ROMs enabled **Device BIOS**:2.00.0.22 **Device FW:** 2.00.0.22 **Device Driver Version**: Win2K:2.00.0.24 RedHat 8: 1.2.0.15 SuSE 8: 1.2.0.14.2 NetWare 6: 2.30.0140.8	1		1	1, 5 See IG #6. 1				1, 5

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
4.2 PCI SCSI												
Adaptec	ASC-29160LP	ASC-29160LP	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:3.1 **Device FW:** 3.1 **Device Driver Version**: Win2K: 6.0.4000.200 SuSE 8: Embedded W2K3: 6.03.6300. RH3: 6.33. SuSE9, NVL 6.5: emb	2, 4	6,9	2, 4	2, 4	9	9	9	2, 4
Adaptec	ASC-29160N	ASC-29160	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:3.1 **Device FW:** 3.1 **Device Driver Version**: Win2K: 6.0.4000.200 RedHat 8: 6.2.10 SuSE 8: Embedded NetWare 6: 16.21	2, 4		2	2				2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Adaptec	ASC-39160	ASC-39160	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:3.1 **Device FW:** 3.1 **Device Driver Version**: Win2K: 6.0.4000.200 RedHat 8: 6.2.10 SuSE: Enabled NetWare 6: 16.21	2, 4		2, 4	2, 4				2, 4
Adaptec	ASC - 39320	ASC39320	PCI-X133	**Special instructions**: All option ROMs enabled **Device BIOS**:4.10.1 **Device FW:** 4.10.1 **Device Driver Version**: Win2K: 1.1.0.0 RedHat 8: 1.1.1 SuSE: 1.1.1 NetWare 6: 1.10	2		2	2				2 See IG #6.2
LSI Logic	LSI20160 L	LSI20160L	PCI-32/33	**Special instructions**: All option ROMs enabled **Device BIOS**:5.07.02 **Device FW:** 1.01.46 **Device Driver Version**: Win2K: 1.8.16 RedHat 8: Embedded W2K3,RH3, SuSE9, NVL: emb	2	6,8	2, 4	2, 4	8	8	8	2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
LSI Logic	LSI22320-R	LSI22320-R	PCI-X133	**Special instructions**: All option ROMs enabled **Device BIOS**:5.02.00 **Device FW:** 1.00.14 **Device Driver Version**: Win2K: 1.8.16 Win2K3: Embedded RedHat 8: Embedded SuSE 8: 2.02.00 NetWare 6: 2.00	2, 5	6	2, 5	2, 5				2, 5
LSI Logic	ITI6200U3LP	ITI6200U3LP	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:5.02.00 **Device FW:** 1.01.46 **Device Driver Version**: Win2K: 1.8.16 RedHat 8: Embedded SuSE 8: Embedded NetWare 6: 2.00	2, 5(3)		2, 5(3)	2				2, 5(3)

4.3 PCI MROMB

Adaptec	ASR-2010S	2000S	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:1.62 **Device FW:** GA0H **Device Driver Version**: Win2K:5.3.1.3	1	6	6	1, 6				1, 6

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	SRCZCR	Caldwell (Pioneer Square II)	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:7.03C **Device FW:** 2.34.00-R036 **Device Driver Version**: Win2K:1.57 RedHat 8: Embedded SuSE 8: Embedded Netware 6: 1.57	2		2	2				2
4.4 PCI Fiber Channel Host Adapters												
Emulex	LP9000/9002-T1	LP9002	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:1.62A1 **Device FW:** 3.90A7 **Device Driver Version**: Win2K: 5-4.52a7	2		ND	NT				NT
Emulex	LP9402DC-F2	LP9402DC	PCI-X133	**Special instructions**: All option ROMs enabled **Device BIOS**: CB1.63A2 **Device FW:** CS3.90A7 **Device Driver Version**: Embedded	2	6	ND	NT				NT

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Emulex	LP9002LP	LP9002LP	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**: CB1.63A2 **Device FW:** CS3.90A7 **Device Driver Version**: Embedded W2K3: ns5-5.01a0cs, NVL: 2.12b, RH3 1.23a	NT	6,9	NT	NT	9	9	NT	NT
Emulex	LP9802DC	LP9802DC	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**: CB1.63A2 **Device FW:** CS3.90A7 **Device Driver Version**: Embedded								
Qlogic	QLA2200/66	QLA2200/66	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:1.81 **Device FW:** 1.81 **Device Driver Version**: Win2K: 8.1.5.1 Win2K3: Embedded Netware 6: 6.50q	3, 5	6	3, 5	5				NT

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Qlogic	QLA2200 L	QLA2200L	PCI-64/66	**Special instructions**: All option ROMs enabled **Device BIOS**:1.81 **Device FW:** 1.81 **Device Driver Version**: Win2K: 8.1.5.1 Win2K3: 8.1.5.15 RH 3.0: 6.06.10 NVL:6.50z	3	6,8	3, 4, 6	4, 6	8	8	NT	NT
QLogic	QLA2340	QLA2340	PCI-X133	**Special instructions**: All option ROMs enabled No install-time drivers for RedHat 8 or SuSE 8, must install to other device. **Device BIOS**:1.26 **Device FW:** 3.01.10 **Device Driver Version**: Win2K:8.11.3.1 RedHat 8: 6.03.00 SuSE 8: 6.01b2 NetWare 6: 6.50q	2		2	2				2
4.5 PCI Network Interface Cards												
3 COM*	3C905C-TXM	EtherLink 10/100 PCI	PCI 32/33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 5.3 Win2K3 / RedHat 8 / SuSE 9 / NetWare6.5: Embedded	2, 4	6,8	2, 4, 6	2, 4, 6	8	8	8	2, 4, 6

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
3 COM*	3C980C-TXM	EtherLink Server 10/100 PCI Managed	PCI-32/33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 2.0 Win2K3 / RedHat 8 / SuSE 8 NetWare6: Embedded	2, 4	6	2, 4	2, 4				2, 4
Dlink	DFE-530/TX+	DFE - 530/TX+	PCI-32/33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 5.390.1019.2000 Win2K3 / RedHat 8 / SuSE 8 NetWare6: Embedded	3, 4	6	3, 4	3, 4				3, 4
Intel®	PILA8472C3	PRO/100 + Dual Port	PCI-64/66	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.2.21.0 Win2K3: v8.0(8255x v7.0.26a) RedHat 8: 4.3.15 SuSE 8:4.3.15 NetWare6: 6.70	2, 4	6	2, 4	2, 4				2, 4
Intel	PWLA8490MF	PRO/1000MF Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled ATA: Disable USB when installing RedHat **Device Driver Version**: Win2K: 6.4.16 RedHat 8: 4.3.15 SuSE 8: 4.3.15 NetWare 6: 6.70	2, 4		2, 4	2, 4				2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	PWLA8490MT	PRO/1000MT Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled ATA: Disable USB when installing RedHat **Device Driver Version**: Win2K:7.2.17 Win2k3: v8.0 RH9 5.2.16 SuSE 8:4.3.15 NetWare 6:6.70	1, 4	6,8	1, 4	1, 4, 6	8	8	8	1, 4
Intel	PWLA8490SX	PRO/1000F Gigabit Server Adapter	PCI-64/66	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 RedHat 8: 4.3.15 SuSE 8:4.3.15 NetWare 6:6.70	3, 5		3, 5	3, 5				3, 5
Intel	PWLA8490T	PRO/1000T Gigabit Server Adapter	PCI-64/66	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 RedHat 8: 4.3.15 SuSE 8:4.3.15 NetWare 6:6.70	2, 4		2, 4	2, 4				2, 4
Intel	PWLA8490XF	PRO/1000XF Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 RedHat 8: 4.3.15 SuSE 8:4.3.15 NetWare 6:6.70	2, 4		2, 4	2, 4				2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	PWLA8492MT	PRO/1000MT Dual Port Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 Win2k3 RedHat AS3 SuSE 9 NetWare 6.5	3, 4, 6	6,9	3, 4, 6	3, 4, 6	9	9	9	3, 4, 6
Intel	PWLA8492MF	PRO/1000MF Dual Port Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 RedHat 8: 4.3.15 SuSE 8:4.3.15 NetWare 6:6.70	3, 4		3, 4	3, 4				3, 4
Intel	PWLA8490XTL	PRO/1000XT Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 RedHat 8: 4.3.15 SuSE 8:4.3.15 NetWare 6: 6.70	1		1	1				1
Intel	PILA8470D3	PRO/100+ S Server	PCI-32/33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: v6.4.16 Win2K3: v8.0(8255x v7.0.26a) Red Hat 8: v4.3.15 SuSE 8: v4.3.15 NetWare 6: v6.70	2	6	2	2				2

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Intel	PWLA8490XT	PRO/1000XT Gigabit Server Adapter	PCI-X133	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K:6.4.16 RedHat 8: 4.3.15 SuSE 8: 4.3.15 NetWare 6: 6.70	3, 6	6	3, 6	3, 6				3, 6
Intel	PILA8470D3	PRO/100+ S Server	PCI-32/33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 6.2.21.0 RedHat 8: 4.3.15 SuSE 8: 4.3.15 NetWare 6: 6.70	2		2	2				2

4.6 Modems

3 COM	3CP2453	V.Everthing 56K Corporate Modem	RS-232	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	3, 4		NT	3, 4				3, 4
3 COM	3CP3453	V.Everthing 56K Corporate Modem	RS-232	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded		7			7	7	7	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
3 COM	USR5610 B	56K V.92 Performance Pro	PCI-32/33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 5.22.40.00 RedHat 8: Embedded SuSE 8: Embedded	3, 4		NT	3, 4				3, 4

4.7 USB/PS2 Devices

Rainbow	Sentinal Duo	Sentinel Duo Hardware Key	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: SSD-5.39b03	3, 4		ND	NT				NT
Logitech	Optical mouse	930582-0403	PS/2 &USB mouse	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K3: Embedded		6						

4.8 CDROM/DVD-ROM Drives

Iomega	CD-RW 24x10x40	CD-RW 24x10x40	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	2, 4		NT	2, 4				2, 4
LG	GCE-8240-B	U2-12X	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	2, 5		NT	2, 5				2, 5

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Mitsumi	CRMC-FX5401W	CRMC-FX5401W CDROM	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 1.8.16 RedHat 8: Embedded SuSE 8: 2.02.00 NetWare 6: 2.00	2, 4		2, 4	2, 4				2, 4
Plextor	PX-40TASUW	PX-40TSUW	SCSI-UW	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded	3		NT	NT				NT
Plextor	CD-RW 40x12x40 U	PlexWriter 40x12x40U	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	2, 4		ND	2, 4				2, 4
Teac	CD-232E	CD-232E	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	3, 4		3, 4	3, 4				3, 4
Teac	CD-552E	CD-552E	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	1, 4	9	1, 4	1, 4	9	9	9	1, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Samsung	SC-152	SC-152	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	3, 5		3, 5	3, 5				3, 5
Samsung	SN-124q	SN-124q	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	2, 4	9	2, 4	2, 4	9	9	9	2, 4

4.9 DVD Drives

Hewlett Packard	DVD200i	DVD Writer 200i	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded NetWare 6: Embedded	3, 4		3, 4	4				ND
Panaconic	SR-8177-B	SR-8177-B	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: All Embedded	2, 5, 6	6,8	2, 5, 6	2, 5, 6	8	8	8	2, 5, 6
Pioneer	DVD-305S	DVD-305S	SCSI-N	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	3		ND	3				3

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Pioneer	DVD-305S-A	DVD-305S-A	SCSI-N	**Special instructions**: All option ROMs enabled **Device Driver Version**: All Embedded		6						
Samsung	SD-616	SD-616	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: All Embedded	3	6	3	3				3
Toshiba	SD-M1401	SD-M1401	SCSI-N	**Special instructions**: All option ROMs enabled **Device Driver Version**: All Embedded	3	6	ND	3				3
Toshiba	SD-R2412	SD-R2412	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K3: Embedded RedHat 9: Embedded SuSE 9: Embedded NetWare 6.5: Embedded		9			9	9	9	
Toshiba	SD-C2512	SD-C2512	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	3, 4		3, 4	3, 4				3, 4
Toshiba	SD-M1612	SD-C2512	ATA33	**Special instructions**: All option ROMs enabled **Device Driver Version**: All Embedded	2, 4	6,9	2, 4	2, 4	9	9	9	2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
4.10 Removable Drives												
Fujitsu	MCJ3230 SS	MCJ3230SS	SCSI-N	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded	3		NT	NT				NT
Fujitsu	MCJ3230 AP	MCJ3230AP	ATA	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded	3, 5		5	5				NT
IOMEGA	32324	ZIP 750MB USB 2.0	USB 2.0	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	2		NT	2				2
IOMEGA	32328	ZIP IDE 750 Driver	USB 2.0	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded		9			9	9	9	
IOMEGA	ZIP-IDE250	ZIP-IDE250	ATA	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	3, 4		3	3, 4				3, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
M-systems	82-SU-128D15	DiskOnKey 128MB	USB 2.0	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	3, 5		NT	3, 5				3, 5
Sony	PCGA-UFD5	VAIO External USB floppy	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	2, 4		NT	2, 4				2, 4
Teac	FD-235HF	FD-235HF	FLOPPY	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	2, 5		2	2, 5				2, 5
Teac	FDO5PUB	FDO5PUB	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	3, 5		NT	3, 5				3, 5
Teac	CDWF540/KIT	CDWF540/KIT	USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	2, 4		NT	2, 4				2, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
Keytronic	Pilot PRO	PRO Pilot	PS/2	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	2, 5	8	2, 5	2, 5	8	8	8	2, 5
Microsoft	Intellimou se Optical	Intellimouse Optical	PS/2 and USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	2, 5	8	2, 5	2, 5	8	8	8	2, 5
Logitech	Internet Navigator PS/2 & USB	Internet Navigator	PS/2 and USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	2, 5		2, 5	2, 5				2, 5
Logitech	Optical Mousee PS/2 & USB	Optical mouse	PS/2 and USB	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded NetWare 6: Embedded	2, 5		2, 5	2, 5				2, 5

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
4.11 Tape Drives												
Seagate	STD2401 LW-S	SCORPION 40 DDS4 DAT	SCSI-U2	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: Embedded RedHat 8: Embedded SuSE 8: Embedded	3		ND	3				3
Sony	SRD-500C/BM	AIT-2 Desktop	SCSI-U2	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K: 2.00.0000.9 RedHat 8: Embedded SuSE 8: Embedded	3		ND	3				3
Sony	SDX-700C.BM	AIT-3 Desktop	SCSI-U160	**Special instructions**: All option ROMs enabled **Device Driver Version**: RedHat 8: Embedded SuSE 8: Embedded	ND		ND	3				3
4.12 Keyboard/Video/Mouse switch boxes												
Avocent	1160ES	1160ES	PS/2	**Special instructions**: All option ROMs enabled	3, 5		3, 5	3, 5				3, 5
Belkin	F1D108-OSD	Omniview PRO	PS/2	**Special instructions**: All option ROMs enabled	3, 4		3, 4	3, 4				3, 4

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows* 2000 Advanced Server, SP3	Microsoft* Windows Server 2003* Enterprise Edition	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	RedHat Linux AS 3.0	Netware 6.5	SuSE Linux9.0	SuSE Linux 8.0
ATI	RADEON 7000	RADEON 7000	PCI-32/33 - Video	**Special instructions**: All option ROMs enabled **Device Driver Version**: W2K3 6.14.10; RH9 embedded		6,9			9	9	9	
Keytronic	E06101USB-C	E06101USB-C	USB Keyboard	**Special instructions**: All option ROMs enabled **Device Driver Version**: All Embedded	2, 5	6	2, 5, 6	2, 5, 6				ND
Keytronic	PRO Pilot	PRO Pilot	PS/2 Keyboard	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K3: Embedded		6,8			8	8	8	
Logitech	Internet Navigator	930582-0403	PS/2 &USB Keyboard	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K3: Embedded		6						
Logitech	Internet Navigator	967233-0403	PS/2 &USB Keyboard	**Special instructions**: All option ROMs enabled **Device Driver Version**: Win2K3: Embedded		9			9	9	9	

5. Hard Disk Drives

The hard drives listed in the following table have been tested with the Intel® server board SE7501WV2 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-SCSI / 5-ATA	Microsoft Windows* 2000 Advanced Server
2-SCSI / 6-ATA	Novell NetWare* 6.0
3-SCSI / 7-ATA	Red Hat Linux* 8.0
4-SCSI / 8-ATA	SuSE Linux* 8.0
9-SCSI / 10-ATA	Microsoft* Windows Server 2003* Enterprise Edition
11-SCSI / 12-ATA	SuSE Linux* 9.0
13-SCSI / 14-ATA	Novell NetWare* 6.5
15-SCSI / 16-ATA	Red Hat Linux* AS 3.0
17-SCSI / 18-ATA	Novell NetWare* 8.0
19-SCSI / 20-ATA	Microsoft* Windows Server 2003* standard

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).

Notes:
The ATA HDDI board does NOT support hot-swapping hard drives. Doing so may cause data loss.

† - ATA drives from both †Western Digital and †Maxtor have been found to have their interface connectors placed in a location that is mechanically not compatible for use with the ATA backplane of the server chassis SR1300.

ATA drives are only supported in the server chassis SR1300 using an ATA backplane board.

When using some external SCSI devices it may be necessary to power the system on before powering on the external device.

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Comments
Addonics*	Combo Hard Drive Kit	AEMED35AUM	USB			1, 3, 4, 5, 7, 8, 9	
Fujitsu*	MAN	MAN3367MC	SCSI-U160-SCA	10,000	36	1, 3	**Device FW:** 0106(Boot) 0103(Data)
Fujitsu	MAN	MAN3367MC	SCSI-U160 -SCA	10,000	36	1	**Device FW:** 0107
Fujitsu	MAP	MAP3147NC	SCSI-U320-SCA	10,000	147	2,3,4,9	**Device FW: 107**
Fujitsu	MAP	MAP3735NC	SCSI-U320-SCA	10,000	73		SD
Fujitsu	MAP	MAP3367NC	SCSI-U320-SCA	10,000	36		SD
Fujitsu	MAS	MAS3735NC	SCSI-U320-SCA	15,000	73	9	
Fujitsu	MAS	MAS3367NC	SCSI-U320-SCA	15,000	36		SD
Hitachi*	Ultrastar 146Z10	IC35L146UCDY10-0	SCSI-U320-SCA	10,000	146	9	
Hitachi	Ultrastar 146Z10	IC35L146UCDY10-0	SCSI-U320-SCA	10,000	146	1, 3	**Device FW:** S23C
Hitachi	Ultrastar 146Z10	IC35L073UCDY10	SCSI-U320-SCA	10,000	73		SD
Hitachi	Ultrastar 146Z10	IC35L036UCDY10	SCSI-U320-SCA	10,000	36		SD
Hitachi	Ultrastar 146Z10	IC35L036UCDY10	SCSI-U320-SCA	10,000	18		SD
Hitachi	Ultrastar 15K73	HUS157373EL3800	SCSI-U320-SCA	10,000	73	1,2,3	IHVT
Hitachi	Ultrastar 15K73	HUS157336EL3800	SCSI-U320-SCA	10,000	36		IHVT, SD
Hitachi	Ultrastar 10K300	HUS103036EL3800	SCSI LVD	10,000	36	1,2,3,19,17	IHVT
Hitachi	Ultrastar 10K300	HUS103073EL3800	SCSI LVD	10,000	73	1,2,3,19,17	IHVT
Hitachi	Ultrastar 10K300	HUS103014EL3800	SCSI LVD	10,000	147	1,2,3,19,17	IHVT
Hitachi	Ultrastar 10K300	HUS103030EL3800	SCSI LVD	10,000	300	1,2,3,19,17	IHVT
Hitachi	Ultrastar 10K300	HUS103036EL3600	SCSI LVD	10,000	36		IHVT ,SD
Hitachi	Ultrastar 10K300	HUS103073EL3600	SCSI LVD	10,000	73		IHVT ,SD
Hitachi	Ultrastar 10K300	HUS103014EL3600	SCSI LVD	10,000	147		IHVT ,SD
Hitachi	Ultrastar 10K300	HUS103030EL3600	SCSI LVD	10,000	300		IHVT ,SD
Hitachi	Deskstar 180GXP	IC35L180AVV207-1	ATA/133	7200	180	1, 5, 6, 7, 8, 9	**Notes:** Win2k only sees

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Comments
							128GB of the 185GB on the drive during setup. Fixed in SP3 by adding a registry entry.
Hitachi	Deskstar 180GXP	IC35L120AVV207-1	ATA/133	7200	120		SD
Hitachi	Deskstar 180GXP	IC35L090AVV207-1	ATA/133	7200	80		SD
Hitachi	Deskstar 180GXP	IC35L060AVV207-1	ATA/133	7200	60		SD
Hitachi	Deskstar 180GXP	IC35L030AVV207-1	ATA/133	7200	30		SD
Hitachi	Ultrastar 36Z15	IC35LO36UCPR15	SCSI-U160-SCA	15,000	36	1, 3, 9	
Hitachi	Ultrastar 36Z15	IC35L018UCPR15	SCSI-U160-SCA	15,000	36		SD
†Maxtor	DiamondMax D540DX	4G160J8	ATA/133	5400	160	1, 5, 6, 7, 8	**Notes:** Win2k only sees 128GB of the 160GB on the drive during setup. Fixed in SP3 by adding a registry entry.
†Maxtor	DiamondMax D540DX	4G120J6	ATA/133	5400	120		SD
†Maxtor	DiamondMax D540DX	4D080H4	ATA/133	5400	80		SD
†Maxtor	DiamondMax D540DX	4D060H3	ATA/133	5400	60		SD
†Maxtor	DiamondMax D540DX	4D040H2	ATA/133	5400	40		SD
†Maxtor	DiamondMax D540DX	4D020H1	ATA/133	5400	20		SD
†Maxtor	DiamondMax Plus 9	6Y200P0	ATA/133	7200	200	5, 6, 7, 8, 9	
†Maxtor	DiamondMax Plus 9	6Y160P0	ATA/133	7200	160		SD
†Maxtor	DiamondMax* Plus 9	6Y120P0	ATA/133	7200	120		SD
†Maxtor	DiamondMax* Plus 9	6Y080P0	ATA/133	7200	80		SD
†Maxtor	DiamondMax* Plus 9	6Y060L0	ATA/133	7200	60		SD
Maxtor	Atlas 10K III	KU073J8	SCSI-U320-SCA	10,000	73	1, 3	**Device FW:** B430

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Comments
Maxtor	Atlas 10K III	KU036J8	SCSI-U320-SCA	10,000	36		SD
Maxtor	Atlas 10K III	KU018J2	SCSI-U320-SCA	10,000	18	1, 3, 4	**Device FW:** 020k
Maxtor	Atlas 10K IV	8B146J0	SCSI-U320-SCA	10,000	146	9	
Maxtor	Atlas 10K IV	8B074J0	SCSI-U320-SCA	10,000	73		SD
Maxtor	Atlas 10K IV	8B036J0	SCSI-U320-SCA	10,000	36		SD
Maxtor	Atlas 10K V	8D073J0	SCSI-U320-SCA	10,000	73	1,3,13	
Maxtor	Atlas 10K V	8D147J0	SCSI-U320-SCA	10,000	146		SD
Maxtor	Atlas 10K V	8D300J0	SCSI-U320-SCA	10,000	300		SD
Maxtor	Atlas 15K	8C073J0	SCSI-U320-SCA	15,000	73	9	
Maxtor	Atlas 15K	8C036J0	SCSI-U320-SCA	15,000	36		SD
Maxtor	Atlas 15K	8C018J0	SCSI-U320-SCA	15,000	18		SD
Maxtor	Atlas 15K II	8E147J0	SCSI-U320-SCA	15,000	147	1,3,13	
Maxtor	Atlas 15K II	8E073J0	SCSI-U320-SCA	15,000	73		SD
Maxtor	Atlas 15K II	8E036J0	SCSI-U320-SCA	15,000	36		SD
†Maxtor	DiamondMax Plus D740X	6L080J4	ATA/133	7200	80	1, 2,3, 4, 5, 6, 7, 8	
†Maxtor	DiamondMax Plus D740X	6L060J3	ATA/133	7200	60		SD
†Maxtor	DiamondMax Plus D740X	6L040J2	ATA/133	7200	40		SD
†Maxtor	DiamondMax Plus D740X	6L020J1	ATA/133	7200	20		SD
Maxtor	X01USB2040	3000LE	USB		40	4, 5, 7	
Maxtor	5000XT	S01J250	USB		250	9,11,13,15	
Samsung	SpinPoint P40	SP8004H	ATA/100	7200	80	5, 6, 7, 8	See IG #6.4
Samsung	SpinPoint P40	SP4002H	ATA/100	7200	40		SD
Seagate	Barracuda ATA V	ST3120023A	ATA/100	7200	120	1, 2, 5, 6, 7, 8	
Seagate	Barracuda ATA V	ST380023A	ATA/100	7200	80		SD
Seagate	Barracuda ATA V	ST360015A	ATA/100	7200	60		SD

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Comments
Seagate	Barracuda ATA V	ST340017A	ATA/100	7200	40		SD
Seagate	Cheetah* 10K.6	ST3146807LC	SCSI-U320-SCA	10,000	146	1, 3,9	
Seagate	Cheetah 10K.6	ST373307LC	SCSI-U320-SCA	10,000	73		SD
Seagate	Cheetah 10K.6	ST336607LC	SCSI-U320-SCA	10,000	36		SD
Seagate	Cheetah 10K.7	ST3300007LC	U320	10,000	293.6	1,9,15	
Seagate	Cheetah 10K.7	ST3146707LC	U320	10,000	146.7	1,9,15	SD
Seagate	Cheetah 10K.7	ST373207LC	U320	10,000	73.4	1,9,15	SD
Seagate	Cheetah 15K.3	ST373453LC	SCSI-U320-SCA	15,000	73	1, 3, 9	
Seagate	Cheetah 15K.3	ST336753LC	SCSI-U320-SCA	15,000	36		SD
Seagate	Cheetah 15K.3	ST318453LC	SCSI-U320-SCA	15,000	18		SD
Seagate	Cheetah 15K.4	ST3146854LC	U320	15,000	146.7	1,9, 15	
Seagate	Cheetah 15K.4	ST373454LC	U320	15,000	73.4	1,9, 15	SD
Seagate	Cheetah 15K.4	ST336754LC	U320	15,000	36.7	1,9, 15	SD
†Western Digital	Caviar Special Edition	WD2000JB	ATA/100	7200	200	1, 5, 6, 7, 8, 9	
†Western Digital	Caviar Special Edition	WD1800JB	ATA/100	7200	180		SD
†Western Digital	Caviar Special Edition	WD1200JB	ATA/100	7200	120		SD
†Western Digital	Caviar Special Edition	WD800JB	ATA/100	7200	80		SD
†Western Digital	Caviar Special Edition	WD400JB	ATA/100	7200	40		SD
Western Digital	Caviar	WD1200BB-00EEA1	ATA/100	7200	120	9	This drive is compatible with the SR1300 backplane

6. Installation Guidelines

6.1 Novell NetWare* 6.0 fails to detect the Promise Fast Track TX2000 adapter when the on-board Promises driver is enabled

Issue: Novell NetWare 6.0 fails to detect the Promise Fast Track TX2000 adapter with the on-board Promise driver enabled.

Implication: While attempting to bind the driver with the adapter, an error message appears:

"The following driver instance failed to load and will be deleted:
c:\NWUPDATE\FASTTRACK.HAM SLOT=1

(The device supported by the driver may be disabled)"

The Logger screen shows:

"Module FASTTRACK.HAM load status REENT FAIL"

Guideline: Disable the on-board Promise driver.

Status: Intel is currently working to determine root cause of this issue.

6.2 SuSE* 8.0 installation hangs while formatting a hard drive on Adaptec ASC39320

Issue: SuSE installation hangs while formatting a hard drive on the Adaptec ASC39320

Implication: The hard drive will not be formatted and the installation of the SuSE 8.0 operating system will not be complete.

Guideline: Use the on-board Adaptec component when formatting hard drives during installation.

Status: Intel is currently working to determine root cause of this issue.

6.3 SuSE* 8.0 installation must be completed before the installing Adaptec ASR-2110

Issue: SuSE installation will panic if ASR2110 is installed before the completion of the OS

Implication: The hard drive will not be formatted and the installation of the SuSE 8.0

operating system will not be complete.

Guideline: Use the on-board Adaptec component when formatting hard drives during installation.

Status: Intel is currently working to determine root cause of this issue.

6.4 Samsung SP8004H Polaris 40 hard drive jumpers should be removed for proper sizing

Issue: On the SCSI baseboard - When set to a master/slave configuration on the ATA controller, both the system and Windows2000 identifies the slave drive as having 32248MB of space. The drive is a Samsung SP8004H 80GB ATA-100 drive. The master drive is identified as having 76348MB.

On the ATA baseboard - When the Samsung SP-8004h IDE hard drive is placed on the Promise controller, as a master the drive is sized as an 80GB drive, but if the same drive is move to the slave position with any other drive as a master, including a like drive the drive is reported as a 32GB drive.

Implication: Drive capacity is not identified correctly by the system.

Guideline: Remove all jumpers, which will put the drive in slave mode with full capacity.

Status: Root cause was determined to be an incorrect label on the drives. This will be fixed in Samsung product documentation.

6.5 Red Hat Linux* 7.3 segmentation fault with an Intel® RAID controller installed

Issue: When using the normal installation of Red Hat Linux* 7.3 with the 2.4.18-3 kernel and an Intel RAID controller installed, the following issue is seen:

1. A shutdown command results in a segmentation fault.
2. It is not possible to use some tools such as storcon.
3. Accessing the proc file system (via cat /proc/scsi/gdth/#, where “#” stands for the controller number, also results in a segmentation fault.

This issue occurs only when using Red Hat kernel version 2.4.18-3 installed with SMP support, and it is not server board or RAID controller specific.

Implication: The Red Hat Linux 7.3, 2.4.18-3 SMP kernel does not function properly with the Intel RAID controller driver. See https://rhn.redhat.com/errata/RHBA-2003-

069.html.

Guideline: Red Hat Linux kernel version update resolves this issue.

Status: This issue has been resolved in Red Hat Linux kernel version update.

6.6 Red Hat Linux* 8.0 segmentation fault with an Intel® RAID controller installed

Issue: When using the normal installation of Red Hat Linux* 8.0 with the 2.4.18-14 kernel and an Intel RAID controller installed, the following issue is seen:

4. A shutdown command results in a segmentation fault.
5. It is not possible to use some tools such as storcon.
6. Accessing the proc file system (via cat /proc/scsi/gdth/#, where "#" stands for the controller number, also results in a segmentation fault.

This issue occurs only when using Red Hat kernel version 2.4.18-14 installed with SMP support, and it is not server board or RAID controller specific.

Implication: The Red Hat Linux 7.3, 2.4.18-14 SMP kernel does not function properly with the Intel RAID controller driver. See https://rhn.redhat.com/errata/RHBA-2003-069.html.

Guideline: Red Hat Linux kernel version update resolves this issue.

Status: This issue has been resolved in Red Hat Linux kernel version update.