Intel® Server Board *S5000PSL, S5000XSL, S5000XVN & Server System SC5400RA*

Tested Hardware and Operating System List

Revision History

Date	Revision Number	Modifications
May 2006	1.0	Initial Draft
June 2006	1.1	Removed Syskonnect NIC adapters until further notice
June 2006	1.2	Updated Netware 6.5 SP4 to SP5
June 2006	1.3	Added Windows Certification
June 2006	1.4	Added Similar Devices to all sections
July 2006	1.5	Removed Plextor PX-716SA
July 2006	1.6	Update for Q3'06
August 2006	1.7	Added S5000XVN support
November, 2006	1.8	Added SC5400RA Support
January, 2007	1.9	Update tested hardware for Q4'06 and OS certifications information. Remve tested hard disk drive compatibility list from THOL
April, 2007	1.91	Added Vista Ultimate 32 & 64-bit OS test result. Added Windows XP Certification
May, 2007	1.92	Update tested tape drives Added S5000XVN Windows Certification Consolidated tested removable media and removable drive
July, 2007	1.93	Added support of Microsoft* Windows* Small Business Server 2003
July, 2007	2.0	Added support of Red Hat* Linux Enterprise Server AS 5.0. Added Certification information of Red Hat* Linux Enterprise Server AS 5.0
September, 2007	2.1	Corrected description in OS certifications section
September, 2007	2.2	Updated note in Supported Operating Systems section
December, 2007	2.3	Updated Base System Configuration Matrix with refresh SKU added. Updated OS certification information. Added support for Sun* Solaris* 10. Updated tested hardware

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Table of Contents

1.   Introduction

This document provides a guide to tested operating systems, adapter cards, and peripherals. It will be updated as new adapters, peripherals, and operating systems are tested or until the Intel® Server Boards S5000PSL, S5000XSL, S5000XVN, and Intel® Server System SC5400RA are no longer in production. Each document release includes both new information and information from previous releases.

Intel supports only the adapters and peripherals under the system configurations (system BIOS and firmware) and operating systems versions with which they were tested.

1.1   Test Overview

Testing is classified under the categories of Basic Installation Testing, and Adapter / Peripheral Compatibility and Stress Testing.

1.1.1   Basic Installation Testing

Basic installation testing is performed with each supported operating system. It 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 proprietary and industry standard test suites.

The latest version of an operating system signifies the latest supported version at the time of the test run. Each new release of this document may have a newly supported release of an 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 provides and tests operating system drivers for each of the server board's integrated controllers if the controller vendor has a driver available. Intel will not require vendors to develop drivers for operating systems that they do not already support. This may limit the functionality of integrated controllers.

- Intel supports customer issues that involve installation and/or functionality of the operating system with the server board's integrated controllers only if a driver is available.

- Intel will NOT support issues related to the use of any add-in adapters or peripherals installed with an operating system that received only basic installation testing.

- 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 workaround.

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

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

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

1.1.2.1 Support Commitment for Adapter / Peripheral Compatibility and Stress Testing

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

- Intel supports 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 provides and tests operating system drivers for each onboard video, network, and storage controller.

- Intel enables vendors to provide driver support for add-in adapters using these operating systems.

- Intel performs some of the steps to achieve certification, but the actual certification is the responsibility of the individual customer.

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

1.2   Pass/Fail Test Criteria

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

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

All Intel® Server Board S5000PSL, S5000XSL, S5000XVN testing was performed with the Intel® Server Chassis SC5400 or SC5299.

2.   Base System Configurations

The following table lists the base system configurations tested. Base system configurations will change as new revisions of the Intel® Server Boards S5000PSL, S5000XSL, S5000XVN and Intel® Server System SC5400RA are released and/or new system BIOS and BMC firmware are cut onto the board in the factory. Each base system configuration is assigned an identifier number that is referenced in the tables throughout this document. New base system configurations are added with each new release of this document.

Intel supports only those adapters and peripherals under the specified base system configuration and operating systems versions with which they were tested.

Base System Configuration Identifier #	Product Code	PBA Number	BIOS Revision	BMC Firmware Revision	FRUSDR	NIC EEPROM
1	S5000PSLSATA	D44771-701	R0045	46	31	3.01
2	S5000XVNSAS	D25028-601	R0055	48	33	3.01
3	S5000XVNSATA	D37261-601	R0055	48	33	3.01
4	S5000XVNSATA	D37261-801	R0057	50	35	3.01
5	S5000PSLSATA	D44771-701	R0051	47	32	3.01
6	S5000PSLSAS	D44749-701	R0054	48	33	3.01
7	S5000XSLSATA	D16310-701	R0051	47	32	3.01
8	SC5400RA	D25296-301	R0065	55	40	3.01
9	S5000PSLSATA	D44771-803	R0066	55	40	3.01
10	S5000PSLSAS	D44749-803	R0066	55	40	3.01
11	S5000XSLSATA	D16310-803	R0066	55	40	3.01
12	S5000PSLROMB	D16310-803	R0066	55	40	3.01
13	S5000XVNSAS	D25028-803	R0066	55	40	3.01
14	S5000XVNSATA	D37261-803	R0066	55	40	3.01
15	S5000PSLSAS	D44749-803	R0068	56	40A	3.01
16	S5000XVNSATA	D37261-803	R0068	56	40A	3.01
17	S5000PSLSATA	D44771-803	R0068	56	40A	3.01
18	S5000PSLSATA	D44771-803	R0070	56	41	3.01
19	S5000PSLSAS	D44749-803	R0070	56	41	3.01
20	S5000XSLSATA	D16310-803	R0070	56	41	3.01
21	S5000PSLROMB	D16310-803	R0070	56	41	3.01
22	S5000XVNSAS	D25028-803	R0070	56	41	3.01
23	S5000XVNSATA	D37261-803	R0070	56	41	3.01
24	S5000PSLROMB	D16310-803	R0068	56	40A	3.01
25	S5000XVNSATA	D37261-901	R0070	56	41	3.01
26	S5000XVNSATA	D37261-901	R0070	56	41	3.01
27	S5000XVNSATA	D37261-901	R0074	58	42	3.01

28	S5000PSLSATA	D44771-803	R0074	58	42	3.01
29	S5000XVNSATA	D37261-901	R0074	58	42	3.01
30	S5000PSLSATA	D44771-803	R0078	59	42	3.01
31	S5000PSLSAS	D44749-803	R0078	59	42	3.01
32	S5000XVNSATA	D37261-901	R0078	59	42	3.01
33	S5000XSLSATA	D16310-721	R0081	48	33	3.01
34	S5000PSLSATAR	E11027-100	R0084	59	42	4.00
35	S5000PSLSATAR	E11027-100	R0084	62	45	4.00
36	S5000PSLSASR	E11025-100	R0084	62	45	4.00
37	S5000XVNSATAR	E11030-100	R0084	62	45	4.00
38	S5000XVNSASR	E11034-100	R0084	62	45	4.00

3.   Supported Operating Systems

The following table lists the supported operating systems and the type of testing that was performed. Operating systems are supported only with the specified base system configuration(s) with which they were tested.

Any variations to the standard operating system installation process are documented in the Installation Guidelines section of this document. If no installation guidelines are noted, 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. See the Readme and User Guide documents that are came with the Intel Server Management and LANDesk* Client Manager software.

Operating System	Base System Configuration Tested & Type of Testing	Notes
Microsoft* Windows XP* Professional EM64T	Configuration 2 – Compatibility & Stress Configuration 3 – Compatibility Configuration 4 – Compatibility Configuration 10 – Compatibility Configuration 12 – Compatibility Configuration 14 – Compatibility & Stress Configuration 18 – OS Installation & Compatibility Configuration 23 – OS Installation Configuration 25 – OS Installation & Compatibility Configuration 26 – OS Installation & Compatibility Configuration 27 – OS Installation Configuration 29 – OS Installation Configuration 38 – Compatibility & Stress	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR
Microsoft Windows Vista* Ultimate 64bit	Configuration 25 – OS Installation & Compatibility Configuration 26 – OS Installation & Compatibility & Stress Configuration 27 – OS Installation	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR
Microsoft Windows Vista* Ultimate 32-bit	Configuration 25 – OS Installation & Compatibility & Stress Configuration 26 – OS Installation & Compatibility Configuration 27 – OS Installation	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR

Microsoft Windows* 2000 Server, Service Pack 4	Configuration 1 – OS Installation Configuration 18 – OS Installation Configuration 19 – OS Installation	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR. Server System SC5400RA.
Microsoft* Windows* Server 2003 R2 32bit / Microsoft* Windows* Small Business Server 2003 SP1	Configuration 1 – Compatibility & Stress Configuration 5 – Compatibility Configuration 6 – Compatibility Configuration 7 – Compatibility Configuration 15 – Stress Configuration 18 – OS Installation Configuration 19 – OS Installation Configuration 26 – OS Installation & Stress Configuration 27 – OS Installation Configuration 29 – OS Installation	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR and Server System SC5400RA. Server Boards S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR and Server System SC5400RA also support the operating system portion of Microsoft Windows Small Business Server 2003 (SP1) only. The application portion is not tested or supported
Microsoft* Windows* Server 2003 R2 32bit SP2	Configuration 30 – OS Installation Configuration 35 – Compatibility & Stress	Server Boards Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR and 5000XSLSATA/S5000XLSATAR
Microsoft* Windows* Server 2003 EM64T R2	Configuration 1 – Compatibility & Stress Configuration 5 – Compatibility Configuration 6 – Compatibility Configuration 7 – Compatibility Configuration 10 – Compatibility Configuration 12 – Compatibility Configuration 14 – Compatibility & Stress Configuration 23 – OS Installation Configuration 24 – Stress Configuration 18 – OS Installation & Compatibility Configuration 25 – OS Installation & Compatibility Configuration 26 – OS Installation & Compatibility Configuration 27 – OS Installation Configuration 29 – OS Installation	Server Boards : S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XLSTATR Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR Server System SC5400RA.

Microsoft* Windows* Server 2003 EM64T R2 SP2	Configuration 30 – OS Installation	Server Boards Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR
Red Hat* Linux Enterprise Server AS 4.0 Update2 EM64T	Configuration 1 – Compatibility & Stress Configuration 5 – Compatibility Configuration 6 – Compatibility Configuration 7 – Compatibility Configuration 14 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR, S5000XVNSAS/S5000XVNSASR. Server System SC5400RA.
Red Hat* Linux Enterprise Server AS 4.0 Update4 32bit	Configuration 18 – OS Installation Configuration 19 – OS Installation	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Server System SC5400RA
Red Hat* Linux Enterprise Server AS 4.0 Update4 EM64T	Configuration 10–Compatibility & Stress Configuration 12–Compatibility & Stress Configuration 14– Compatibility Configuration 16– Stress Configuration 18 – OS Installation & Compatibility & Stress Configuration 19 – OS Installation Configuration 20 – OS Installation Configuration 21 – OS Installation Configuration 22 – OS Installation Configuration 23 – OS Installation Configuration 25 – OS Installation & Compatibility Configuration 26 – OS Installation & Compatibility	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Server System SC5400RA
Red Hat* Linux Enterprise Server AS 5.0 32bit	Configuration 30 – OS Installation	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR, S5000XVNSAS/S5000XVNSASR.
Red Hat* Linux Enterprise Server AS 5.0 EM64T	Configuration 30 – OS Installation Configuration 31 – OS Installation Configuration 32 – OS Installation Configuration 36 – Compatibility & Stress	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR, S5000XVNSAS/S5000XVNSASR.

SuSE Linux Enterprise Server 9.0 RC5/ SP3 32-bit	Configuration 1 – OS Installation	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR, S5000XVNSAS/S5000XVNSASR.
SuSE Linux Enterprise Server 9.0 RC5/ SP3 64-bit	Configuration 1 – OS Installation	Server Boards Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR.
SuSE Linux Enterprise Server 10 32-bit	Configuration 18 – OS Installation Configuration 19 – OS Installation	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Server System SC5400RA
SuSE Linux Enterprise Server 10 64-bit	Configuration 10–Compatibility Configuration 12–Compatibility & Stress Configuration 14– Compatibility Configuration 15– Stress Configuration 18 – OS Installation & Compatibility & Stress Configuration 19 – OS Installation Configuration 20 – OS Installation Configuration 21 – OS Installation Configuration 22 – OS Installation Configuration 23 – OS Installation Configuration 25 – OS Installation & Compatibility Configuration 26 – OS Installation & Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR, S5000XVNSAS/S5000XVNSASR. Server System SC5400RA.
Novell NetWare* 6.5, Service Pack 5	Configuration 1 – OS Installation Configuration 18 – OS Installation	Server Boards and Server System Only (ESRTII Disabled): S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Server System SC5400RA
Sun* Solaris* 10 08/07	Configuration 34 – Compatibility & Stress	Server Board S5000PSLSATA/S5000PSLSATAR Only (ESRTII Disabled)

Note: Intel's testing was completed with the OS and latest available service packs. Microsoft* operating systems must have the latest service packs installed prior to upgrading to Intel BIOS revisions 79 and later. The application portion is not tested or supported.

3.1   Operating System Certifications

Listed below are the operating systems that Intel will certify with the Intel® Server Board S5000PSL, S5000XSL, S5000XVN, and Intel® Server System SC5400RA. 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.

Operating System	Certification Listing	Product Code	Comment
Microsoft* Windows* Server 2003 R2	WHQL Test – Passed Submission ID: 1130455	S5000PSLSATA – ESRTII disabled	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* Server 2003 R2	WHQL Test – Passed Submission ID: 1223128	S5000PSLSATA Updated MCH hardware and BIOS support for Intel® Xeon® processor 5300 series.	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* Server 2003 R2	WHQL Test – Passed Submission ID: 1200724	S5000XSLSATA	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* Server 2003 R2	WHQL Test – Passed Submission ID: 1202133	S5000PSLROMB	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* Server 2003 R2	WHQL Test – Passed Submission ID: 1225251	S5000PSLSAS Updated MCH hardware and BIOS support for Intel® Xeon® processor 5300 series.	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* Server 2003 R2	WHQL Test – Passed Submission ID: 1218408	SC5400RA	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1130455	S5000PSLSATA – ESRTII disabled	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

Operating System	Certification Listing	Product Code	Comment
Microsoft* Windows* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1223128	S5000PSLSATA Updated MCH hardware and BIOS support for Intel® Xeon® processor 5300 series.	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1200724	S5000XSLSATA	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1202133	S5000PSLROMB	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1225251	S5000PSLSAS Updated MCH hardware and BIOS support for Intel® Xeon® processor 5300 series.	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1218408	SC5400RA	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 XP* Professional EM64T	WHQL Test – Passed Submission ID: 1241489	S5000XVNSATA	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 XP* Professional EM64T	WHQL Test – Passed Submission ID: 1242392	S5000XVNSAS	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1242309	S5000XVNSATA	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1243850	S5000XVNSAS	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* Server 2003 R2	WHQL Test – Passed Submission ID: 1269646	S5000PSLSATAR	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

Operating System	Certification Listing	Product Code	Comment
Microsoft* Windows* Server 2003 R2	WHQL Test – Passed Submission ID: 1269631	S5000PSLSASR	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1269646	S5000PSLSATAR	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1269631	S5000PSLSASR	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* Server 2003 EM64T R2	WHQL Test – Passed Submission ID: 1272421	S5000XVNSATAR	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
SuSE* Linux Enterprise Server 10 32bit	Bulletin ID: 87708, 87711, 87734, 87742, 87743, 87744, 87750	S5000PSLSATA	Novell checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
SuSE* Linux Enterprise Server 10 EM64T	Bulletin ID: 87707, 87709, 87735, 87745, 87751, 87752, 87753	S5000PSLSATA	Novell checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
SuSE* Linux Enterprise Server 10 32bit	Bulletin ID: 87738, 87775	S5000PSLROMB	Novell checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
SuSE* Linux Enterprise Server 10 EM64T	Bulletin ID: 87741, 87776, 88036	S5000PSLROMB	Novell checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
SuSE* Linux Enterprise Server 10 32bit with XEN	Bulletin ID: 88035	S5000PSLSATA – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
SuSE* Linux Enterprise Server 10 EM64T with XEN	Bulletin ID: 87710	S5000PSLSATA – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.

Operating System	Certification Listing	Product Code	Comment
Red Hat* Linux Enterprise AS4.0 Update4 / EM64T	Certification ID: 222480, 22769, 222476	S5000PSLATA, S5000PSLSAS, S5000PSLROMB	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 234623	S5000PSLSATA – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 237875	S5000PSLSAS – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 240043	S5000PSLROMB – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 25470	S5000XVNSATA - ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 237032	S5000XVNSAS – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 381031	S5000XSLSATAR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 378861	S5000PSLSASR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 401871	S5000PSLROMBR	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.

Operating System	Certification Listing	Product Code	Comment
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 406821	S5000XVNSATAR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 5.0 32bit and EM64T with Xen	Certification ID: 406761	S5000XVNSASR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificae on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Sun* Solaris* 10 08/07	N/A	S5000PSLSATAR – Native SATA, ESRTII disabled	Sun checks Intel's test results, certifies (if appropriate), and posts the certificate on their website. http://www.sun.com/bigadmin/hcl/

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 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:

- A number: 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.
- A number in brackets: 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): 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.

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.

4.1 SATA RAID Controller

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows Professional EM64T XP*	Windows Ultimate Vista*	Windows Ultimate 64bit Vista*	Red Hat * Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
3Ware	9550SX	9550SX-8LP	PCI-X*	8-port SATA II RAID 0, 1, 10, 5, 50	1	1				1				
3Ware	9550SX	9550SXU-8LP	PCI-X	8-port SATA II RAID 0, 1, 10, 5, 50 (RoHS)	SA	SA				SA				
3Ware	9550SX	9550SX-4LP	PCI-X	4-port SATA II RAID 0, 1, 10, 5 (RoHS)	SA	SA				SA				
3Ware	9550SX	9550SX-12	PCI-X	12-port SATA II RAID 0, 1, 10, 5, 50 (RoHS)	SA	26	26	26		SA	26		32	26
3Ware	9550SX	9550SX-12MI	PCI-X	12-port SATA II RAID 0, 1,10, 5, 50 (RoHS)	SA	SA	SA	SA		SA	SA		SA	SA
3Ware	9550SX	9550SX-16ML	PCI-X	16-port SATA II RAID 0, 1, 10,5, 50 (RoHS)	SA	SA	SA	SA		SA	SA		SA	SA
Adaptec	AAR-21610SA	AAR-21610SA	PCI-64/66	16-port (2 x 8 port Marvell*), IOP 303	1	1				1				
Adaptec	2820SA	2820SA	PCI-X 133	8-port SATA II RAID 0, 1, 10, 5	1	1				1				
Adaptec	AAR-2620SA	AAR-2620SA	PCI-X 133	SATA 3G ROC, 6-channel, fixed 128 MB DDR, optional battery	SA	SA				SA				
Adaptec	AAR-2420SA	AAR-2420SA	PCI-X 133	SATA 3G ROC, 4-channel, fixed 128 MB DDR, optional battery	SA	SA				SA				
ICP vortex	ICP9047MA	ICP9047MA	PCI-X 133	4-port, SATA II 3 Gbit/s RAID PCI-X*, 256 MB DDR mem, BBU opt.	SA	SA				SA				
ICP vortex	ICP9087MA	ICP9087MA	PCI-X 133	8-port, SATA II 3 Gbit/s RAID PCI-X, 256 MB DDR mem, BBU opt.	SA	SA				SA				

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server R2 2003	Windows* Server EM64T R2 2003	Windows* Professional EM64T XP*	Windows Ultimate Vista*	Windows Ultimate 64bit Vista*	Red Hat * Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
Intel	Server RAID Controller SRCS16	SRCS16	PCI 64/66	6-port, SATA 1.5G, RAID 0, 1, 10, 5, 50		10	14				10			10,25
Intel	Server RAID Controller SRCS28X	SRCS28X	PCI-X 133	8-port SATA 3.0G, RAID 0, 1, 10, 5, 50	1	1	3	26	26	1	10		32	10
LSI Logic	MegaRAID SATA 300-8x	MegaRAID SATA 300-8x	PCI-X 133	8-port, SATA II, RAID 0, 1, 10, 5, 50	1	1	18	18	18	1	10		31	10
LSI Logic	Mega RAID SATA 300-8XLP	Mega RAID SATA 300-8XLP	PCI-X 133	8-port, SATA II, RAID 0, 1, 10, 5, 50, low profile	SA	SA	SA	SA	SA	SA	SA		SA	SA
Promise	FastTrak TX4310	FastTrak TX4310	PCI 64/66	4-channel, RAID 0, 1, 10 – 3Gb SATA			10				ND			ND

Manufacturer	Model Name	Model Number	Interface	Comments	Novell Netware* 6.5 SP5
Intel	Server RAID Controller SRCSATAWB	SRCSATAWB	PCI Express	1078 ROC - 8 internal ports SATA 3GB	33

4.2   SAS and SAS RAID Controller

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Adaptec	ASC-48300	ASC-48300	PCI-X133	8-port SAS, one x4 internal SFF-8484 connector and one x4 external SFF-8470 connector, software RAID 0,1,10	1	1	2	26	26	1	12		32	ND	
Adaptec	ASC-58300	ASC-58300	PCI-X 133	8-port SAS, two x4 external SFF-8470 connector, software RAID 0,1,10	SA	SA	SA	SA	SA	SA	SA		SA	SA	
Adaptec	Adeptec RAID 3805	3805	PCI Express	8 internal port SAS 3G, fixed DDR2 256MB, optional battery RAID 0,1,1E, 10, 5, 50, 5E, 6, 60, JBOD--PCIe x4											34
Adaptec	ASR-4800SAS	ASR-4800SAS	PCI-X133	8-port SAS, PCI-X* 133 MHz, fixed DDR2 128 MB or 256 MB, 500 MHz IOP80331, optional battery	1	1, 10	2	26	26	1, 6	10		32	10,26	34
ICP Vortex	ICP9085LI	ICP9085LI	PCI-X 133	8-port SAS, PCI-X* 133 MHz, fixed DDR2 128 MB or 256 MB, 500 MHz IOP80331, optional battery	SA	SA	SA	SA	SA	SA	SA			SA	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Adaptec	ASR-4805SAS	ASR-4805SAS	PCI Express	8-port SAS, PCI-X* 133 MHz, fixed DDR2 128 MB or 256 MB, 500 MHz IOP80331, optional battery	1	1,18,26	2	18,26	18,26	1,	18,26		30, 32	18,26	34
ICP vortex	ICP5085BR	ICP5085BR	PCI Express	8-port SAS, PCI Express* x8, fixed DDR2 128 MB or 256 MB, 500 MHz IOP80333	SA	SA	2	SA	SA	SA	SA		SA	SA	
ICP vortex	ICP9085LI	ICP9085LI	PCI-X133	8-port SAS, PCI-X* 133 MHz, fixed DDR2 128 MB or 256 MB, 500 MHz IOP80331, optional battery	SA	SA	2	SA	SA	SA	SA		SA	SA	
Intel	Server RAID Controller SRCSAS144E	SRCSAS144E	PCI Express	1068 SAS 3GB 4 internal ports	1, 7	1, 7	2	18	18	1,7	12		31	18	
Intel	Server RAID Controller SRCSAS18E	SRCSAS18E	PCI Express	1068 SAS 3GB 8 internal ports	1	1	2	26	26	1	12		32	26	
LSI Logic	3442x	3442x (IT)	PCI-X 133	1068 chip – 8 ports		10,26		26	26		10		32	26	
LSI Logic	3442E	3442E (IT)	PCI Express	1068 chip – 8 ports		ND	ND	25	25		15		32	15	
LSI Logic	3041E	3041E	PCI Express	1064e chip – 4ports		SA	SA	SA	SA		SA		SA	SA	
LSI Logic	3080E	3080E	PCI Express	1068e chip – 8 internal port		SA	SA	SA	SA		SA		SA	SA	
LSI Logic	3081E	3081E	PCI Express	1068e chip – internal 2x4 port mini-SAS		SA	SA	SA	SA		SA		SA	SA	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
LSI Logic	3801E	3801E	PCI Express	1068e chip – external 8 port mini-SAS		SA	SA	SA	SA		SA		SA	SA	
LSI Logic	MegaRAID SAS 8308ELP	MegaRAID SAS 8308ELP	PCI Express	Brockton/1068 SAS 3GB 8 internal ports, RAID 0, 1, 10, 5, 50		10,18	10	18	18		10,18		30	10	
LSI Logic	MegaRAID SAS 8408E	MegaRAID SAS 8408E	PCI Express	Brockton/1068 SAS 3GB 8 internal ports, RAID 0, 1, 10, 5, 50		SA	SA	SA	SA		SA		SA	SA	
LSI Logic	MegaRAID SAS 8480	MegaRAID SAS 8480E	PCI Express	Brockton/1068 SAS 3GB 8 external ports, RAID 0, 1, 10, 5, 50		SA	SA	SA	SA		SA		SA	SA	
LSI Logic	MegaRAID SAS 8344ELP	MegaRAID SAS 8344ELP	PCI Express	Brockton/1068 SAS 3GB 4 internal / 4 external ports, RAID 0, 1, 10, 5, 50		SA	SA	SA	SA		SA		SA	SA	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server SP4	Windows* 2003 Server R2	RedHat* Linux AS 4.0 Update 5 EM64T	SLES* 9 SP3 EM64T

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server SP4	Windows* 2003 Server R2	RedHat* Linux AS 4.0 Update 5 EM64T	SLES* 9 SP3 EM64T
Intel	Server RAID Controller SRCSASRB	SRCSASRB	PCI Express	1078 ROC - 8 internal ports SAS 3GB, PCI Express x4, C2 hardware revision		33		
Intel	Server RAID Controller SRCSASJV	SRCSASJV	PCI Express	1078 ROC - 8 internal ports SAS 3GB, PCI Express x8, C2 hardware revision	33		33	
Intel	Server RAID Controller SRCSAS144E	SRCSAS144E	PCI Express	1068 SAS 3GB 4 internal ports, B1 hardware revision				33

4.3   SCSI and SCSI RAID Controllers

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server 2003 R2	Windows* Server 2003 EM64T R2	Windows XP* Professional EM64T	Windows Ultimate Vista*	Windows Ultimate 64bit Vista*	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
Adaptec	ASC-29160	ASC-29160	PCI-64/66	1 channel U160, 7892 chip; for tape drive testing only	1	1	3			1				
Adaptec	ASC-29160LP	ASC-29160LP	PCI-64/66	1 channel U160 SCSI LP, 7892 chip	SA	SA	3			SA				
Adaptec	ASC-29160N	ASC-29160N	PCI-32/33	1 channel U160 SCSI with legacy connector, 7892 chip	SA	SA	3			SA				

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server 2003 R2	Windows* Server EM64T 2003 R2	Windows* XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
Adaptec	ASC-39320A-R (HostRAID)	ASC-39320A-R	PCI-X133	2 channel U320 SCSI, 7902B0 chip 2 external / 2 internal connectors	1	1	3			1				
Adaptec	ASR-2230SLP	ASR- 2230SLP	PCI-X 133	2 channel U320 SCSI RAID 0, 1, 10, 5	1	1				1				
Adaptec	ASR-2230S	ASR-2230S	PCI-X 133	2 ch, U320 RAID 0, 1, 10, 5, 50, JBOD, PCI-X	1	1	3			1			32	
Adaptec	ASR-2130S	ASR-2130S	PCI-X133	1 ch, U320 RAID 0, 1, 10, 5, 50, JBOD, PCI-X	SA	SA	SA			SA			SA	
ICP vortex	ICP9024RO	ICP9024RO	PCI-X133	2 ch, U320 RAID PCI-X, 256 MB DDR mem, BBU opt	SA	SA	3			SA			SA	
ICP vortex	ICP9014RO	ICP9014RO	PCI-X133	1 channel, U320 RAID PCI-X*, 256 MB DDR mem, BBU optional	SA	SA	3			SA			SA	
Intel	Server RAID Controller SRCU42X	SRCU42X	PCI-X133	2 channel, U320 RAID 0, 1, 5, 10, 50, PCI-X	1	1	3			1			32	
Intel	Server RAID Controller SRCU42E	SRCU42E	PCI Express	2 channel, U320 RAID 0, 1, 5, 10, 50, x8 PCI Express*, 2 ext. 68, 2 int. 68 HDD, 53C1030	1	1	3, 38	25	25	1	10		32	10
Intel	Server RAID Controller SRCU41L	SRCU41L	PCI-64/66	1 channel, U320 RAID 0, 1, 5, 10, 50	1, 5	1, 5	14	26	26	1, 5	10		32	26

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows* XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
LSI Logic	MegaRAID SCSI 320-2X	MegaRAID SCSI 320-2X	PCI-X133	2 channel, U320 RAID 0, 1, 10, 5, 50, PCI-X	1	1	3			1				
LSI Logic	MegaRAID SCSI 320-4X	MegaRAID SCSI 320-4X	PCI-X133	4 channel, U320 RAID 0, 1, 10, 5, 50, PCI-X SCSI	SA	SA	3			SA				
LSI Logic	LSI22320-R (IME)	LSI22320-R	PCI-X133	2 channel U320 SCSI, 1030 chip	1, 7	1, 7	3, 38	26	26	1, 7	26		32	26
LSI Logic	LSI22320-R (IS)	LSI22320-R	PCI-X133	2 channel U320 SCSI, 1030 chip	SA	SA	SA	SA	SA	SA	SA		SA	SA
LSI Logic	LSI22320-R (IT)	LSI22320-R	PCI-X133	2 channel U320 SCSI, 1030 chip	SA	SA	SA	SA	SA	SA	SA		SA	SA
LSI Logic	LSI20320-R (IME)	LSI22320-R	PCI-X133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA	SA	SA	SA		SA	12, SA
LSI Logic	LSI20320-R (IS)	LSI22320-R	PCI-X133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA	SA	SA	SA		SA	SA
LSI Logic	LSI20320-R (IT)	LSI22320-R	PCI-X133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA	SA	SA	SA		SA	SA
LSI Logic	LSI20160	LSI20160	PCI-32/33	1 channel U160 SCSI, 1000 chip; for tape drive testing only	1	1	3			1				
LSI Logic	LSI20160L	LSI20160L	PCI-32/33	1 channel U160 SCSI, 1000 chip	SA	SA	3			SA				

4.4   Fiber Channel

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Emulex	LP10000ExDC-M2	LP10000ExDC-M2	PCI Express	Dual channel, 2 Gb FC, PCI Express*	1	1		25	25	1	10		32		34
Emulex	LP1050Ex-F2	LP1050Ex	PCI Express	Single channel, 2 Gb FC, PCI Express	SA	SA		SA	SA	SA	SA		SA		
Emulex	LP10000DC-M2	LP10000DC	PCI-X133	Dual Channel 2 Gb FC controller Universal PCI-LP/RP Optical	1, 6	1				1			32	12	
Emulex	LP10000-M2	LP10000	PCI-X133	Single Channel 2 Gb FC controller Universal PCI-LP/RP Optical	SA	SA				SA			SA	SA	
Emulex	LP1050-F2	LP1050	PCI-X133	Single Channel 2 Gb FC controller Universal PCI-LP/RP Optical	SA	SA				SA			SA	SA	
Emulex	LP1050DC-F2	LP1050DC	PCI-X133	Dual Channel 2 Gb FC controller Universal PCI-LP/RP Optical	SA	SA				SA			SA	SA	
Qlogic	QLA2342	QLA2342	PCI-X133	Dual channel 2 Gb FC Optical, 2312 chip	1	1	3			1	14		32	26	
Qlogic	QLA2340	QLA2340	PCI-X133	Single channel 2Gb FC Optical, 2312 chip	SA	SA	SA			SA	SA		SA	SA	
Qlogic	QLE2462	QLE2462	PCI Express	Dual channel 4Gb FC HBA – LC Multi-mode Optic	1	1	3	18	18	1	ND		30	18	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Qlogic	QLE2460	QLE2460	PCI Express	Single channel 4Gb FC HBA – LC Multi-mode Optic	SA	SA	3	SA	SA	SA			SA	SA	

4.5 NIC

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Intel	PRO/1000 GT Quad Port Svr Adapter	PWLA8494GT	PCI-X133	4 port copper, 2x82546GB; I/OAT Enabled	1	1,25	3	25	25	1, 5	14		32	14	34
Intel	PRO/1000 PT Desktop Adapter	EXPI9300PT	PCI Express	1 port, 1GbE, copper, desktop	1	1	3	26	26	1	10		32	10	
Intel	PRO/1000MT Dual Port Gigabit Server Adapter	PWLA8492MT	PCI-X133	10/100/1000baseT, Dual Port, Copper, No bridge	1	1	3			1	10,26		32	10,26	34
Intel	PRO/1000MF Dual Port Gigabit Server Adapter	PWLA8492MF	PCI-X133	1000baseLC, Dual Port, Fiber, No bridge	SA	SA	3			SA	SA		SA	SA	
Intel	PRO/1000MT Gigabit Server Adapter	PWLA8490MT	PCI-X133	10/100/1000baseT, Copper, No bridge	1	1				1					

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Intel	PRO/1000MF Gigabit Server Adapter	PWLA8490MF	PCI-X133	1000baseLC, Fibre, No bridge	SA	SA				SA					
Intel	PRO/100+ Dual Port	PILA8472C3	PCI-64/66	10/100baseT, Dual port	1	1	3	26	26	1	10		32	10	
Intel	Intel® PRO/1000 PT Server Adapter	EXPI9400PT	PCI Express	1 port 1000Base-T, 1Gb Ethernet, PCI Express	1	1	3	26	26	1	12		32	12	
Intel	Intel® PRO/1000 PF Server Adapter	EXPI9400PF	PCI Express	1 port Fibre, 1Gb Ethernet, PCI Express	SA	SA	SA	SA	SA	SA	SA		SA	SA	
Intel	Intel® PRO/1000 PT Dual Port Server Adapter	EXPI9402PT	PCI Express	2 port 1000Base-T, 1Gb Ethernet, PCI Express	1	1	3			1	12		32	12	
Intel	Intel® PRO/1000 PF Dual Port Server Adapter	EXPI9402PF	PCI Express	2 port Fibre, 1Gb Ethernet, PCI Express, 82571EB	SA	SA	SA			SA	SA		SA	SA	
Intel	Intel® PRO/1000 PT Quad Port Bypass Adapter	EXPI9404PT	PCI Express	Kirkwood, 4 port copper, 2x82571EB (Ophir); 1GbE; I/OAT Enabled		14,18	14	18	18		14		30	14	34
Intel	Intel® PRO/1000PT Quad Port LP Server Adapter	EXPI9404PTL	PCI Express	4 port, copper, 1GbE, 2x82571EB (Ophir), I/OAT Enabled											34

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Syskonnect	SK-9E21	SK-9E21	PCI Express	1 x 10/100/1000 LAN, based on Marvell 88E8061 YukonEC	1	1	4	25	25	1	14			25	
Syskonnect	SK-9E22	SK-9E22	PCI Express	2 x 10/100/1000 LAN, based on Marvell 88E8062 YukonEC	1	1	4			1	10			10	

4.6   Modems

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
3COM	V.Everthing 56K Analog Corporate Modem	USR3453B	RS-232	V.Everthing 56K Corporate Modem	1	1	3	25	25	1				25
Hayes	Hayes V.92 Serial External	H08-15328	RS-232	Serial port – Windows, DOS, Linux	1, 7	1, 7	3	ND	ND	1, 7	ND			ND

4.7   Removable Media

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris 10 08/07
Addonics	AEMED35AUM	Combo Hard Drive Kit	USB 2.0	Converter cable USB2.0 to ATA HD (Seagate ST380021A Barracuda 4)	1	1	2				1				
Crucial	Gizmo! 1GB	CT1GBUFD	USB 2.0	1GB, Read 11MB/s & Write 10MB/s	1	1	3				1				
Hitachi	EXT-MDFW40	E01G250	USB 2.0		1	1					1				
Iomega	Micro Mini™ 1GB Drive	SKU 33136	USB 2.0		1	1					1				
Lexar	1GB USB Flash Drive	JD1GB-80-231	USB 2.0	JumpDrive Pro 80X USB Flash Drive	1	1	3				1				
Maxtor	E01G300	Maxtor One Touch II	USB 2.0		1	1	3				1				34
Memina	829222120101	1GB Pocket Rocket Flash Drive	USB 2.0	1GB, Read 18MB/s & Write 15MB/s	1	1	3				1				
Memorex	1GB Travel Drive	32509363	USB 2.0	1GB USB Flashdrive	1	1	10, 12, 14				1	10, 12, 14	32	10, 12, 14	
Memorex	2GB Travel Drive	3.3E +07	USB 2.0	2GB USB Flashdrive			25	25	25		25			25	
PNY	Attache' 2GB	P-FD02GU20	USB 2.0	2GB USB Flashdrive	1	1	10, 12, 14, 25	25	25		1	10, 12, 14, , 25	32	10, 12, 14 ,25	34

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris 10 08/07
SanDisk	Cruzer Mini USB Flash	SDCZ2-4096	USB 2.0	4GB USB Flashdrive	1	1	3 , 25	25	25	1	10, 12, 14, 25		32	10, 12, 14 , 25	34
Seagate	ST660211U-RK	ST660211U-RK	USB 2.0	6GB 3600RPM Portable USB HD	1	1, 10, 12, 14	25	25	25	1	25		32	25	34
Sony	VAIO External USB floppy	PCGA-UFD5	USB	3½" Floppy, USB	1	1	3			1					
Sony	PCGA-UFD5	VAIO External USB floppy	USB	3½" Floppy, USB	1	1				1					
Sony	MPF88E/UA/181	2X	USB 2.0		1	1	3			1					
TEAC	FD005U396	FD005U396	USB	Part of slimline CD accessory for SL	1	1	3			1					
TEAC	FD-O5PUW	FD-O5PUW	USB	3½" Floppy, USB							10, 12, 14			10, 12, 14	
TEAC	FD-O5PUB	FD-O5PUB	USB	3½" Floppy, USB	1	1	3			1					
TEAC	FD-05PUW268	FD-05PUW268	USB	3½" Floppy, USB			25	25	25				32		
TEAC	FD-05UW-297	FD-05UW-297	USB	3½" Floppy, USB		10, 12, 14, 23	23	23				25		25	
TEAC	FD-05UW-297	FD-05UW-297	USB	Slimline USB floppy		10, 12, 14							32		
WD	WDXML400UETN	WD Passport	USB 2.0	40 GB USB 2.0/1.1 and firewire hard drive, USB powered	10, 12, 14	10, 12, 14, 25		25	25			10, 12, 14	32	10, 12, 14	

4.8   USB/PS2 Human Input Device

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Ultimate Vista*	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Logitech	Internet Navigator	967233-0121	PS/2 and USB	Keyboard	1	1	2			1					
Logitech	Internet Navigator	967233-0403	PS/2 and USB	Keyboard	SA	SA	SA			SA					
Logitech	Optical mouse	930582-0121	PS/2 and USB	Mouse	1	1	2			1					
Logitech	Optical mouse	930582-0403	PS/2 and USB	Mouse	SA	SA	2			SA					
Logitech	G5 Laser Mouse	G5 Laser Mouse	USB Laser Mouse	Mouse		10, 12, 14	10, 12, 14	25	25		10, 12, 14		32	10, 12, 14	
Logitech	Media Keyboard Elite	M002446716	PS/2 and USB	Keyboard											34
Microsoft	Intellimouse Optical	B75-00092	PS/2 and USB	Mouse	1	1	2			1					34
Keytronic	PRO Pilot	PRO Pilot	PS/2	Keyboard	1	1	2			1					34
Keytronic	E06101USB-C	E06101USB-C	USB	Keyboard with 2-port USB hub	1	1	2			1					34
Rainbow	Sentinel Duo Hardware Key	SRB10741/ERB01221	USB	USB security key	1	1	2			1					

4.9   CDROM Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
Mitsumi	SR244W1	SR244W1	IDE/Slimline	Slimline	1	1, 10, 12, 14	3, 10, 12, 14				1	10, 12, 14		
TEAC	CD224EN83		IDE/slimline	Sline line CD-ROM 24x			25	25	25					
TEAC	CD552E/B/S	CD-552E	ATA	DMA mode2 52x	1	1	3				1	10, 12, 14		10, 12, 14

4.10   CD-RW Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
LG	GCE-8527BI	GCE-8527BI	ATA33		1	1	3	25	25	1	25		32		34
Sony	CRX230AD/K	CRX230AD/K	ATA33	52X/32/52 CDRW Combo	1	1	3			1					

4.11   CD-RW/DVDROM Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server R2 2003	Windows* Server EM64T R2 2003	Windows Professional EM64T XP*	Windows Ultimate	Windows Ultimate 64bit Vista*	Windows Vista*	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Lite On	SOHC-5235K	SOHC-5235K	ATA33	52x32x write, 52x16x read	1	1	3			1						34
Lite On	SHC-52S7K	SHC-52S7K	SATA	Combo; 52x32x write, 52x + 16x	1	1	10, 12, 14	26	26	1	10, 12, 14		32	10, 12, 14		
Lite On	LSC-24082KX	LSC-24082KX	USB 2.0	24x24x24+ 8X DVD-ROM	1	1	3			1						34
TEAC	DW-224SA	DW-224SA	SATA-150	24X Combo, 24X, 24X, 8X	1	1	3			1						
TEAC	DW-224EC	DW-224EC	ATA-133	24X Combo, 24X, 24X, 8X		10, 12, 14	10, 12, 14, 25	25	25		10, 12, 14,25		32	10, 12,14,	
TEAC	DW-552GA	DW-552GA	IDE	52X (CD) / 16X (DVD) read, 52X write, 32X rewrite	NT	4	4			4						
Toshiba	SD-R2212	SD-R2212	IDE/Slimline		1	1	3	26	26	1	10, 12, 14		32	10, 12, 14		

4.12 DVD+R/RW

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server 2003 R2	Windows* Server 2003 EM64T R2	Windows Professional XP* EM64T	Windows Ultimate Vista*	Windows Ultimate 64bit Vista*	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Plextor	PX-740UF	PX-740UF	USB 2.0	External, 8x DVD+R Double Layer,	1, 6	1, 6	3			1, 6					
Sony	DRX-720UL	DRX-720UL	USB 2.0	External Combination DVD-R/-RW 16X , DVD+RW/+R/+R DL, CD-R/RW Drive (double layer)	1	1	3	26	26	1	10, 12, 14		32	10, 12, 14	34

4.13 DVD Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server 2003 R2	Windows* Server 2003 EM64T R2	Windows Professional XP* EM64T	Windows Ultimate Vista*	Windows Ultimate 64bit Vista*	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
LG	GDR-8163BI	GDR-8163BI	ATA33		1	1	3	26	26	1	10, 12, 14		32	10, 12, 14	
Lite on	SHD-16S1S	SHD-16S1S	SATA		10, 12, 14	10, 12, 14, 25	25	25		10, 12, 14		32	10, 12, 14	34	
Plextor	PX-755SA	PX-755SA	DVD-ROM	16X48X SATA			25	25	25		25		32	25	
TEAC	DV-28E	DV-28E	IDE/Slimline	slimline, 8x-Speed DVD-ROM DRIVE, 8x DVDRAM	1	1				1					

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Ultimate	Windows Vista*	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T	Sun* Solaris* 10 08/07
Toshiba	SD-C2732	SD-C2732	IDE/Slimline	UDMA, 24x10x24x8X slimline	1	1					1						
Toshiba	SD-M1401	SD-M1401	SCSI-N	10X/40X	1	1					1						

4.14 Tape Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate EM64T	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
HP	DAT 72 USB	DAT 72 USB	USB 2.0	36 GB / 72 GB, USB 2.0, External	1	1	3,18,26	18,26	18,26		10, 12, 14		32	10, 12, 14
Quantum	DLT-V4	BHBAM-EY	SATA	Internal, 160/320 GB native capacity,	1	1				1, 7				
Quantum	DLT, VS160	BH2AA-YF	SCSI-U2	80GB native capacity, 8Mb transfer rate	1	1				1				
Sony	SDX-500 V/P	SDX-500 V/P	SCSI-U2	EXT 36-150GB AIT-2 SVR B/UP KIT SDXS500K	1	1				1				
Sony	SDX-470V	DAT-72 USB	TAPE										32	
Sony	SDX-700C/BM	AIT-3 Desktop	SCSI-U160	100 GB native capacity, 12 MB/s transfer rate	1	1				1				

4.15 KVM

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
Belkin	F1DA108T	Omniview PRO2 Series	PS/2	8 port keyboard/mouse/video	1	1				1				
Raritan	MMC8	IP Reach / Master Console II	PS/2	8 port keyboard/mouse/video	1	1, 10, 12, 14	10, 12, 14,18,26,	18,26	18,26	1	10, 12, 14		30, 32	10, 12, 14

4.16 Audio

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	SLES* 10 EM64T
Creative Labs	Blaster Live CT4769	70SB006003007	PCI-32/33	Sound card – entry level	1	1				1				
Creative Labs	X-Fi	70SB046000001	PCI	Sound card – Professional high-end			14	25	25					
Creative Labs	Audigy 4	70SB061000000	PCI	Sound card – high-end			14	26	26					
Creative Labs	Blaster Audigy 2	70SB024000005	PCI-32/33	Sound card – High end	1	1	3			1				

4.17 Video

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	Sun* Solaris* 10 08/07
3Dlabs	Realizm 800	Realizm 800	PCI Express			14,25		25	25					
MSI	MS-8961-04S	RX600XT-TD128	PCI Express	x16 workstation graphics	1	1								
ASUS	EAX600XT /TD	Extreme AX600Pro/TD	PCI Express	x16 mid-range desktop graphics	SA	SA								

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* Server R2 2003	Windows* Server EM64T R2 2003	Windows XP* Professional EM64T	Windows Vista* Ultimate	Windows Vista* Ultimate 64bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	Sun* Solaris* 10 08/07
ASUS	EAX600Pro /TD	Extreme AX600XT/TD	PCI Express	x16 mid-range desktop graphics	SA	SA								
ATI	LX 300SE	Radeon	PCI Express	x16 mid-range desktop graphics	1	1								
ATI	X300XT	X300XT	PCI Express	x16 mid-range desktop graphics	1	1								
ASUS	EAX300SE /T	Extreme AX300SE /T	PCI Express	x16 mid-range desktop graphics	SA	SA								
ASUS	EAX300 /TD	Extreme AX300 /TD	PCI Express	x16 mid-range desktop graphics	SA	SA								
ATI	X1600 XT	ATI X1600 (R530)	PCI Express	x16 mid-range graphics	1	1	3	26	26	14	14		32	
ATI	X1600 Pro	ATI X1600 (R530)	PCI Express	x16 mid-range graphics	SA	SA	SA	SA	SA	SA	SA		SA	
ATI	X1900 XLX	ATI X1900XLX (R580)	PCI Express	x16 high-end desktop graphic	1	1	2	26	26	26	26		32	
ATI	X1900 XTX	ATI X1900XTX (R580)	PCI Express	x16 high-end desktop graphic	SA	SA	SA	SA	SA	SA	SA		SA	
ATI	X1800 XT	ATI X1800 (R520)	PCI Express	x16 high-end desktop graphic	SA	SA	SA	SA	SA	SA	SA		SA	
ATI	X1800 XL	ATI X1800 (R520)	PCI Express	x16 high-end desktop graphic	SA	SA	SA	SA	SA	SA	SA		SA	
ATI	X850XT PE	X850XT Platinum Edition (R480)	PCI Express	x16 high-end desktop graphics	1	1	3							
ATI	X850XT (R480)	X850XT	PCI Express	x16 high-end desktop graphics	SA	SA	SA							
ATI	X850 Pro (R480)	X850 Pro	PCI Express	x16 high-end desktop graphics	SA	SA	SA							
ATI	RADEON 7000	Radeon 7000	PCI-32/33	PCI video with single monitor support	1	1	2	26	26	14	14		32	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2003 Server R2	Windows* 2003 Server EM64T R2	Windows Professional EM64T XP*	Windows Ultimate Vista*	Windows Ultimate 64bit Vista*	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat * Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5 32bit	Red Hat* Linux AS 5 EM64T	Sun* Solaris* 10 08/07
ATI	FireGL V5100	FireGL V5100	PCI Express	x16 workstation graphics	1,	1,26	2	26	26	26	26			
ATI	FireGL V7100	FireGL V7100	PCI Express	x16 workstation graphics	SA	SA	SA	SA	SA	SA	SA			
ATI	FireGL V7350	FireGL V7350	PCI Express	x16 workstation graphics	1	1	2	26	26	26			32	
ATI	FireGL V7300	FireGL V7300	PCI Express	x16 workstation graphics	SA	SA	SA	SA	SA	SA			SA	
Maxtrox	G550	G550	PCI Express	PCI-E video with daul monitor support		14	14	26	26	14	14		32	
nVidia	GeForce PCX 7800 GT	nVidia GeForce 7800	PCI Express	x16 workstation graphics	1	1								
nVidia	GeForce PCX 7800 GT	nVidia GeForce 7800	PCI Express	x16 high-end desktop graphic	1	1								
nVidia	GeForce PCX 7900 GT	nVidia GeForce 7900	PCI Express	x16 high-end desktop graphic	1	1,14	2, 38	26	26				32	34
nVidia	nVidia	FX-560	PCI Express	PCI-E video with daul monitor support		26	26	26	26	26			32	34
PNY	VCQFX1400-PCIE-PB	Quadro FX 1400	PCI Express	x16 workstation graphics	1	1								
nVidia	Quadro FX 1400	Quadro FX 1400	PCI Express	x16 workstation graphics	SA	SA								
PNY	Quadro FX 1500	VCQFX1500-PCIE-PB	PCI Express	x16 workstation graphics	1	1	3							34
PNY	Quadro FX 3500	VCQFX3500-PCIE-PB	PCI Express	x16 workstation graphics	1	1	26	26	26	14	14			

5.   Hard Disk Drives

Validated hard disk drives for the server boards S5000PSL, S5000XSL, S5000XVN and server system SC5400RA are now identified in the Server Hard Drive Validation Test Report found at:

http://support.intel.com/support/motherboards/server/sb/CS-025416.htm

6.   Installation Guidelines