Intel® Server Boards
S5000PSL/S5000XSL, Intel®
Workstation Board
S5000XVN, and Intel® Server
System SC5400RA

*Tested Hardware and Operating
System List*

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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 Microsoft 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 Microsoft Windows Vista* Ultimate 32 & 64-bit OS test results. Added Microsoft Windows XP* Certification information.
May 2007	1.92	Update tested tape drives. Added Microsoft Windows* Certification information for the Intel® Server Board S5000XVN. Consolidated tested removable media and removable drives.
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 Red Hat* Linux Enterprise Server AS 5.0 Certification information.
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.
January 2008	2.4	Updated Supported Operating Systems table. Updated OS Certification Information. Updated Tested Hardware. Added Installation Guidelines for Sun* Solaris 10.
April 2008	2.5	Updated Operating System table. Added Windows Server 2008* Certification. Added Sun* Solaris 10 Certification on S5000VXNSASR. Updated Tested Hardware. Updated Installation Guidelines for Sun* Solaris 10.
June 2008	2.6	Updated Operating System table, Solaris 10 certification, and introduction to Basic Installation Testing. Updated tested hardware. Added installation guideline for the installation of RHEL5 with ESRTII SATA RAID. Added information on fail to active RAID BIOS console by Ctrl + G issue.
August 2008	2.7	Updated tested hardware. Updated installation guide 6.2, 6.4 and 6.5.
October 2008	2.8	Added Intel RAID controller SASMF8I
December 2008	2.9	Updated tested hardware; Updated Installation guidelines 6.5

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1.   Introduction

This document serves as a guide for users to the different operating systems, adapter cards, and peripherals tested by Intel.

This document is updated as new adapters, peripherals, and operating systems are tested or until the Intel® Server Boards S5000PSL/S5000XSL, Intel® Workstation Board S5000XVN, and Intel® Server System SC5400RA are no longer in production. Each new release of the document includes both new information and information from previous releases.

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

1.1   Test Overview

Testing performed on the Intel® Server Boards S5000PSL/S5000XSL, Intel® Workstation Board S5000XVN, and Intel® Server System SC5400RA is classified under two categories:

- Basic Installation Testing
- Adapter / Peripheral Compatibility and Stress Testing

1.1.1   Basic Installation Testing

Basic installation testing is performed with each supported operating system. The testing validates that the server board or workstation 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. The add-in adapter cards are not tested.

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

1.1.1.1   Support Commitment for Basic Installation Testing

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

- Intel provides and tests operating system drivers for each integrated controller of the server board or workstation board, provided that the controller vendor has a driver available upon request. 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 integrated controllers of the server board or workstation board 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 customer acceptable workaround for the issue.

1.1.2 Adapter / Peripheral Compatibility and Stress Testing

Adapter / Peripheral Compatibility and Stress testing is performed only on the most current release of a supported operating system at the time of a given validation run. The Adapter / Peripheral Compatibility and Stress testing process consists of the following 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 (three days) 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 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 or workstation 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.

    There is no support commitment for operating systems, adapter cards, and peripherals not listed in this document. 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.

The testing of the Intel® Server Boards S5000PSL/S5000XSL and Intel® Workstation Board
S5000XVN was performed with either Intel® Server Chassis SC5400 or Intel® Entry Server
Chassis SC5299-E.

2.   Base System Configurations

The following table lists the tested base system configurations. Base system configurations will change as new revisions of the Intel® Server Boards S5000PSL/S5000XSL, Intel® Workstation Board S5000XVN, and Intel® Server System SC5400RA are released and/or new system BIOS and BMC (Basement Management Controller) 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 only provides support for adapters and peripherals under the specified base system configuration and operating system versions with which they were tested.

Base System Configuration Identifier #	Product Code	PBA Number	BIOS Revision	BMC Firmware Revision	FRUSDR	NIC EEPROM	Notes
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	
39	S5000PSLSATAR	E11027-100	R0085	62	46	4.00	
40	S5000PSLSASR	E11025-100	R0085	62	46	4.00	
41	S5000XVNSASR	E11034-100	R0085	62	46	4.00	
42	S5000PSLSATAR	E11027-101	R0085	63	45	4.00	4BPE HSC v2.08; 6BPE HSC v2.08
43	S5000XVNSASR	E11034-100	R0087	63	45	4.00	6BPE HSC v2.08
44	S5000PSLSATAR	E11027-100	R0085	63	46	4.00	
45	S5000PSLSASR	E11025-100	R0085	63	46	4.00	
46	S5000XVNSASR	E11034-100	R0085	63	46	4.00	
47	S5000XVNSASR	E11034-100	R0087	63	46	4.00	
48	S5000XVNSASR	E11034-100	R0088	63	46	4.00	
49	S5000PSLSATAR	E11027-100	R0088	63	46	4.00	
50	S5000PSLSASR	E11025-100	R0088	63	46	4.00	
51	S5000PSLSATAR	E11027-101	R0085	63	45	4.00	4BPE HSC v2.08; 6BPE HSC v2.08
52	S5000PSLSATAR	E11027-101	R0089	63	46	4.00	
53	S5000XVNSATAR	E11030-100	R0089	63	46	4.00	
54	S5000XVNSASR	E11034-100	R0089	63	46	4.00	
55	S5000PSLSATAR	E11027-101	R0094	63	45	4.00	6BPE HSC v2.09

3.   Supported Operating Systems

The following table provides a list of supported operating systems and identifies 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 Chapter 6. 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 from the operating systems supported by the Intel® Server Boards S5000PSL/S5000XSL, and Intel® Workstation Board S5000XVN. See the Readme and User Guide documents that 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 32-bit, Service Pack 2	Configuration 41 – Operating System Installation	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR.
Microsoft Windows XP* Professional EM64T, Service Pack 2	Configuration 2 – Compatibility and Stress Configuration 3 – Compatibility Configuration 4 – Compatibility Configuration 10 – Compatibility Configuration 12 – Compatibility Configuration 14 – Compatibility and Stress Configuration 18 – Operating System Installation and Compatibility Configuration 23 – Operating System Installation Configuration 25 – Operating System Installation and Compatibility Configuration 26 – Operating System S Installation and Compatibility Configuration 27 – Operating System Installation Configuration 29 – Operating System Installation Configuration 38 – Compatibility and Stress Configuration 41 – Operating System Installation	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR.
Microsoft Windows Vista* Ultimate 32-bit	Configuration 25 – Operating System Installation, Compatibility and Stress Configuration 26 – Operating System Installation and Compatibility Configuration 27 – Operating System Installation	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR.
Microsoft Windows Vista* Ultimate EM64T	Configuration 25 – Operating System Installation and Compatibility Configuration 26 – Operating System Installation, Compatibility, and Stress Configuration 27 – Operating System Installation	Workstation Boards Only: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR.

Microsoft Windows Server 2000*, Service Pack 4	Configuration 1 – Operating System Installation Configuration 18 – Operating System Installation Configuration 19 – Operating System Installation	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and 5000XVNSAS/S5000XVNSASR. Intel® Server System SC5400RA.
Microsoft Windows Server 2003* R2, 32-bit / Microsoft Windows Small Business Server 2003*, Service Pack 1/ Microsoft Windows Small Business Server 2003* R2	Configuration 1 – Compatibility and Stress Configuration 5 – Compatibility Configuration 6 – Compatibility Configuration 7 – Compatibility Configuration 15 – Stress Configuration 18 – Operating System Installation Configuration 19 – Operating System Installation Configuration 26 – Operating System Installation and Stress Configuration 27 – Operating System Installation Configuration 29 – Operating System Installation	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Intel® Server System SC5400RA. These server boards and server system also support the operating system portion of Microsoft Windows Small Business Server 2003* (SP1 or R2) only. The application portion is not tested or supported.
Microsoft Windows Server 2003* R2 32-bit, Service Pack 2	Configuration 30 – Operating System Installation Configuration 35 – Compatibility and Stress Configuration 39 – Operating System Installation and Compatibility Configuration 40 – Operating System Installation, Compatibility, and Stress Configuration 42 – Compatibility Configuration 44 – Compatibility Configuration 46 – Compatibility	Server Boards Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and 5000XSLSATA/S5000XLSATAR.

Microsoft Windows Server 2003* R2 EM64T	Configuration 1 – Compatibility and Stress Configuration 5 – Compatibility Configuration 6 – Compatibility Configuration 7 – Compatibility Configuration 10 – Compatibility Configuration 12 – Compatibility Configuration 14 – Compatibility and Stress Configuration 23 – Operating System Installation Configuration 24 – Stress Configuration 18 – Operating System Installation and Compatibility Configuration 25 – Operating System Installation and Compatibility Configuration 26 – Operating System Installation and Compatibility Configuration 27 – Operating System Installation Configuration 29 – Operating System Installation Configuration 39 – Operating System Installation and Compatibility Configuration 40 – Operating System Installation and Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XLSTATR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR. Intel® Server System SC5400RA.
Microsoft Windows Server 2003* R2 EM64T, Service Pack 2	Configuration 30 – Operating System Installation Configuration 42 – Compatibility Configuration 44 – Compatibility Configuration 46 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.
Microsoft Windows Server 2008* 32-bit	Configuration 48 – Compatibility Configuration 48 – Compatibility Configuration 49 – Stress Configuration 50 – Stress	Server Boards: S5000PSLSATAR, S5000PSLSASR, and S5000PSLROMBR. Workstation Boards: S5000XVNSATAR and S5000XVNSASR.
Microsoft Windows Server 2008* EM64T	Configuration 48 – Compatibility Configuration 48 – Compatibility Configuration 49 – Stress Configuration 50 – Stress	Server Boards: S5000PSLSATAR, S5000PSLSASR, S5000PSLROMBR. Workstation Boards: S5000XVNSATAR and S5000XVNSASR.
Red Hat* Linux Enterprise Server AS 4.0 Update2 EM64T	Configuration 1 – Compatibility and Stress Configuration 5 – Compatibility Configuration 6 – Compatibility Configuration 7 – Compatibility Configuration 14 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR. Intel® Server System SC5400RA.

Red Hat* Linux Enterprise Server AS 4.0 Update4 32-bit	Configuration 18 – Operating System Installation Configuration 19 – Operating System Installation	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Intel® Server System SC5400RA.
Red Hat* Linux Enterprise Server AS 4.0 Update4 EM64T	Configuration 10 – Compatibility and Stress Configuration 12 – Compatibility and Stress Configuration 14 – Compatibility Configuration 16 – Stress Configuration 18 – Operating System Installation, Compatibility, and Stress Configuration 19 – Operating System Installation Configuration 20 – Operating System Installation Configuration 21 – Operating System Installation Configuration 22 – Operating System Installation Configuration 23 – Operating System Installation Configuration 25 – Operating System Installation and Compatibility Configuration 26 – Operating System Installation and Compatibility	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Intel® Server System SC5400RA.
Red Hat* Linux Enterprise Server AS 5.0 32-bit	Configuration 30 – OS Installation Configuration 40 – OS Installation and Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.
Red Hat* Linux Enterprise Server AS 5.0 EM64T	Configuration 30 – Operating System Installation Configuration 31 – Operating System Installation Configuration 32 – Operating System Installation Configuration 36 – Compatibility and Stress Configuration 40 – Operating System Installation and Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.
Red Hat* Linux Enterprise Server AS 5.0 UP1 32-bit	Configuration 39 – Operating System Installation and Compatibility Configuration 40 – Operating System Installation and Compatibility Configuration 42 – Compatibility Configuration 42 – Compatibility Configuration 44 – Compatibility Configuration 45 – Compatibility Configuration 46 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.

Red Hat* Linux Enterprise Server AS 5.0 UP1 EM64T	Configuration 39 – Operating System Installation and Compatibility Configuration 40 – Operating System Installation and Compatibility Configuration 44 – Compatibility Configuration 45 – Compatibility Configuration 46 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.
SUSE* Linux Enterprise Server 9.0 RC5/ SP3 32-bit	Configuration 1 – Operating System Installation	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.
SUSE* Linux Enterprise Server 9.0 RC5/ SP3 64-bit	Configuration 1 – Operating System Installation	Server Boards Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR.
SUSE* Linux Enterprise Server 10 32-bit	Configuration 18 – Operating System Installation Configuration 19 – Operating System Installation	Server Boards and Server System Only: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Intel® Server System SC5400RA.
SUSE* Linux Enterprise Server 10 64-bit	Configuration 10 – Compatibility Configuration 12 – Compatibility and Stress Configuration 14 – Compatibility Configuration 15 – Stress Configuration 18 – Operating System Installation, Compatibility, and Stress Configuration 19 – Operating System Installation Configuration 20 – Operating System Installation Configuration 21 – Operating System Installation Configuration 22 – Operating System Installation Configuration 23 – Operating System Installation Configuration 25 – Operating System Installation and Compatibility Configuration 26 – Operating System Installation and Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR. Intel® Server System SC5400RA.
SUSE* Linux Enterprise Server 10 SP1 32-bit	Configuration 44 – Compatibility Configuration 45 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.

SUSE* Linux Enterprise Server 10 SP1 64-bit	Configuration 39 – Operating System S Installation and Compatibility Configuration 40 – Operating System Installation and Compatibility Configuration 44 – Compatibility Configuration 45 – Compatibility	Server Boards: S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, S5000XSLSATA/S5000XSLSATAR. Workstation Boards: S5000XVNSATA/S5000XVNSATAR and S5000XVNSAS/S5000XVNSASR.
Novell* NetWare 6.5, Service Pack 5	Configuration 1 – Operating System Installation Configuration 18 – Operating System Installation	Server Boards and Server System Only (ESRTII Disabled): S5000PSLSATA/S5000PSLSATAR, S5000PSLSAS/S5000PSLSASR, S5000PSLROMB/S5000PSLROMBR, and S5000XSLSATA/S5000XSLSATAR. Intel® Server System SC5400RA.
Sun* Solaris 10 U4 (08/07)	Configuration 34 – Compatibility and Stress Configuration 37 – Operating System Installation Configuration 43 – Compatibility and Stress	Server Board: S5000PSLSATA/S5000PSLSATAR Only (ESRTII Disabled). Workstation Board: S5000XVNSATAR (ESRTII Disabled). S5000XVNSASR (ESRTII Disabled).

Intel's testing was completed with the OS and latest available service packs. Microsoft Windows* 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

The following table lists the operating systems that Intel will certify with the Intel® Server Boards S5000PSL/S5000XSL, Intel® Workstation Board 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 following table for additional information.

Operating System	Certification Listing	Product Code	Comments
Microsoft Windows Server 2008* 32-bit and EM64T	WHQL Test – Passed Submission ID: 1286321	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 2008* 32-bit and EM64T	WHQL Test – Passed Submission ID: 1287148	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* 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

Operating System	Certification Listing	Product Code	Comments
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
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

Operating System	Certification Listing	Product Code	Comments
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
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
Microsoft Windows XP* Professional 32-bit	WHQL Test – Passed Submission ID: 1264092	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 32-bit	Bulletin ID: 87708, 87711, 87734, 87742, 87743, 87744, 87750	S5000PSLSATA	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate 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 certificate on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
SUSE* Linux Enterprise Server 10 32-bit	Bulletin ID: 87738, 87775	S5000PSLROMB	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate 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 certificate 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	Comments
SUSE* Linux Enterprise Server 10 32-bit with XEN	Bulletin ID: 88035	S5000PSLSATA – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate 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 certificate 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 SP1	Bulletin ID : 94824	S5000XSLSATAR – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate 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 SP1 with XEN	Bulletin ID : 94825	S5000XSLSATAR – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate 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 SP1	Bulletin ID : 95028	S5000XVNSATAR – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate 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 SP1 with XEN	Bulletin ID : 95053	S5000XVNATAR – ESRTII disabled	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Red Hat* Linux Enterprise AS 4.0 Update4 / EM64T	Certification ID: 222480, 22769, 222476	S5000PSLATA, S5000PSLSAS, S5000PSLROMB	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 234623	S5000PSLSATA – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 237875	S5000PSLSAS – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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	Comments
Red Hat* Linux Enterprise AS 5.0 32-bit and EM64T with Xen	Certification ID: 240043	S5000PSLROMB – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 25470	S5000XVNSATA - ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 237032	S5000XVNSAS – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 381031	S5000XSLSATAR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 378861	S5000PSLSASR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 401871	S5000PSLROMBR	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 406821	S5000XVNSATAR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate 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 32-bit and EM64T with Xen	Certification ID: 406761	S5000XVNSASR – ESRTII disabled	Red Hat checks Intel's test results, certifies (if appropriate), and posts the certificate on their website. Customer can leverage the Intel certification, if customer's product meets the operating system vendor standard.
Sun* Solaris 10 U4 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/data/systems/details/2944.html

Operating System	Certification Listing	Product Code	Comments
Sun* Solaris 10 U4 08/07	N/A	S5000XVNSASR – ESRTII disabled	Sun checks Intel's test results, certifies (if appropriate), and posts the certificate on their website. http://www.sun.com/bigadmin/hcl/data/systems/details/3396.html
Sun* Solaris 10 U4 08/07	N/A	S5000XVNSATAR – ESRTII disabled	Sun checks Intel's test results, certifies (if appropriate), and posts the certificate on their website. http://www.sun.com/bigadmin/hcl/data/systems/details/3508.html

4.   Adapters and Peripherals

Compatibility and stress testing for add-in adapter cards and peripherals is only performed with the latest version of an operating system available at the time the validation testing occurred. The following tables identify the operating system and base system configurations used to validate each device. The adapters are divided into categories based on their functionality. All integrated onboard devices are tested by default and are therefore not included in the following tables.

> All adapter cards were not tested under all operating systems.

The following notation is used in the following table to indicate the support level that Intel provides for a particular adapter under a particular operating system:

- **Number:** This adapter or peripheral was tested and is supported under the specific configuration identified in the Base System Configurations table in Chapter 2.
- **Number in brackets:** This adapter or peripheral was tested, but is NOT supported under the specific configuration identified in the Base System Configurations table in Chapter 2
- **NT:** This adapter or peripheral was not tested under this operating system and is not supported under this operating system.
- **ND:** This adapter or peripheral was not tested under this operating system due to limitations in IHV (Independent Hardware Vendors) driver availability, and is not suported under this operating system.
- **SA (Similar Adapter):** This adapter is supported, but not tested. This adapter model was not tested with this server board/workstation 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/ workstation board. This adapter uses the same firmware and drivers, and has a nearly identical system interface to another adapter of the same family that was successfully tested with this server board/workstation 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 the expected adapter functionality are documented in Chapter 6. If there are specific installation guidelines affecting a particular adapter and operating system combination, these are referenced in the following tables. If the installation guidelines are not noted in the following tables, it means that the adapter installed and functioned as expected using manufacturer's installation instructions or Intel's best-known methods.

> Testing of adapter cards is normally performed with unused add-in adapters and onboard controller expansion ROMs (Read-Only Memory) disabled in the BIOS setup. Intel recommends that customers disable the option ROM for add-in controllers and/or the onboard 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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T
3Ware	9500S	9500S-12	PCI 64/66	12 channel SATA 1.0, RAID 0, 1, 10, 5. PCI 64/66	18	18					18			
3Ware	9500S	9500S-12ML	PCI 64/66	12 channel SATA 1.0, RAID 0, 1, 10, 5. PCI 64/66	SA	SA					SA			
3Ware	9500S	9500S-4LP	PCI 64/66	4 channel SATA 1.0, RAID 0, 1, 10, 5. PCI 64/66	SA	SA					SA			
3Ware	9500S	9500S-8	PCI 64/66	8 channel SATA 1.0, RAID 0, 1, 10, 5. PCI 64/66	SA	SA					SA			
3Ware	9500S	9500S-8ML	PCI 64/66	8 channel SATA 1.0, RAID 0, 1, 10, 5. PCI 64/66	SA	SA					SA			
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	26,52	26,54	26, 54	54	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

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T
3Ware	9650SE	9650SE-12ML	PCI Express*	12-port SATA 3 Gbps, RAID 0, 1, 10, 5, 6, 50. PCI Express x4	18	18					18			
3Ware	9650SE	9650SE-16ML	PCI Express	16-port SATA 3 Gbps, RAID 0, 1, 10, 5, 50. PCI-X 64/133	SA	SA					SA			
3Ware	9650SE	9650SE-24M8	PCI Express	24-port SATA 3 Gbps, RAID 0, 1, 10, 5, 6, 50. PCI Express x8	SA	SA					SA			
3Ware	9650SE	9650SE-2LP	PCI Express	2-port SATA 3 Gbps, RAID 0, 1, 10, 5, 50. PCI Express x4	SA	SA					SA			
3Ware	9650SE	9650SE-4LPML	PCI Express	4-port SATA 3 Gbps, RAID 0, 1, 10, 5, 50. PCI Express x4	SA	SA					SA			
3Ware	9650SE	9650SE-8LPML	PCI Express	8-port SATA 3 Gbps, RAID 0, 1, 10, 5, 6, 50. PCI Express x4	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 Gbps RAID PCI-X*, 256 MB DDR mem, BBU opt.	SA	SA					SA			

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T
ICP vortex	ICP9087MA	ICP9087MA	PCI-X 133	8-port, SATA II 3 Gbps RAID PCI-X, 256 MB DDR mem, BBU opt.	SA	SA				SA				
Intel	Server RAID Controller SRCS16	SRCS16	PCI 64/66	6-port, SATA 1.5 G, RAID 0, 1, 10, 5, 50	40	10, 40	14					10	40	10,25
Intel	Server RAID Controller SRCS28X	SRCS28X	PCI-X 133	8-port SATA 3.0 G, RAID 0, 1, 10, 5, 50	1, 44, 52	1,44, 52	3,54	26, 54	26,54	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, 44	1, 44	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 – 3 Gb SATA			10				ND			ND

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Novell* Netware 6.5 SP5	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 10 SP1 32-bit	SuSE* 10 SP1 EM64T
Intel	Server RAID Controller SRCSATAWB	SRCSATAWB	PCI Express	1078 ROC - 8 internal ports SATA 3 GB			33				
Intel	Server RAID Controller SRCS28X	SRCS28X	PCI-X 133	8-port SATA 3.0 G, RAID 0, 1, 10, 5, 50	47	47,52		45, 52	45, 52	45,52	45, 52

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Novell* Netware 6.5 SP5	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 10 SP1 32-bit	SuSE* 10 SP1 EM64T
LSI Logic	MegaRAID SATA 300-8x	MegaRAID SATA 300-8x	PCI-X 133	8-port, SATA II, RAID 0, 1, 10, 5, 50	47	47		45	45	45	45
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
3Ware	9550SX	9550SX-12MI	PCI-X	12-port SATA II RAID 0, 1,10, 5, 50 (RoHS)		52		52	52	52	52
3Ware	9650SE	9650SE-8LPML	PCI Express	8-port SATA 3 Gbps, RAID 0, 1, 10, 5, 6, 50. PCI Express x4	55	55		55	55		

4.2 SAS and SAS RAID Controller

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Intel	SASMF8I	SASMF8I	PCI Express	1068e SAS 3GB 8 internal ports, RAID 0,1,10,5	52, 53	52,53		52, 53	52,53			52, 53	52,53	52,53	
3Ware	9690SA	9690SA-8I	PCI Express	8-port Internal SAS/SATA, RAID 0, 1, 10, 5, 6, 50, PCI Express x8	35	35						35	35		

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
3Ware	9690SA	9690SA-8E	PCI Express	8-port External SAS/SATA, RAID 0, 1, 10, 5, 6, 50, PCI Express x8	SA	SA						SA	SA		
3Ware	9690SA	9690SA-414E	PCI Express	4-port Internal and 4-port External SAS/SATA, RAID 0, 1, 10, 5, 6, 50, PCI Express x8	SA	SA						SA	SA		
Adaptec	Adaptec RAID 3805	3805	PCI Express	8 internal ports SAS 3G, Brockton + Razor, fixed DDR2 256 MB, optional battery RAID 0,1,1E, 10, 5, 50, 5EE, 6, 60, JBOD—PCI Express x8	18, 52	18,52	53	53	53	18					34, 43
Adaptec	Adaptec RAID 3085	3085	PCI Express	8 external ports, SAS 3 Gbps RAID PCI Express, 256 MB DDR2 mem, BBU opt., Brockton + Razor, RAID 0, 1, 1E,10, 5, 50, 5EE, 6, 60, JBOD	SA	SA	53	53	53	SA					SA
Adaptec	Adaptec RAID 3405	3405	PCI Express	4 internal ports SAS 3G, Brockton + Razor, fixed DDR2 128 MB, optional battery RAID 0,1,1E, 10, 5, 50, 5EE, 6, 60, JBOD—PCI Express x4	SA	SA				SA					

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Adaptec	Adaptec RAID 31605	31605	PCI Express	16-port SAS 3G, Brockton + Razor, fixed DDR2 256 MB, optional battery, RAID 0, 1, 1E, 10, 5, 50, 5EE, 6, 60, JBOD	35	35						35	35		
Adaptec	Adaptec RAID 31205	31205	PCI Express	12-port SAS 3G, Brockton + Razor, fixed DDR2 256 MB, optional battery, RAID 0, 1, 1E, 10, 5, 50, 5EE, 6, 60, JBOD	SA	SA						SA	SA		
Adaptec	Adaptec RAID 5805	5805	PCI Express	2x4 int, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB	42	42						42	42		
Adaptec	Adaptec RAID 5445	5445	PCI Express	1x4 int/ext, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB	SA	SA						SA	SA		
Adaptec	Adaptec RAID 5405	5405	PCI Express	1x4 int, SATA/SAS, PCI Express x8, 800 MHz, 256 MB	SA	SA						SA	SA		
Adaptec	Adaptec RAID 5085	5085	PCI Express	2x4 ext, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB	SA	SA						SA	SA		
Adaptec	Adaptec RAID 52445	52445	PCI Express	6x4 int/1x4 ext, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB	42	42						42	42		

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Adaptec	Adaptec RAID 51245	51245	PCI Express	3x4 int/1x4 ext, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB	SA	SA						SA	SA		
Adaptec	Adaptec RAID 51645	51645	PCI Express	4x4 int/1x4 ext, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB	SA	SA						SA	SA		
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	2,54	26, 54	26,54	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	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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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 SRCSASJV	SRCSASJV	PCI Express	1078 ROC - 8 internal ports SAS 3 GB, PCI Express x8, C2 hardware revision			53	53	53						
Intel	Server RAID Controller SRCSAS144E	SRCSAS144E	PCI Express	1068 SAS 3 GB 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 3 GB 8 internal ports	1	1	2	26	26	1	12		32	26	
Intel	Server RAID Controller SCSASPH16I	SRCSASPH16I	PCI Express	2x1068 SAS 3 GB 16 internal ports	SA	SA	SA	SA	SA	SA	SA		SA	SA	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
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	52	52	53	53	53		15		32	15	
LSI Logic	3041E	3041E	PCI Express	1064e chip – 4 ports		SA	SA	SA	SA		SA		SA	SA	
LSI Logic	3080E	3080E	PCI Express	1068e chip – 8 internal ports		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	
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 3 GB 8 internal ports, RAID 0, 1, 10, 5, 50	52	10,18, 52	10,53	18, 53	18,53		10, 18		30	10	
LSI Logic	MegaRAID SAS 8408E	MegaRAID SAS 8408E	PCI Express	Brockton/1068 SAS 3 GB 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 3 GB 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 3 GB 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	Microsoft Windows Server 2000* SP4	Microsoft Windows Server 2003* R2 32-bit	Microsoft Windows Server 2003* R2 EM64T	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 4.0 Update 5 EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 9 SP3 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Intel	SASMF8I	SASMF8I	PCI Express	1068e SAS 3GB 8 internal ports, RAID 0,1,10,5				52, 53	52, 53	52, 53			52,53	52,53	52,53
Adaptec	Adaptec RAID 3805	3805	PCI Express	8 internal ports SAS 3G, Brockton + Razor, fixed DDR2 256 MB, optional battery RAID 0,1,1E, 10, 5, 50, 5EE, 6, 60, JBOD-- PCI Express x8		52	52	48, 52	48, 52		52	52		52	52
Adaptec	Adaptec RAID 3085	3085	PCI Express	8 external ports, SAS 3 Gbps RAID PCI Express, 256MB DDR2 mem, BBU opt., Brockton + Razor, RAID 0, 1, 1E,10, 5, 50, 5EE, 6, 60, JBOD				SA	SA						
Adaptec	Adaptec RAID 2405	2405	PCI Express	4 internal ports, SAS 3 Gbps, PCI Express,128MB DDR2 memory, RAID 0, 1, & 10		51	51	51	51		51	51			

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2000* SP4	Microsoft Windows Server 2003* R2 32-bit	Microsoft Windows Server 2003* R2 EM64T	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 4.0 Update 5 EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 9 SP3 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Adaptec	Adaptec RAID 3405	3405	PCI Express	4 internal ports SAS 3G, Brockton + Razor, fixed DDR2 128 MB, optional battery RAID 0,1,1E, 10, 5, 50, 5EE, 6, 60, JBOD—PCI Express x4				SA	SA						
Adaptec	Adaptec RAID 5805	5805	PCI Express	2x4 int, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB				51	51						
Adaptec	Adaptec RAID 52445	52445	PCI Express	6x4 int/1x4 ext, SATA/SAS, PCI Express x8, 1.2 GHz, 512 MB				51	51						
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		52	52	52			44,52	44, 52		44	44
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

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2000* SP4	Microsoft Windows Server 2003* R2 32-bit	Microsoft Windows Server 2003* R2 EM64T	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 4.0 Update 5 EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 9 SP3 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Intel	Server RAID Controller SRCSASRB	SRCSASRB	PCI Express	1078 ROC - 8 internal ports SAS 3 GB, PCI Express x4, C2 hardware revision		33,44	44	48	48		40, 44	40, 44		44	40, 44
Intel	Server RAID Controller SRCSASJV	SRCSASJV	PCI Express	1078 ROC - 8 internal ports SAS 3 GB, PCI Express x8, C2 hardware revision	33	52	52	47, 52	47, 52	33	39,52	39, 52		52	39,52
Intel	Server RAID Controller SRCSASBB 8I	SRCSASBB8I	PCI Express	1078 ROC - 8 internal ports SAS 3 GB, LP-MD2 form factor	SA			SA	SA	SA	SA	SA			SA
Intel	Server RAID Controller SRCSASLS 4I	SRCSASLS4I	PCI Express	1078 ROC - 4 internal ports SAS 3 GB, LP-MD2 form factor	SA			SA	SA	SA	SA	SA			SA
Intel	Server RAID Controller SRCSAS144 E	SRCSAS144E	PCI Express	1068 SAS 3 GB 4 internal ports, B1 hardware revision		44	44	48	48		44	44	33	44	44
Intel	Server RAID Controller SRCSAS18 E	SRCSAS18E	PCI Express	1068 SAS 3 GB 8 internal ports				48	48				SA		
Intel	Server RAID Controller SCSASPH1 6I	SRCSASPH16I	PCI Express	2x1068 SAS 3 GB 16 internal ports									SA		
LSI Logic	3442E	3442E (IT)	PCI Express	1068 chip – 8 ports		52	52	52	52		15,52	52	32	52	52

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2000* SP4	Microsoft Windows Server 2003* R2 32-bit	Microsoft Windows Server 2003* R2 EM64T	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 4.0 Update 5 EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 9 SP3 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
LSI Logic	MegaRAID SAS 8308ELP	MegaRAID SAS 8308ELP	PCI Express	Brockton/1068 SAS 3 GB 8 internal ports, RAID 0, 1, 10, 5, 50				47, 52	47, 52		44,52	44, 52		44,52	44,52
LSI Logic	MegaRAID SAS 8408E	MegaRAID SAS 8408E	PCI Express	Brockton/1068 SAS 3 GB 8 internal ports, RAID 0, 1, 10, 5, 50				SA	SA		SA	SA		SA	SA
LSI Logic	MegaRAID SAS 8480	MegaRAID SAS 8480E	PCI Express	Brockton/1068 SAS 3 GB 8 external ports, RAID 0, 1, 10, 5, 50				SA	SA		SA	SA		SA	SA
LSI Logic	MegaRAID SAS 8344ELP	MegaRAID SAS 8344ELP	PCI Express	Brockton/1068 SAS 3 GB 4 internal / 4 external ports, RAID 0, 1, 10, 5, 50				SA	SA		SA	SA		SA	SA
3Ware	9690SA	9690SA-414E	PCI Express	4-port Internal and 4-port External SAS/SATA, RAID 0, 1, 10, 5, 6, 50, PCI Express x8				55	55		55	55			

4.3   SCSI and SCSI RAID Controllers

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional SP2 32-bit	Microsoft Windows XP* Professional SP 2 EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 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				
Adaptec	ASC-29320LPE	ASC-29320LPE	PCI Express	1 channel SCSI, PCI Express Host Bus Adapter--29320ALP with PLX PCI Express bridge on the front end--SCSI I/O and Tape support--No HostRAID.	18	18						18			
Adaptec	ASC-39320A-R (HostRAID)	ASC-39320A-R	PCI-X 133	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, Low Profile	1	1					1				
Adaptec	ASR-2130SLP	ASR-2130SLP	PCI-X 133	1 channel U320 SCSI RAID 0, 1, 10, 5, Low Profile	SA	SA					SA				

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional SP2 32-bit	Microsoft Windows XP* Professional SP 2 EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T
Adaptec	ASR-2230S	ASR-2230S	PCI-X 133	2 ch, U320 RAID 0, 1, 10, 5, 50, JBOD, PCI-X	1,40,52	1,40,52	53	3,53	53	53	1			32, 40	
Adaptec	ASR-2130S	ASR-2130S	PCI-X 133	1 ch, U320 RAID 0, 1, 10, 5, 50, JBOD, PCI-X	SA	SA		SA			SA			SA	
ICP vortex	ICP9024RO	ICP9024RO	PCI-X 133	2 ch, U320 RAID PCI-X, 256 MB DDR mem, BBU opt	SA	SA		3			SA			SA	
ICP vortex	ICP9014RO	ICP9014RO	PCI-X 133	1 channel, U320 RAID PCI-X*, 256 MB DDR mem, BBU optional	SA	SA		3			SA			SA	
Intel	Server RAID Controller SRCU42X	SRCU42X	PCI-X 133	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	1,5,44,52	1,5,44,52	46,53	14, 46,53	26, 46,53	26, 46,53	1, 5	10	44	32, 44	26
LSI Logic	MegaRAID SCSI 320-2X	MegaRAID SCSI 320-2X	PCI-X 133	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-X 133	4 channel, U320 RAID 0, 1, 10, 5, 50, PCI-X SCSI	SA	SA		3			SA				

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional SP2 32-bit	Microsoft Windows XP* Professional SP 2 EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T
LSI Logic	LSI22320-R (IME)	LSI22320-R	PCI-X 133	2 channel U320 SCSI, 1030 chip	1, 7, 44, 46	1, 7, 44	46	3, 38, 46	26, 46	26, 46	1, 7	26	44	32, 44	26
LSI Logic	LSI22320-R (IS)	LSI22320-R	PCI-X 133	2 channel U320 SCSI, 1030 chip	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI22320-R (IT)	LSI22320-R	PCI-X 133	2 channel U320 SCSI, 1030 chip	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI20320-R (IME)	LSI22320-R	PCI-X 133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	12, SA
LSI Logic	LSI20320-R (IS)	LSI22320-R	PCI-X 133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LSI Logic	LSI20320-R (IT)	LSI22320-R	PCI-X 133	1 channel U320 SCSI, 1020 chip	SA	SA	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				

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	SuSE* Linux Enterprise Server 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	Sun* Solaris 10 U4 (08/07)
Adaptec	ASR-2230SLP	ASR- 2230SLP	PCI-X 133	2 channel U320 SCSI RAID 0, 1, 10, 5, Low Profile	47	47					43
Adaptec	ASR-2130SLP	ASR-2130SLP	PCI-X 133	1 channel U320 SCSI RAID 0, 1, 10, 5, Low Profile	SA	SA					SA
Adaptec	ASR-2230S	ASR-2230S	PCI-X 133	2 ch, U320 RAID 0, 1, 10, 5, 50, JBOD, PCI-X			52	52	52	52	
Adaptec	ASC-39320A-R (HostRAID)	ASC-39320A-R	PCI-X 133	2 channel U320 SCSI, 7902B0 chip 2 external / 2 internal connectors	47	47					
Intel	Server RAID Controller SRCU41L	SRCU41L	PCI-64/66	1 channel, U320 RAID 0, 1, 5, 10, 50	47,52	47,52	52	52	52	52	
Intel	Server RAID Controller SRCU42X	SRCU42X	PCI-X 133	2 channel, U320 RAID 0, 1, 5, 10, 50, PCI-X				47			47
LSI Logic	LSI22320-R (IME)	LSI22320-R	PCI-X 133	2 channel U320 SCSI, 1030 chip	47	47	44	44			
LSI Logic	LSI22320-R (IS)	LSI22320-R	PCI-X 133	2 channel U320 SCSI, 1030 chip	SA	SA	SA	SA			
LSI Logic	LSI22320-R (IT)	LSI22320-R	PCI-X 133	2 channel U320 SCSI, 1030 chip	SA	SA	SA	SA			
LSI Logic	LSI20320-R (IME)	LSI22320-R	PCI-X 133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA			

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	SuSE* Linux Enterprise Server 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	Sun* Solaris 10 U4 (08/07)
LSI Logic	LSI20320-R (IS)	LSI22320-R	PCI-X 133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA			
LSI Logic	LSI20320-R (IT)	LSI22320-R	PCI-X 133	1 channel U320 SCSI, 1020 chip	SA	SA	SA	SA			

4.4   Fiber Channel

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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-X 133	Dual Channel 2 Gb FC controller Universal PCI-LP/RP Optical	1,6, 52	1,52		54	54	1			32	12	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Emulex	LP10000-M2	LP10000	PCI-X 133	Single Channel 2 Gb FC controller Universal PCI-LP/RP Optical	SA	SA				SA			SA	SA	
Emulex	LP1050-F2	LP1050	PCI-X 133	Single Channel 2 Gb FC controller Universal PCI-LP/RP Optical	SA	SA				SA			SA	SA	
Emulex	LP1050DC-F2	LP1050DC	PCI-X 133	Dual Channel 2 Gb FC controller Universal PCI-LP/RP Optical	SA	SA				SA			SA	SA	
Qlogic	QLA2342	QLA2342	PCI-X 133	Dual channel 2 Gb FC Optical, 2312 chip	1	1	3			1	14		32	26	
Qlogic	QLA2340	QLA2340	PCI-X 133	Single channel 2 Gb FC Optical, 2312 chip	SA	SA	SA			SA	SA		SA	SA	
Qlogic	QLE2462	QLE2462	PCI Express	Dual channel 4 Gb FC HBA – LC Multi-mode Optic	1	1	3	18	18	1	ND		30	18	
Qlogic	QLE2460	QLE2460	PCI Express	Single channel 4 Gb FC HBA – LC Multi-mode Optic	SA	SA	3	SA	SA	SA			SA	SA	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* Linux Enterprise Server 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Emulex	LP10000ExDC-M2	LP10000ExDC-M2	PCI Express	Dual channel, 2 Gb FC, PCI Express*	47	47	45	45		
Emulex	LP1050Ex-F2	LP1050Ex	PCI Express	Single channel, 2 Gb FC, PCI Express	SA	SA	SA	SA		
Emulex	LP10000DC-M2	LP10000DC	PCI-X 133	Dual Channel 2 Gb FC controller Universal PCI-LP/RP Optical			52	52	52	52
Qlogic	QLA2342	QLA2342	PCI-X 133	Dual channel 2 Gb FC Optical, 2312 chip	48	48				
Qlogic	QLA2340	QLA2340	PCI-X 133	Single channel 2 Gb FC Optical, 2312 chip	SA	SA				

4.5   NIC

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Intel	PRO/1000 GT Quad Port Svr Adapter	PWLA8494GT	PCI-X 133	4 port copper, 2x82546GB; I/OAT Enabled	1, 40, 52	1,25, 40,52	3,54	25, 54	25,54	1, 5	14		32	14	34

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Intel	PRO/1000 PT Desktop Adapter	EXPI9300PT	PCI Express	1 port, 1 GbE, copper, desktop	1	1	3	26	26	1	10		32	10	
Intel	PRO/1000MT Dual Port Gigabit Server Adapter	PWLA8492MT	PCI-X 133	10/100/1000baseT, Dual Port, Copper, No bridge	1,52	1,52	3,54	54	54	1	10, 26		32	10,26	34
Intel	PRO/1000MF Dual Port Gigabit Server Adapter	PWLA8492MF	PCI-X 133	1000baseLC, Dual Port, Fiber, No bridge	SA	SA	3			SA	SA		SA	SA	
Intel	PRO/1000MT Gigabit Server Adapter	PWLA8490MT	PCI-X 133	10/100/1000baseT, Copper, No bridge	1	1				1					
Intel	PRO/1000MF Gigabit Server Adapter	PWLA8490MF	PCI-X 133	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, 1 Gb Ethernet, PCI Express	1,52	1,52	3,53	26, 53	26,53	1	12		32	12	
Intel	Intel® PRO/1000 PF Server Adapter	EXPI9400PF	PCI Express	1 port Fibre, 1 Gb 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, 1 Gb Ethernet, PCI Express	1,52	1,52	3,54	54	54	1	12		32	12	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 08/07
Intel	Intel® PRO/1000 PF Dual Port Server Adapter	EXPI9402PF	PCI Express	2 port Fibre, 1 Gb 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); 1 GbE; 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, 1 GbE, 2x82571EB (Ophir), I/OAT Enabled	52	52	54	54	54						34
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, 39, 52	1, 39,52	4,54	54	54	1	10			10	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Intel	PRO/100+ Dual Port	PILA8472C3	PCI-64/66	10/100baseT, Dual port	47	47				

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Intel	PRO/1000MT Dual Port Gigabit Server Adapter	PWLA8492MT	PCI-X 133	10/100/1000baseT, Dual Port, Copper, No bridge	47, 52	47,52	52	52	52	52
Intel	PRO/1000MF Dual Port Gigabit Server Adapter	PWLA8492MF	PCI-X 133	1000baseLC, Dual Port, Fiber, No bridge	SA	SA				
Intel	PRO/1000 GT Quad Port Svr Adapter	PWLA8494GT	PCI-X 133	4 port copper, 2x82546GB; I/OAT Enabled	47,52	47,52	40,52	40,52	52	40,52
Intel	PRO/1000 PT Desktop Adapter	EXPI9300PT	PCI Express	1 port, 1 GbE, copper, desktop	47	47				
Intel	Intel® PRO/1000 PT Server Adapter	EXPI9400PT	PCI Express	1 port 1000Base-T, 1 Gb Ethernet, PCI Express	47,52	47,52	52	52	52	52
Intel	Intel® PRO/1000 PF Server Adapter	EXPI9400PF	PCI Express	1 port Fibre, 1 Gb Ethernet, PCI Express	SA	SA				
Intel	Intel® PRO/1000 PT Dual Port Server Adapter	EXPI9402PT	PCI Express	2 port 1000Base-T, 1 Gb Ethernet, PCI Express	47, 52	47,52	52	52	52	52

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32-bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 32-bit	SuSE* Linux Enterprise Server 10 SP1 EM64T
Intel	Intel® PRO/1000 PF Dual Port Server Adapter	EXPI9402PF	PCI Express	2 port Fibre, 1 Gb Ethernet, PCI Express, 82571EB	SA	SA				
Intel	Intel® PRO/1000 PT Quad Port Bypass Adapter	EXPI9404PT	PCI Express	Kirkwood, 4 port copper, 2x82571EB (Ophir); 1 GbE; I/OAT Enabled	47, 48	47, 48	44	44	44	44
Intel	Intel® PRO/1000PT Quad Port LP Server Adapter	EXPI9404PTL	PCI Express	4 port, copper, 1 GbE, 2x82571EB (Ophir), I/OAT Enabled	52	52	52	52	52	52
Syskonnect	SK-9E22	SK-9E22	PCI Express	2 x 10/100/1000 LAN, based on Marvell 88E8062 YukonEC	47, 52	47,52	39, 44, 52	39, 44, 52	44, 52	44,52

4.6   Modems

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 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 – Microsoft Windows, DOS, Linux	1,7, 52	1,7, 52	3,54	ND	ND	1, 7	ND			ND

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 EM64T	SuSE* 10 SP1 32-bit
Hayes	Hayes V.92 Serial External	H08-15328	RS-232	Serial port – Microsoft Windows, DOS, Linux			52	52	52	52

4.7   Removable Media

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 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, 52	1,52	2,54			1					
Crucial	Gizmo! 1 GB	CT1GBUFD	USB 2.0	1 GB, Read 11 MB/s & Write 10 MB/s	1	1	3			1					
Hitachi	EXT-MDFW40	E01G250	USB 2.0		1	1				1					
Iomega	Micro Mini™ 1 GB Drive	SKU 33136	USB 2.0		1	1				1					
Lexar	1 GB 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	1 GB, Read 18 MB/s & Write 15 MB/s	1	1	3			1					
Memorex	1 GB Travel Drive	32509363	USB 2.0	1 GB USB Flashdrive	1, 52	1,52	10, 12, 14	53	53	1	10, 12, 14		32	10, 12, 14	
Memorex	2 GB Travel Drive	3.3E +07	USB 2.0	2 GB USB Flashdrive			25	25	25		25			25	
PNY	Attache' 2 GB	P-FD02GU20	USB 2.0	2 GB 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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 08/07
SanDisk	Cruzer Mini USB Flash	SDCZ2-4096	USB 2.0	4 GB USB Flashdrive	1, 52	1,52	3 , 25	25, 53	25,53	1	10, 12, 14, 25		32	10, 12, 14 , 25	34
Seagate	ST660211U-RK	ST660211U-RK	USB 2.0	6 GB 3600RPM Portable USB HD	1, 52	1, 10, 12, 14,52	25	25, 53	25,53	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, 52	1,52	3	53	53	1					
TEAC	FD-05PUW268	FD-05PUW268	USB	3½" Floppy, USB	52	52	25	25, 53	25,53				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		

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 08/07
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

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 EM64T	SuSE* 10 SP1 32-bit
TEAC	FD-O5PUB	FD-O5PUB	USB	3½" Floppy, USB		52	44,52	44,52	52	44,52
TEAC	FD-05PUW268	FD-05PUW268	USB	3½" Floppy, USB		52	44,52	44,52	52	44,52
Addonics	AEMED35AUM	Combo Hard Drive Kit	USB 2.0	Converter cable USB2.0 to ATA HD (Seagate ST380021A Barracuda 4)	52		52	52	52	52
Memorex	1 GB Travel Drive	32509363	USB 2.0	1 GB USB Flashdrive		52	52	52	52	52
SanDisk	Cruzer Mini USB Flash	SDCZ2-4096	USB 2.0	4 GB USB Flashdrive		52	52	52	52	52

4.8   USB/PS2 Human Input Device

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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	1,52	1,52	2,54			1				52	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					
Microsoft	Intellimouse Optical	B75-00092	PS/2 and USB	Mouse	44	44	44			1					

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 EM64T	SuSE* 10 SP1 32-bit
Microsoft	Intellimouse Optical	B75-00092	PS/2 and USB	Mouse		52	52	52	52	52

4.9   CD-ROM Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 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	Slimline 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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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 CD-RW Combo	1	1	3			1					

4.11 CD-RW/DVD-ROM Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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	1,52	1,52	10, 12, 14,53	26, 53	26,53	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					
TEAC	DW-224E-C93	DW-224E-C93	IDE/Slimline		52	52	53	53	53						
TEAC	DW-224E-VZ3	DW-224E-VZ3	TA-133	24X Combo, 24X, 24X, 8X	52	52	54	54	54						
Toshiba	SD-R2212	SD-R2212	IDE/Slimline		1	1	3	26	26	1	10, 12, 14		32	10, 12, 14	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 32-bit	SuSE* 10 SP1 EM64T
TEAC	DW-224E-VZ3	DW-224E-VZ3	TA-133	24X Combo, 24X, 24X, 8X	52	52	44,52	44,52	44,52	52
TEAC	DW-224E-C93	DW-224E-C93	IDE/Slimline		52	52	52	52	52	52
Lite On	SHC-52S7K	SHC-52S7K	SATA	Combo; 52x32x write, 52x + 16x	52	52	52	52	52	52

4.12 DVD+R/RW

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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
Sony	Optiarc AD-7170S	Optiarc AD-7170S	SATA Slimline	48x/40x, 16x, 48x, 18X, 8X DL	52	52	54	54	54						

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 EM64T	SuSE* 10 SP1 32-bit
Sony	Optiarc AD-7170S	Optiarc AD-7170S	SATA Slimline	48x/40x, 16x, 48x, 18X, 8X DL	52	52	44,52	44,52	52	44,52

4.13 DVD Drives

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T	Sun* Solaris 10 U4 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 DVD-RAM	1	1				1					
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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate EM64T	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 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	80 GB native capacity, 8 MB/s transfer rate	1	1				1				
Sony	SDX-500 V/P	SDX-500 V/P	SCSI-U2	EXT 36-150 GB 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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 10 EM64T
Belkin	F1DA108T	Omniview PRO2 Series	PS/2	8 port keyboard/mouse/video	1,52	1,52	54			1				
Raritan	MMC8	IP Reach / Master Console II	PS/2	8 port keyboard/mouse/video	1,52	1, 10, 12,14, 52	10, 12, 14,18,2 6,54	18, 26	18,26	1	10, 12, 14		30, 32	10, 12, 14

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T	Red Hat* Linux AS 5.0 UP1 32-bit	Red Hat* Linux AS 5.0 UP1 EM64T	SuSE* 10 SP1 EM64T	SuSE* 10 SP1 32-bit
Belkin	F1DA108T	Omniview PRO2 Series	PS/2	8 port keyboard/mouse/video		52	52	52	52	52
Raritan	MMC8	IP Reach / Master Console II	PS/2	8 port keyboard/mouse/video		52	52	52	52	52

4.16 Audio

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional EM64T	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	SuSE* Linux Enterprise Server 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	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional 32-bit SP2	Microsoft Windows XP* Professional EM64T SP2	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	Sun* Solaris 10 U4 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									
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	46	3, 46	26, 46	26, 46	14	14		32	
ATI	X1600 Pro	ATI X1600 (R530)	PCI Express	x16 mid-range graphics	SA	SA	SA	SA	SA	SA	SA	SA		SA	
ATI	X1900 XLX	ATI X1900XLX (R580)	PCI Express	x16 high-end desktop graphic	1	1	46	2, 46	26, 46	26, 46	26	26		32	
ATI	X1900 XTX	ATI X1900XTX (R580)	PCI Express	x16 high-end desktop graphic	SA	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	

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional 32-bit SP2	Microsoft Windows XP* Professional EM64T SP2	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	Sun* Solaris 10 U4 08/07
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	
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 Express video with daul monitor support		14	41, 46	14, 46	26, 46	26, 46	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	46,54	2,38,41, 46,54	26, 46, 54	26, 46,54				32	34
nVidia	nVidia	FX-560	PCI Express	PCI Express video with daul monitor support		26	46,53	26,46,53	26, 46,53	26, 46,53	26			32	34

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2003* R2	Microsoft Windows Server 2003* EM64T R2	Microsoft Windows XP* Professional 32-bit SP2	Microsoft Windows XP* Professional EM64T SP2	Microsoft Windows XP* Professional EM64T SP2	Microsoft Windows Vista* Ultimate	Microsoft Windows Vista* Ultimate 64-bit	Red Hat* Linux AS 4.0 U2 EM64T	Red Hat* Linux AS 4.0 U4 EM64T	Red Hat* Linux AS 5.0 32-bit	Red Hat* Linux AS 5.0 EM64T	Sun* Solaris 10 U4 08/07
nVidia	Quadro FX 1400	Quadro FX 1400	PCI Express	x16 workstation graphics	SA	SA										
Nvidia	Quadro FX1700	FX1700	PCI Express	X16 workstation graphics												43
PNY	VCQFX1400-PCIE-PB	Quadro FX 1400	PCI Express	x16 workstation graphics	1	1										
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			

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T
ATI	RADEON 7000	Radeon 7000	PCI-32/33	PCI video with single monitor support		47
ATI	X1600 XT	ATI X1600 (R530)	PCI Express	x16 mid-range graphics		47
ATI	X1600 Pro	ATI X1600 (R530)	PCI Express	x16 mid-range graphics		SA
ATI	X1950PRO	ATI Radeon X1950PRO 256 MB	PCI Express	x16 high-end desktop graphics		47

Manufacturer	Model Name	Model Number	Interface	Comments	Microsoft Windows Server 2008* 32bit	Microsoft Windows Server 2008* EM64T
Maxtrox	G550	G550	PCI Express	PCI Express video with daul monitor support		47
nVidia	GeForce PCX 7900 GT	nVidia GeForce 7900	PCI Express	x16 high-end desktop graphic	54	47,54

5.   Hard Disk Drives

Validated hard disk drives for the Intel® Server Boards S5000PSL/S5000XSL, Intel® Workstation Board S5000XVN, and Intel® 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

6.1   List of currently unsupported features for S5000PSLSATAR and S5000XVNSASR in Solaris 10 U4 08/07

Issue: This release of Sun* Solaris 10 includes basic support for chipset features. Many
                advanced features are not working. These features include:

- ACPI (Advanced Configuration and Power Interface) sleep states
- Enhanced Intel® SpeedStep Technology(EIST) Processor Throttling
- Virtualization Technology(VT) extensions
- I/OAT (Input/Output Acceleration Technology)

Implication: These features are not currently supported under Sun Solaris.

Guideline: System stability is not impacted; however, these features are not supported.

Status: Intel is currently working with Sun to include support for these features in an
                upcoming release of Sun Solaris.

6.2   Solaris 10 U4 (08/07) Requires Kernel Patch in order for E54xx and E52xx devices to function properly

Issue: The Sun Solaris 10 U4 kernel will not boot into 64-bit mode with any E54xx and
                E52xx processors installed.

Guideline: After install, reboot into 32-bit mode and install the kernel patch. Follow the
                instructions listed at the following website in order to accomplish this.
                http://sunsolve.sun.com/search/document.do?assetkey=1-21-127112-11-1

Status: This issue was resolved in Solaris 10 U5 (05/08).

6.3   Drivers for Solaris 10 U4 (08/07)

Device	Description
Chipset	Operating System embedded
AHCI	Operating System embedded
NIC (Intel® 82563EB)	Operating System embedded
SAS (LSI* 1064e)	Operating System embedded
Video (ATI* ES1000)	Operating System embedded
Audio (RealTek*)	Not currently supported under Sun Solaris

TPM   Not supported under Sun Solaris.

Intel® RAID Adapter   Driver is available from:
SROMBSAS18E   http://www.intel.com/support/motherboards/server/s5000psl/index.htm

Intel® Hot Swap Hard   No driver required under Sun Solaris.
Drive back plane

6.4 Installing Red Hat* Enterprise Linux (RHEL) 5 (or RHEL5 Update 1) on RAID with onboard SATA (ESB2) Controller

Issue: Customer may find that Red Hat* 5.1 cannot be installed on S5000PSL under ESRTII SATA RAID1.

Implication: There will be updated release notes for the installation of the ESRTII RAID driver.

Guideline: Customer can perform the following steps to successfully install RHEL5 with an onboard SATA Controller:

1. Create a RAID array using the Intel(R) Embedded Server RAID Technology II RAID BIOS Console.
2. Connect a USB floppy drive and insert a floppy disk with RAID driver.
3. Boot your system using RHEL5.0 DVD.
4. At the boot prompt, type
   `linux dd noprobe=ata1 noprobe=ata2 noprobe=ata3 noprobe=ata4.`
   A page showing "loading usb-storage driver" displays and then asks, "Do you have a driver disk?".
5. Choose "Yes".
   It asks you to choose a driver disk.
6. Choose "sda" for the USB floppy disk and click OK to continue.
   The message "Reading driver disk" displays. After it finishes, it asks, "Do you wish to load any more driver disks?".
7. If you do not have any more driver disks to load, choose "No".
8. (If XEN mode feature is needed, the Operating System installation KEY is required and then the XEN software package needs to be loaded). Continue with the RHEL automatic installation.
   In the page where you select the drives to be used for installation, you will only see one disk (Intel MegaSR). This means that the raid is recognized.
   At the last step of the installation (after all the packages are installed), RHEL5 prompts you to reboot. Do NOT click the Reboot button.
9. Press Ctr+Alt+F2 to go to the text console prompt.
10. Type "`cat /proc/partitions`".
    Some information about the partition displays including several rows, with one row for sdb. It displays as follows:
    ```
    major       minor       #blocks       name
    8           16          1440          sdb
    ```
11. Type "`mknod /dev/sdb b 8 16`" (8 and 16 are copied from the major and minor numbers in step 10).
12. Type "`mkdir /temp`".

13. Type "`mount /dev/sdb /temp`".

14. Type "`ls /temp`"
All the driver files are now in /temp.

15. Type "`cd temp`" to go to /temp directory.

16. Type "`./replace_ahci.sh`" to execute the file.
This removes ahci from /etc/modprobe.conf and blacklists ahci in
/etc/modprobe.d/blacklist.

17. Go back to the graphic screen and reboot the system in order to finish the
installation.

Status: ESRTII driver ver. 10.21.0507.2008 now has the updated release notes.

6.5   Recommend to install following RAID Controllers in PCI Slot other than Slot 4

Issue: Intel® RAID Controllers SRCSASJV, SRCSASRB, SRCSATAWB, SRCSASBB8I
and SRCSASLS4I may fail to activate RAID BIOS Console by Ctrl+G after they
are installed into PCI Slot 4 on the Intel® Server Boards S5000PSL, S5000XSL,
S5000VSA, or Intel® Workstation Board S5000XVN.

Guideline: Install the RAID controller in a different PCI Express Slot.

Status: This issue was resolved with BIOS R0094.