Intel® RAID Controller SRCS16

Tested Hardware and Operating System List

Revision 6.1

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Enterprise Platforms and Services Division – Marketing

Revision History

Date	Revision Number	Modifications
08/10/04	1.0	Initial Release
10/30/04	2.0	Update with latest Firmware and Test information
10/25/05	3.0	Update with latest Firmware and Test information
03/25/06	4.0	Update with latest Firmware and Test information
09/12/06	5.0	Update with latest Firmware and Test information
06/21/07	6.0	Update with latest Firmware and Test information
12/20/07	6.1	Update with latest Test information

Disclaimers

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1.   Introduction

This document is intended to provide users of the Intel® RAID Controller SRCS16 with a guide to the operating systems, server boards, chassis, disk drives, and other peripherals supported with this RAID controller.

This document will be updated as additional testing is performed, or until the Intel® RAID Controller SRCS16 is no longer in production. Each new release of the document will also include the information from previous releases.

Intel will provide support for this RAID controller only when it is installed in a system configured with the specified server boards, and when the server board is configured with the tested RAID firmware, system BIOS / firmware, and operating system versions.

Thorough testing has been performed on the RAID controller with the server boards, Intel® drive enclosures, and the third party devices listed in this document. However, it is not practical to test the RAID controller in every possible combination of server board, drive enclosure, hard drive, and peripheral device. Sample combinations have been tested to gain confidence in their compatibility, and the devices listed were tested in one or more configuration.

1.1   Test Overview

Testing performed on the Intel® RAID Controller SRCS16 is classified under two categories:

- Compatibility Testing
- Stress Testing

1.1.1   Basic Installation Testing

Basic compatibility testing is performed with each supported operating system. Basic compatibility testing validates that the RAID controller can be used to install the operating system and that the base hardware feature set is functional. A small set of peripheral devices are used for installation purposes only. No additional add-in cards are tested. Testing may include network connectivity and running proprietary and industry standard test suites.

Note: *The latest version of an operating system signifies the latest supported version at the time of testing. Each new release of this document may have a newly supported release of a given operating system. Previous releases of a supported operating system may not be tested beyond the basic compatibility test process.*

1.1.1.1 Support Commitment for Basic Installation Testing

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

- Intel will provide tested operating system drivers for each of the integrated controllers on the server board, as long as the controller vendor has a driver. Vendors are not required by Intel to develop drivers for operating systems that they do not already support. This may limit the functionality of certain server board integrated controllers.

- Intel will provide support to customers who experiences issues with the integrated controllers due to the installation or functionality of an operating if a driver is available.

- Intel does not provide support for issues related to the use of add-in adapters or peripheral installed in the server system with an operating system that received only basic installation testing.

- Support is defined as helping a customer to root cause an issue and determining an acceptable resolution to the operating system problem. The resolution may include, but is not limited to, onboard controller driver updates, engaging the vendor, BIOS changes, firmware changes, or determining an acceptable workaround for the issue with the customer.

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 the validation run. The Adapter / Peripheral Compatibility and Stress testing process consists of three areas.

- **Base Platform**: A given operating system can successfully be installed on each base platform, disk stress tests are run successfully, and network stress tests are run successfully.

- **Adapter Compatibility**: Adapter compatibility validation (CV) testing uses test suites to gain an accurate view of how the server performs with a variety of adapters under the primary supported operating systems. These tests check hardware compatibility between the cards and the server platform and include functional testing only. CV testing does not include heavy stressing of the systems or the cards.

- **Stress Testing**: This test sequence uses configurations with add-in adapters installed in all available slots (depending on the chassis used), and runs for a minimum of 72 hours without errors. Each configuration passes an installation test, a network / disk stress test, and tape backup test. Any fatal errors require a restart of the test.

1.1.2.1 Support Commitment for Adapter / Peripheral Compatibility and Stress Testing

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

- Intel will provide support to customer who experience issues with tested operating systems if they involve the installation or functionality of the server board with or without the tested adapters and peripherals listed in this document.
- Support is defined as helping a customer to root cause an issue and determining an acceptable resolution to the problem. The resolution may include, but is not limited to, on-board controller driver updates, engaging the vendor, BIOS changes, firmware changes, or determining a workaround for the issue.
- Intel provides and tests operating system drivers for each on-board video, network, and storage controller.
- Intel enables vendors to provide driver support for add-in adapters using these operating systems.
- Intel performs steps to achieve certification to ensure customers encounter problems. The actual certification is the responsibility of the customer.

Note: *Intel does not provide a support commitment for operating systems, adapter cards, or peripheral devices not listed in this document. Intel will consider requests for support pm a case-by-case basis.*

1.2 Pass/Fail Test Criteria

For each operating system, adapter, and peripheral configuration, a test passes when specific criteria are met. Specific configurations with particular characteristics will be addressed on a case-by-case basis. In general, a configuration passes testing if the following conditions are met.

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

2. Intel® RAID Controller SRCS16 Firmware Configurations

The following table lists the controller and firmware configurations tested. This document will be updated with additional configurations when new revisions of the RAID controller or firmware versions are released. Each configuration is assigned an identifier number that is referenced in the tables throughout this document.

Note: *Intel only supports the adapters and peripherals in the specified adapter configuration with the tested operating systems version.*

Base System Identifier #	Product Code	TA Number	Firmware Revision
1	SRCS16	C61795-001	Ver. 713H
2	SRCS16	C61759-001	Ver. 713N
3	SRCS16		Ver. 713Q
4	SRCS16		Ver. 713R
5	SRCS16		Ver. 713S

3.   Operating Systems

The following table provides a list of the supported operating systems for the Intel® RAID Controller SRCS16. Each operating system is tested for compatibility with the Intel® RAID Controller SRCS16 configuration listed in Section 2. Operating systems are supported only with the specified base system configuration(s) they were tested with.

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

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

Note: The operating systems listed below have been tested for compatibility with the Intel® RAID Controller SRCS16, but the operating system and driver may not have been tested for compatibility with the server board you have selected. Refer to the supported operating system list for your server board to verify compatibility. Only currently shipping OS versions are tested with the controller firmware and driver versions. Older OS versions may not have been tested with current firmware and drivers.

ID#	Operating System	Base System Configuration Tested and Type of Testing	Notes
1	Microsoft Windows 2003*, Service Pack 1	Configuration 1, 2, 3, 4 – Compatibility and Stress	
2	Microsoft Windows Server 2003* Small Business Server	Configuration 1, 2 – Basic Installation	Application portion of the package was not tested and is not supported
3	Microsoft Windows 2000 Advanced Server*, Service Pack 5	Configuration 1, 2, 3, 4 – Compatibility and Stress	
4	Microsoft Windows Small Business Server 2000*	Configuration 1, 2 - Basic Installation	Application portion of the package was not tested and is not supported
5	Microsoft Windows XP*, SP2	Configuration 1, 2, 3, 4 – Compatibility and Stress	
6	Novell NetWare* 5.1, SP8	Configuration 1 – Basic Installation	
7	Novell Netware* 6.0, SP5	Configuration 1 – Basic Installation	
8	Novell NetWare* 6.5, SP3	Configuration 1, 2, 3, 4 – Compatibility and Stress	
9	SCO Open Server* 5.0.7	Configuration 1, 2 – Basic Installation	
10	SCO UnixWare* 7.1.3	Configuration 1 – Compatibility and Stress	
11	SCO UnixWare* 7.1.4	Configuration 2 – Compatibility and Stress	

ID#	Operating System	Base System Configuration Tested and Type of Testing	Notes
12	Red Hat* Enterprise Linux AS 3.0, U4	Configuration 1 – Compatibility and Stress	
13	Red Hat* Enterprise Linux AS 3.0, U5	Configuration 2, 3 – Compatibility and Stress	
14	Red Hat* Enterprise Linux AS 4.0	Configuration 1, 2, 3 – Compatibility and Stress	
15	SuSE* Linux Enterprise Server 9.0, SP1	Configuration 1, 2, 3 – Compatibility and Stress	
16	SuSE* Linux Professional 9.1	Configuration 1, 2 – Basic Installation	
17	SuSE* Linux Professional 9.2	Configuration 1, 2 – Basic Installation	
18	Red Hat* Linux Professional 8.0	Configuration 1 – Basic Installation	
19	Red Hat* Linux Professional 9.0	Configuration 2 – Basic Installation	
20	SuSE* Linux Enterprise Server 8.0, SP3	Configuration 1 – Basic Installation	
21	SuSE Linux Professional 9.0	Configuration 2 – Basic Installation	
22	Microsoft Windows 2003*, EM64T	Configuration 1, 2, 3 – Compatibility and Stress	
23	Red Hat* Enterprise Linux AS 3.0, EM64T, U4	Configuration 2 – Compatibility and Stress	
24	Red Hat* Enterprise Linux AS 3.0, EM64T, U5	Configuration 2, 3 – Basic Installation	
25	Red Hat* Enterprise Linux AS 4.0, EM64T	Configuration 2, 3 – Compatibility and Stress	
26	SuSE* Linux Enterprise Server 9.0, EM64T SP1	Configuration 2, 3 – Compatibility and Stress	
27	Microsoft Windows XP*, EM64T	Configuration 1, 2, 3, 4 – Basic Installation	
28	SuSE* Linux Enterprise Server 9.1, EM64T	Configuration 1, 2, 3 – Basic Installation	
29	Red Hat* Enterprise Linux AS 3.0, U6	Configuration 3 – Compatibility and Stress	
30	Red Hat* Enterprise Linux AS 4.0, U1	Configuration 3 – Compatibility and Stress	
31	Red Hat* Enterprise Linux AS 4.0, U2	Configuration 3, 4 – Compatibility and Stress	
32	Red Hat* Enterprise Linux AS 3.0, EM64T, U6	Configuration 3 – Compatibility and Stress	
33	Red Hat* Enterprise Linux AS 4.0, EM64T, U1	Configuration 3 – Compatibility and Stress	
34	Red Hat* Enterprise Linux AS 4.0, EM64T, U2	Configuration 3, 4 – Compatibility and Stress	
35	SuSE* Linux Enterprise Server 9.0, SP3	Configuration 4 – Compatibility and Stress	

ID#	Operating System	Base System Configuration Tested and Type of Testing	Notes
36	SuSE* Linux Enterprise Server 9.0, EM64T SP3	Configuration 4 – Compatibility and Stress	

3.1   Operating System Certifications

The operating systems certified with the Intel® RAID Controller SRCS16 are listed below. Each 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 the testing complted by Intel. See the "Comments" column in the table below for additional information. Intel's certifications, pre-certification, and operating system testing may help in achieving customer certifications with the operating system vendors.

Operating System	Certification Listing	Comments
Microsoft Windows* 2003 Enterprise Server	SRCS16	OEM must request certification by Microsoft or their specific product. Search for SRCS16. http://www.microsoft.com/hwdq/hcl/search.asp http://developer.intel.com/design/servers/whql.htm
Microsoft Windows* 2000 Advanced Server	SRCS16	OEM must request certification by Microsoft for their specific product. Search for SRCS16. http://www.microsoft.com/hwdq/hcl/search.asp http://developer.intel.com/design/servers/whql.htm
Novell NetWare* 5.1 and 6.5	SRCS16	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate on their Web site. Customer can leverage the Intel certification if the product meets the operating system vendor standard. http://developer.novell.com/yes

4.   Intel® Server Boards

This following table lists the Intel® server board software versions with which the server boards were configured at the time of testing. This document is updated quarterly. See the Web site for the latest version.

4.1   32-bit Operating Systems

Intel® Server Board				Microsoft Windows 2003*	Microsoft SBS 2003*	Microsoft Windows 2000*	Microsoft SBS 2000*	Microsoft Windows XP*	Red Hat* Linux v3.0	Red Hat* Linux 9.0	Novell NetWare* v6.5	Novell NetWare* v5.1	SuSE* Professional 9.0	Red Hat* ES Linux 4.0 U2 x86_64	Microsoft Windows 2003* x64	Microsoft Windows XP* x64	SuSE* EL 9.0 SP3	SuSE* EL 9.0 SP3 x86_64
SE7501BR2				X	X	X	X		X	X	X	X	X					
BIOS	**BMC**	**FRU/SDR**	**HSC**															
P20	1.19	5.6.J	.11															
SE7320SP2				X	X	X	X	X	X		X	X	X		X	X		
BIOS	**BMC**	**FRU/SDR**	**HSC**															
P05	2.40	1.20	1.12															
SE7525GP2				X	X	X	X	X		X		X			X	X		
BIOS	**BMC**	**FRU/SDR**	**HSC**															
P05	2.40	1.20	1.12															
SE7210TP1-E				X	X	X	X	X			X	X			X	X		
BIOS	**BMC**	**FRU/SDR**	**HSC**															
P06	N/A	5.8.D	N/A															
SE7520BD2				X	X	X	X		X	X	X		X		X			
BIOS	**BMC**	**FRU/SDR**	**HSC**															
P3.1	N/A	6.4.1	1.12															

Intel® Server Board	Microsoft Windows 2003*	Microsoft SBS 2003*	Microsoft Windows 2000*	Microsoft SBS 2000*	Microsoft Windows XP*	Red Hat* Linux v3.0	Red Hat* Linux 9.0	Novell NetWare* v6.5	Novell NetWare* v5.1	SuSE* Professional 9.0	Red Hat* ES Linux 4.0 U2 x86_64	Microsoft Windows 2003* x64	Microsoft Windows XP* x64	SuSE* EL 9.0 SP3	SuSE* EL 9.0 SP3 x86_64
SE7520AF2 — BIOS P02, BMC N/A, FRU/SDR 6.4.1, HSC 1.12	X	X	X	X		X	X	X	X	X		X			
SE7320VP2 — BIOS P04, BMC 2.40, FRU/SDR 1.70, HSC N/A	X		X			X		X				X			
SE7221BK1-E — BIOS P05, BMC 2.40, FRU/SDR 1.50, HSC N/A	X		X			X					X		X		
SE7221BA1-E — BIOS P0155, BMC N/A, FRU/SDR N/A, HSC N/A	X		X			X						X			
SE7320EP2 — BIOS P01, BMC N/A, FRU/SDR N/A, HSC N/A	X		X		X	X		X			X	X	X		
SE7525RP2 — BIOS P01, BMC N/A, FRU/SDR N/A, HSC N/A	X		X		X	X		X			X	X	X		
SE7230NH1-E — BIOS 0497P, BMC N/A, FRU/SDR N/A, HSC N/A	X										X	X			

Intel® Server Board				Microsoft Windows 2003*	Microsoft SBS 2003*	Microsoft Windows 2000*	Microsoft SBS 2000*	Microsoft Windows XP*	Red Hat* Linux v3.0	Red Hat* Linux 9.0	Novell NetWare* v6.5	Novell NetWare* v5.1	SuSE* Professional 9.0	Red Hat* ES Linux 4.0 U2 x86_64	Microsoft Windows 2003* x64	Microsoft Windows XP* x64	SuSE* EL 9.0 SP3	SuSE* EL 9.0 SP3 x86_64
S3000AH				X										X	X		X	X
BIOS	BMC	FRU/SDR	HSC															
R28	N/A	N/A	N/A															
S5000VSA				X		X					X			X	X	X	X	X
BIOS	BMC	FRU/SDR	HSC															
R070	56	41	2.05															
S5000PAL/XAL				X		X					X			X	X	X	X	X
BIOS	BMC	FRU/SDR	HSC															
R070	56	41	2.02															
S5000PSL/XSL/XVN				X		X		X			X			X	X		X	X
BIOS	BMC	FRU/SDR	HSC															
R070	56	41	2.05															
SC5400RA				X		X		X			X			X	X	X	X	X
BIOS	BMC	FRU/SDR	HSC															
R057	50	31	N/A															
S5000VCL				X										X	X		X	X
BIOS	BMC	FRU/SDR	HSC															
R058	50	V09	N/A															
S3200SH / S3210SH				X												X		
BIOS	BMC	FRU/SDR	HSC															
R33	N/A	N/A	N/A															

5.   Enclosures, PCI Adapters, and Peripherals

Testing of enclosures, add-in cards, and peripherals was performed by Intel labs, by independent test labs, or by the vendor. Compatibility and stress testing was performed with the latest version of an operating system at the time of testing.

Although a large sample of configurations were tested, not all devices were tested under all operating systems, and not all possible combinations or configurations of third-party devices were tested for inter-compatibility due to the large number of possible configurations. Refer to the server board Tested Hardware and Operating System List to verify device compatibility.

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

Note: Not all adapter cards and peripherals were tested under all operating systems.

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

Note: Adapter cards are normally tested with unused add-in adapters and onboard controller expansion ROMs disabled in BIOS Setup. Intel recommends that customers disable the option ROM for add-in controllers and/or the onboard controllers when not booting from the controller or using the built in utilities.

5.1   External Storage

Note: Enclosures are list only if they were attached to the Intel® RAID Controller SRCS16.

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
None					

5.2 Internal Storage

Note: Enclosures are list only if they were attached to the Intel® RAID Controller SRCS16.

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
Intel	SC5200 / 4-port UI SATA Backplane		SATA I		1, 3, 5, 6, 7, 8, 9, 10, 11
Intel	SC5300 / 4-port and 6-port Intelligent Backplane		SATA I		1, 3, 5, 6, 7, 8, 9, 10, 11
Intel	SC5250-E / 4-port and 6-port Intelligent Backplane		SATA I		1, 3, 5, 6, 7, 8, 9, 10, 11
Intel	SC5275-E / 4-port and 6-port Intelligent Backplane		SATA I		1, 3, 5, 6, 7, 8, 9, 10, 11

5.3 CD-ROM Drives

Note: CD-ROM drives are listed only if the operating system was installed from this device.

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
Sony	CDU5211	CDU5211	IDE		1, 3, 6, 7, 8, 9, 10
Panasonic	AXXDVDFloppy	SR-8177-B	IDE		1, 3, 6, 7, 8, 9, 10

5.4 Tape Drives

Note: Tape drives are listed only if they were attached to the RAID Controller SRCS16.

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
None					

5.5 Hard Disk Controllers

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
Adaptec	ASC-39320	ASC39320	PCI-X 133		1, 3, 6, 7, 8, 9, 10
Adaptec	ASC-39160	ASC-39160	PCI-64/66		3, 5, 6, 8, 10
Emulex	LightPulse LP9402	LP9402	FC-HBA PCI 64/66		1, 3, 6, 7, 8, 9, 10
LSI Logic	LSI20160	LSI20160	PCI 64/66		1, 3, 6, 9
LSI Logic	LSI20160L	LSI20160L	PCI-64/66		1, 3, 6, 9
QLogic	QLA2200L	QLA2200L	PCI-64/66		1, 3, 6, 7, 8, 9, 10

5.6 RAID Controllers

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
Adaptec	RAID 2120S	ASR-2120S	PCI-64/66		3, 5, 6, 8, 10
Adaptec	SCSI RAID 2200S	ASR-2200S/64MB	PCI		1, 3, 6, 9
Adaptec	RAID 3410S	ASR-3410S	PCI-64/66		1, 3, 6, 9
ICP-Vortex	GDT4523RZ	GDT4523RZ	PCI-32/66		3, 5, 6, 8, 10
ICP-Vortex	GDT6523RS	GDT6523RS	PCI-32/33		3, 5, 6, 8, 10
ICP-Vortex	GDT8623RZ	GDT8623RZ	PCI-64/66		1, 3, 6, 9
ICP-Vortex	GDT8663RZ	GDT8663RZ	PCI-64/66		1, 3, 6, 9
Intel	SRCU31L	SRCU31LA	PCI-32/33		1, 3, 5, 6, 8
Intel	SRCU31	SRCU31A	PCI-64/33		1, 3, 5, 6, 8
Intel	SRCZCR	SRCZCR	PCI-64/66		1, 3, 6, 9, 10, 11
Intel	SRCU32	SRCU32U	PCI-64/66		1, 3, 6, 9, 10, 11
Intel	SRCU42L	SRCU42L	PCI-64/66		1, 3, 6, 9, 10, 11
Intel	SRCU42X	SRCU42X	PCI-X		1, 3, 5, 6, 7, 8, 9, 10, 11
Intel	SRCZCRX	SRCZCRX	PCI-X		1, 3, 5, 6, 7, 8, 9, 10, 11
Intel	SRCU42E	SRCU42E	PCI Express*		1, 3, 5, 6, 7, 8, 9, 10, 11
Intel	SRCS28X	SRCS28X	PCI-X		1, 3, 5, 6, 7, 8, 9, 10, 11

5.7 Network Interface Controllers

Manufacturer	Model Name	Model Number	Interface	Comment	Operating System Identifier
Intel	PRO/100+ S Server	PILA8470D3G1P20	PCI-32/33		3, 5, 6, 8, 10
Intel	Pro/100 S Server	PILA8470D3G1L	PCI-32/33		3, 5, 6, 8, 10
Intel	Pro/100 S Dual Port Server adapter	PILA8472D3G1P	PCI64/33		1, 3, 6, 9
Intel	PRO/1000XT Gigabit Server Adapter	PILA8490XTP20	PCI-X 133		1, 3, 6, 9
Intel	PRO/1000T	PWLA8490T	PCI-64/66		1, 3, 6, 9
Intel	Pro/1000 XT Server Adapter	PWLA8490XT	PCI-X 133		3, 5, 6, 8, 10, 11
Intel	Pro/1000 XT Server Adapter	PWLA8490XTL	PCI-X 133		3, 5, 6, 8, 10, 11
Intel	Pro/1000 MF Server Adapter	PWLA8492MF	PCI-X 133		1, 3, 6, 9
Intel	PRO/1000MT Dual Port Server Adapter	PWLA8492MT	PCI-X 133		3, 5, 6, 8, 10, 11

6.   Hard Disk Drives

Hard disk drive testing was performed by Intel labs, independent test labs, or by the hard disk drive vendor. The compatibility and stress testing is performed with the latest version of an operating system available at the time of testing. Although a large sample of configurations were tested, not all devices were tested under all operating systems, and not all possible combinations or configurations of third party devices were tested due to the large number of possible configurations. Refer to the server board Tested Hardware and Operating System List to verify that the selected device is compatible.

Note: Not all adapter cards and peripherals were tested under all operating systems.

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

Note*: Adapter cards are normally tested with unused add-in adapters and onboard controller expansion ROMs disabled in BIOS Setup. Intel recommends that customers disable the option ROM for add-in controllers and/or the onboard controllers when not booting from the controller or using the built in utilities.*

Note*: Hard disk drives are listed only if they were attached to the Intel® RAID Controller SRCS16 during testing.*

Note*: After a hot-plug drive replacement is completed the Intel® RAID Controller SRCS16 may not start a rebuild automatically with some drive models. The SRCS16 is designed for compatibility with the SATA 1.0 specification and does not support SATA 2.0 specification extensions. Some hard drives that support SATA 2.0 extensions may not be detected after a hot-plug resulting in failure for a rebuild to start automatically. This is due to a limitation of the SATA 1.0 technology upon which the Intel® RAID Controller SRCS16 is based. If a failure to rebuild occurs following a hot plug replacement of a hard drive, please reboot the server. If the replacement drive is attached to the same SRCS16 port as the original drive, rebuilding will start automatically after the server has been rebooted. The issue can be avoided by using a hot-spare drive.*

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size	Tested OS
Fujitsu		MHT2080	SATA	7200	80 GB	
Hitachi	Deskstar 7K250-120	HDS722512VLSA80	SATA	7200	120 GB	
Hitachi	Deskstar 7K250-160	HDS722516VLSA80	SATA	7200	160 GB	
Hitachi	Deskstar 7K250-250	HDS722525VLSA80	SATA	7200	250 GB	

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size	Tested OS
Hitachi	Deskstar 7K250-80	HDS722580VLSA80	SATA	7200	80 GB	
Hitachi	Deskstar 7K80	HDS728040PLA320	SATA 3.0Gb/s	7200	40 GB	
Hitachi	Deskstar 7K80	HDS728080PLA380	SATA 3.0Gb/s	7200	80 GB	
Hitachi	Deskstar 7K250	HDT722516DLA380	SATA 3.0Gb/s	7200	160 GB	
Hitachi	Deskstar 7K250	HDT722525DLA380	SATA 3.0Gb/s	7200	250 GB	
Hitachi	Deskstar 7K400	HDS724040KLSA80	SATA 1.5Gb/s	7200	400 GB	
Hitachi	Deskstar 7K500	HDS725050KLA360	SATA 3.0Gb/s	7200	500 GB	
Maxtor	DiamondMax Plus 9	6Y0120	SATA	7200	120 GB	
Maxtor	DiamondMax Plus 9	6Y060	SATA	7200	60 GB	
Maxtor	DiamondMax Plus 9	6Y080	SATA	7200	80 GB	
Maxtor	DiamondMax Plus 9	6Y0160	SATA	7200	160 GB	
Maxtor	DiamondMax Plus 9	6Y0200	SATA	7200	200 GB	
Maxtor	Maxline Pro	7H500F0	SATA 3.0Gb/s		500 GB	
Western Digital	WD Raptor	WD740GD	SATA	10000	74 GB	
Western Digital	WD Caviar	WD1600SD	SATA	7200	160 GB	
Western Digital	WD Caviar REWD Caviar R	WD2500SD	SATA	7200	250 GB	
Western Digital	WD Raptor	WD1500ADFD	SATA 1.5Gb/s	10000	150 GB	
Western Digital	WD RE2	WD5000YS	SATA 3.0Gb/s	7200	500 GB	
Western Digital	WD RE	WD3200YS	SATA 3.0Gb/s	7200	320 GB	
Seagate	NL35	ST3250823NS	SATA 1.5Gb/s	7200	250 GB	
Seagate	NL35	ST3400832NS	SATA 1.5Gb/s	7200	400 GB	
Seagate	NL35	ST3500641NS	SATA 3.0Gb/s	7200	500 GB	
Seagate	Barracuda	ST3120022AS	SATA	7200	120 GB	
Seagate	Barracuda	ST3120026AS	SATA	7200	120 GB	
Seagate	Barracuda	ST3160021AS	SATA	7200	160 GB	
Seagate	Barracuda	ST3160023AS	SATA	7200	160 GB	
Seagate	Barracuda	ST3200822AS	SATA	7200	200 GB	
Seagate	Barracuda	ST380011AS	SATA	7200	80 GB	
Seagate	Barracuda	ST380013AS	SATA	7200	80 GB	