Intel® RAID Controller SRCSATAWB

Tested Hardware and Operating System List (THOL)

Revision History

Date	Revision Number	Modifications
Sep, 2007	1.0	Initial release.
Dec, 2007	2.0	Added firmware and driver update information.
May,2008	3.0	Added firmware and driver update information and updated the Intel® Server Boards table.
July 2008	4.0	Updated Operating System and firmware information.
December, 2008	5.0	Updated the following: • Operating System information • Firmware information • Intel® Server Boards table • Internal Storage • Hard Disk Drive
March, 2009	6.0	Updated the following: • Operating System information • Firmware information • Intel® Server Boards table • Hard Disk Drives and Solid State Drives
April, 2009	7.0	Updated the following: • Intel® Server Boards table • Internal Storage
July, 2009	8.0	Updated the following: • Firmware Configurations • Operating System information • Intel® Server Boards table • Enclosures, PCI Adapters, and Peripherals • Hard Disk Drives and Solid State Drives
October, 2009	9.0	Updated the following: • Firmware Configurations • Intel® Server Boards table • Hard Disk Drives and Solid State Drives
March, 2010	10.0	Updated the following: • Firmware Configurations • Intel® Server Boards table • Hard Disk Drives and Solid State Drives
July, 2010	11.0	Updated the following: • Intel® Server Boards table • Hard Disk Drives and Solid State Drives
August, 2011	12.0	Updated the following: • Firmware Configurations • Hard Disk Drives and Solid State Drives

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1.   Introduction

This document provides users of the Intel® RAID Controller SRCSATAWB with a guide to the operating systems, server boards, chassis, disk drives, and other peripherals that Intel tested for use with this RAID controller.

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

Intel only supports this RAID controller 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.

This RAID controller has been thoroughly tested with the Intel® Server Boards, Intel® drive enclosures, and the third-party devices listed in this document. However, it is not practical to test the RAID controller with 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 every device listed has been tested in one or more configurations.

1.1   Test Overview

Testing performed on the Intel® RAID Controller SRCSATAWB is classified under two categories: Compatibility Testing and Stress Testing.

1.1.1   Compatibility Testing

Compatibility testing is performed with each supported operating system. Basic installation 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 peripherals are used for installation purposes only. Additional add-in cards are not tested.

Note: The latest version of an operating system signifies the latest supported version at the time of testing. New releases of this document may include 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 provide the following level of customer support for operating systems that receive only basic installation testing:

- Intel will provide and test operating system drivers for each of the server board's integrated controllers, provided that the controller vendor has a driver available upon request. Intel does not require vendors 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 experience issues with the integrated controllers due to the installation or functionality of an operating system if a driver is available.

- Intel will not provide support for issues related to use of any add-in adapters or peripherals installed in the server system when an operating system that received basic installation testing only is in use.

- Support is defined as assistance provided to a customer 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 available at the time of testing. The Adapter / Peripheral Compatibility and Stress testing process consists of three areas:

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

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

- **Stress Testing**: This test sequence uses configurations that include add-in adapters in all available slots (depending on the 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 will provide the following level of customer support for operating systems that receive Adapter / Peripheral Compatibility and Stress testing:

- Intel supports customer issues with these operating systems involving installation and/or functionality of the server board with or without the adapters and peripherals listed in this document as having been tested under the operating system.

- Support is defined as assistance provided to a customer in root causing issues, and determining a customer acceptable resolution to the issue associated with the operating system. The resolution may include, but is not limited to, on-board controller driver changes, engaging the vendor for resolution, BIOS changes, firmware changes, or determining a customer acceptable workaround for the issue.

- Intel will provide and test operating system drivers for each on-board video, network, and storage controller.

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

- Intel will go through some of the steps to achieve certification to ensure its customers do not run across any problems, but the actual certification is the responsibility of the individual customer.

Note: Intel does not provide a support commitment for operating systems, adapter cards, and peripherals not listed in this document. Intel will consider these support requests individually.

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.
    - The 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 the client to the server and back match the original without error.
    - Clients remain connected to the server system.
    - Industry-standard test suites run to completion without error.

2.   Firmware Configurations

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

Intel will only provide support for adapters and peripherals under the specified adapter configuration and operating system versions with which they were tested.

Base System Identifier #	Product Code	Part Number	Firmware Revision
1			Ver.1.11.02-0296
2			Ver.1.11.42-0312
3			Ver.1.12.42-0352
4			Ver.1.12.132-0420
5			Ver.1.12.172-0470
6	SRCSATAWB	892456	Ver.1.20.52-0537
7			Ver.1.40.32-0580
8			Ver.1.40.52-0629
9			Ver. 1.40.62-0665
10			Ver. 1.40.92-0746
11			Ver. 1.40.232-1007

3.   Operating Systems

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

The following table also indicates whether each operating system received Basic Installation Testing, or Adapter / Peripheral Compatibility and Stress Testing. For information on the support commitments for Basic Installation Testing and Adapter / Peripheral Compatibility and Stress Testing, see Chapter 1.

Any variations to the standard operating system installation process are documented in the Installation Guidelines section of this document. If the installation guidelines are not 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 in the following table have been tested for compatibility with the Intel® RAID Controller SRCSATAWB, but the operating system and its associated driver may not have been tested for compatibility with the server board you have selected. See the supported operating system list for your server board to verify operating system support compatibility with the server board. This document lists testing performed on Intel® Server Boards only.

Ident#	Operating System	Base System Configuration Tested – Type of Testing	Notes
1	Microsoft Windows 2003* Service Pack 2	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
2	Microsoft Windows 2003* Service Pack 2, x64	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
3	Microsoft Windows Vista*	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
4	Microsoft Windows Vista*, x64	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
5	Microsoft Windows Server 2003 Small Business Server*	Configuration 1 – Basic Installation	Application portion of the package was not tested and is not supported.
6	Microsoft Windows 2000* Advanced Server Service Pack 5	Configuration 1 – Basic Installation	
7	Microsoft Windows Small Business Server 2000*	Configuration 1 - Basic Installation	Application portion of the package was not tested and is not supported.
8	Microsoft Windows XP* Service Pack 2	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Basic Installation	
9	Microsoft Windows XP* Service Pack 2, x64	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Basic Installation	
10	Novell NetWare* 6.5 SP3	Configuration 1, 2 – Basic Installation	

Ident#	Operating System	Base System Configuration Tested – Type of Testing	Notes
11	Red Hat* Enterprise Linux ES 4.0 U7	Configuration 1 – Compatibility and Stress	
12	Red Hat* Enterprise Linux ES 4.0 U7, x86_64	Configuration 1 – Compatibility and Stress	
13	Red Hat* Enterprise Linux ES 5.0 U5	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
14	Red Hat* Enterprise Linux ES 5.0 U5, x86_64	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
15	SuSE* Linux Enterprise Server 9.0 SP4	Configuration 1 – Compatibility and Stress	
16	SuSE* Linux Enterprise Server 9.0 SP4, x86_64	Configuration 1 – Compatibility and Stress	
17	SuSE* Linux Enterprise Server 10.0 SP3	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
18	SuSE* Linux Enterprise Server 10.0 SP3, x86_64	Configuration 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
19	Sun Solaris* 10	Configuration 3, 4, 5, 6, 7, 8, 9,10,11 – Basic Installation	
20	Sun Solaris* 10, x86_64	Configuration 3, 4, 5, 6, 7, 8, 9,10,11 – Basic Installation	
21	Microsoft Windows 2008*	Configuration 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
22	Microsoft Windows 2008*, x64	Configuration 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
23	SuSE* Linux Enterprise Server 11 SP1	Configuration 8, 9,10,11 – Compatibility and Stress	
24	SuSE* Linux Enterprise Server 11 SP1, x86_64	Configuration 8, 9,10,11 – Compatibility and Stress	
25	VMWare* ESX 3i	Configuration 8, 9,10,11 – Compatibility and Stress	
26	Microsoft Windows 7*	Configuration 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	
27	Microsoft Windows 7*, x64	Configuration 5, 6, 7, 8, 9,10,11 – Compatibility and Stress	

3.1   Operating System Certifications

The following table lists the operating systems that Intel will certify with the Intel® RAID Controller SRCSATAWB. 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. Intel's certifications, pre-certification, and operating system testing may help reduce some of the risk in achieving customer certifications with the operating system vendors.

Operating System	Certification Listing	Comments

Microsoft Windows 2003* Enterprise Server	Intel® RAID Controller SRCSATAWB	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx
Microsoft Windows 2008* Enterprise Server	Intel® RAID Controller SRCSATAWB	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx
Microsoft Windows 7* Enterprise Server	Intel® RAID Controller SRCSATAWB	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx

4.   Intel® Server Boards

This list includes the Intel® Server Board software versions with which the server boards were configured at the time of testing.

Intel® Server Board	BIOS	BMC	FRU/SDR	HSC
SE8500HW4	P0012	56	39	1.06
S3000AH	R0053	N/A	N/A	N/A
S5000PSL / S5000XSL / S5000XVN[1]	R0099	66	48	2.14
S5000PAL / S5000XAL	R0099	66	48	2.15
S7000FC4UR	R0031	22	18	2.09
S3200SH / S3210SH	R0051	39	14	N/A
S5400SF	R0032	11	11	2.09
S5000VSA	R0098	65	43	2.14
S5000VCL / SR1530HCL	R0098	64	18	N/A
X38ML	R0049	15	1.06	N/A
S5520UR	R0058	R0057	26	2.17
S5500BC	R0058	R0057	26	2.18
S5520HC / S5500HCV / S5520SC	R0058	R0057	30	2.18
S3420GP	R0049	R0124	20	N/A

Note: The Intel® RAID BIOS Console will not load by pressing <Ctrl> + <G> when the Intel® RAID controller is installed into PCI Slot #4 on the Intel® Server Board S5000PSL.

5.   Enclosures, PCI Adapters, and Peripherals

The testing of enclosures, add-in cards, and peripherals was performed on the Intel® RAID Controller SRCSATAWB by Intel Labs, independent test labs, or the vendor. 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, due to the large number of possible configurations, 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. To verify compatibility, use the Server Configurator Tool available at:
http://serverconfigurator.intel.com/default.aspx.

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

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

Any variations to the standard adapter installation process or to expected adapter functionality are documented in the 'Installation Guidelines' section of this document. If there are installation guidelines affecting a particular adapter and operating system combination, these are referenced in the following table. If the installation guidelines are not noted in the following table, then the adapter installed and functioned as expected using the manufacturer's installation instructions or Intel's best-known methods.

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

5.1   External Storage

None.

5.2   Internal Storage

Note: The enclosures are listed only if they were attached to the Intel® RAID Controller SRCSATAWB at the time of testing. There is no out-of-band enclosure management for a second backplane. The only way to get enclosure management with two backplanes is to use at least one expander backplane together with the Intel® RAID Controller SRCSATAWB.

Manufacturer	Model Name	Model Number	Interface	Comment
Intel	Intel® Backplane AXX6DRV3GEXP	AXX6DRV3GEXP	SAS/SATA	
Intel	Intel® Backplane AXX6DRV3G	AXX6DRV3G	SAS/SATA	
Intel	Intel® Backplane AXX6DRV3GR	AXX6DRV3GR	SAS/SATA	
Intel	Intel® Backplane AXX4DRV3GEXP	AXX4DRV3GEXP	SAS/SATA	
Intel	Intel® Backplane AXX4DRV3G	AXX4DRV3G	SAS/SATA	
Intel	Intel® Backplane AXX4DRV3GR	AXX4DRV3GR	SAS/SATA	
Dell	Pompano* PowerVault ESA		SAS/SATA	
Nstor	824R101A		SAS/SATA	
Nstor	824R101D		SAS/SATA	
Intel	Intel® Backplane FSR1550SAS	FSR1550SAS	SAS/SATA	Only works with Intel® Passive Midplane FALPASMP
Intel	Intel® Backplane FSR2500SASBP	FSR2500SASBP	SAS/SATA	Only works with Intel® Passive Midplane FALPASMP
Intel	Intel® Backplane ASR1500PASBP	ASR1500PASBP	SAS/SATA	

6. Hard Disk Drives and Solid State Drives

Hard disk drive and Solid State Drive testing was performed on the Intel® RAID Controller SRCSATAWB by Intel Labs, by independent test labs, or by the vendor. The Intel® RAID Controller SRCSATAWB 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 was tested, due to the large number of possible configurations, 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. To verify that the device is included for the server board as well as for the Intel® Integrated RAID Module SRCSATAWB, use the Server Configurator tool available at: http://serverconfigurator.intel.com/default.aspx.

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

Any variations to the standard adapter installation process or to expected adapter functionality are documented in the 'Installation Guidelines' section of this document. If there are installation guidelines affecting a particular adapter and operating system combination, these are referenced in the following table. If the installation guidelines are not noted in the following table, then the adapter installed and functioned as expected using the manufacturer's installation instructions or Intel's best-known methods.

6.1 Hard Disk Drives and Solid State Drives (SSD)

Note: Hard disk drives and Solid State Drives are listed only if they were attached to the Intel® RAID Controller SRCSATAWB during testing.

Note: To select hard drives for Intel® Server Chassis and Intel® Server System, please use the Server Configurator tool available at:
http://serverconfigurator.intel.com/default.aspx.

Solid State Drive list:

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size
Intel		SSDSA2BW160G3	SATA 3.0 Gb	N/A	160GB
Intel		SSDSA2MH080G2GC	SATA 3.0 Gb	N/A	80GB
Intel		SSDSA2MH160G2GC	SATA 3.0 Gb	N/A	160GB
Intel	X25-E SLC SSD	SSDSA2SH064G1	SATA 3.0 Gb	N/A	64GB
Intel	X25-E SLC SSD	SSDSA2SH032G1	SATA 3.0 Gb	N/A	32GB
Intel	X25-M MLCSSD	SSDSA2MH160G1	SATA 3.0 Gb	N/A	160GB
Intel	X25-M MLCSSD	SSDSA2MH080G1	SATA 3.0 Gb	N/A	80GB
Samsung	SLCSSD	MCCOE50G5MPQ-0VA	SATA 3.0 Gb	N/A	50GB
Samsung	SS800 SLC SSD	MCCOE1HG5MXP-0VB	SATA 3.0 Gb	N/A	100GB
Samsung	SLCSSD	MCBQE25G5MPQ-0VA	SATA 3.0 Gb	N/A	25GB
Samsung	SS805 SLC SSD	MCB4E50G5MXP-0VB	SATA 3.0 Gb	N/A	50GB
STEC	MACH8IOPS	M8ISB2-50UC	SATA 1.5 Gb	N/A	50GB
STEC	MACH8IOPS	M8ISB2-25UC	SATA 1.5 Gb	N/A	25GB
ADATA		AS599S-100GM-C	SATA 3.0 Gb	N/A	80GB

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size
ADATA		AS599S-128GM-C	SATA 3.0 Gb	N/A	128GB
ADATA		AS599S-256GM-C	SATA 3.0 Gb	N/A	256GB
SORSAIR		CMFSSD-64D1	SATA 3.0 Gb	N/A	64GB

Hard disk drive list:

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size
Fujitsu	MJA2 BH	MJA2400BH	SATA 3.0 Gb	5400	400GB
Fujitsu	MJA2 BH	MJA2320BH	SATA 3.0 Gb	5400	320GB
Fujitsu	MHZ2 BJ	MHZ2320BJ	SATA 3.0 Gb	5400	320GB
Fujitsu	MHZ2 BJ	MHZ2250BJ	SATA 3.0 Gb	5400	250GB
Fujitsu	MHZ2 BJ	MHZ2160BJ	SATA 3.0 Gb	5400	160GB
Fujitsu	MHZ2 BJ	MHZ2120BJ	SATA 3.0 Gb	5400	120GB
Fujitsu	MHZ2 BJ	MHZ2080BJ	SATA 3.0 Gb	5400	80GB
Fujitsu	Mercury	MHW2080B001A	SATA 3.0 Gb	7200	75GB
Fujitsu	JUNO	MHV2060B0028	SATA 3.0 Gb	7200	60GB
Hitachi	Deskstar 7K80	S728080PLA380	SATA 3.0 Gb	7200	80GB
Hitachi	Ultrastar A7K2000	HUA722020ALA330	SATA 3.0 Gb	7200	2TB
Hitachi	Ultrastar* A7K750	HUA721075KLA330	SATA 3.0 Gb	7200	750GB
Hitachi	Ultrastar* A7K500	HUA721050KLA330	SATA 3.0 Gb	7200	500GB
Hitachi	Ultrastar* A7K1000	HUA721010KLA330	SATA 3.0 Gb	7200	1000GB
Hitachi	Travelstar* S5K80	HTS542580K9A300	SATA 3.0 Gb	5400	80GB
Hitachi	Travelstar* S5K250	HTS542525K9A300	SATA 3.0 Gb	5400	250GB
Hitachi	Travelstar* S5K200	HTS542520K9A300	SATA 3.0 Gb	5400	200GB
Hitachi	Travelstar* S5K160	HTS542516K9A300	SATA 3.0 Gb	5400	160GB
Hitachi	Travelstar* S5K120	HTS542512K9A300	SATA 3.0 Gb	5400	120GB
Hitachi	Travelstar* E7K60	HTE721060G9SA00	SATA 3.0 Gb	7200	60GB
Hitachi	Travelstar* E5K500	HTE545050KTA300	SATA 3.0 Gb	5400	500GB
Hitachi	Travelstar* E5K400	HTE545040KTA300	SATA 3.0 Gb	5400	400GB
Hitachi	Deskstar* T7K250	HDT725025VLA380	SATA 3.0 Gb	7200	250GB
Hitachi	Deskstar* T7K250	HDT722525DLA380	SATA 3.0 Gb	7200	250GB
Hitachi	Deskstar* T7K160	HDT722516DLA380	SATA 3.0 Gb	7200	160GB
Hitachi	Deskstar* T7K1000	HDT721010SLA360	SATA 3.0 Gb	7200	1TB
Hitachi	Deskstar* S7K80	HDS728080PLA380	SATA 3.0 Gb	7200	80GB
Hitachi	Deskstar* S7K500	HDS725050KLA360	SATA 3.0 Gb	7200	500GB
Hitachi	Deskstar* 7K250	HDS722580VLSA80	SATA 1.5 Gb	7200	80GB
Hitachi	Deskstar* 7K250	HDS722516VLSA80	SATA 1.5 Gb	7200	160GB
Hitachi	Deskstar* 7K250	HDS722512VLSA80	SATA 1.5 Gb	7200	120GB
Hitachi	Deskstar* S7K80	HDS721680PLA380	SATA 3.0 Gb	7200	80GB
Hitachi	Deskstar* S7K150	HDS72161AB1A	SATA 3.0 Gb	7200	150GB
Hitachi	Deskstar* S7K160	HDS721616PLA380	SATA 3.0 Gb	7200	160GB
Hitachi	Deskstar* S7K1000	HDS721010KLA330	SATA 3.0 Gb	7200	1TB
Hitachi	Deskstar* S7K2000	HDS722020ALA330	SATA 3.0 Gb	7200	2TB
Hitachi	Deskstar* P7K500	HDP725050GLA360	SATA 3.0 Gb	7200	500GB

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size
Hitachi	Deskstar P7K500	HDP725032GLA360	SATA 3.0 Gb	7200	250GB
Hitachi	Deskstar* P7K250	HDP725025GLA380	SATA 3.0 Gb	7200	250GB
Hitachi	Deskstar* E7K500	HDE721050SLA330	SATA 3.0 Gb	7200	500GB
Hitachi	Deskstar* E7K1000	HDE721010SLA330	SATA 3.0 Gb	7200	1000GB
Maxtor	DiamondMax* 21	STM3160815AS	SATA 3.0 Gb	7200	160GB
Maxtor	DiamondMax* 10	7L250S0	SATA 3.0 Gb	7200	250GB
Maxtor	MaXLine Pro 500	7H500F0	SATA 3.0 Gb	7200	500GB
Maxtor	DiamondMax* 10	6V300F0	SATA 3.0 Gb	7200	300GB
Maxtor	DiamondMax* 10	6V250F0	SATA 3.0 Gb	7200	250GB
Maxtor	DiamondMax* 10	6L080M0	SATA 1.5 Gb	7200	80GB
Maxtor	DiamondMax* 10	6B300S0	SATA 3.0 Gb	7200	300GB
Maxtor	DiamondMax* 10	6B250S0	SATA 3.0 Gb	7200	250GB
Samsung	SpinPoint* P120	SP2504C	SATA 3.0 Gb	7200	250GB
Samsung	SpinPoint* P120	SP2004C	SATA 3.0 Gb	7200	200GB
Samsung	Spinpoint F1	HE103UJ	SATA 3.0 Gb	7200	1TB
Samsung	SpinPoint* P80	HD160JJ	SATA 3.0 Gb	7200	160GB
Samsung	SpinPoint* P80	HD080HJ	SATA 3.0 Gb	7200	80GB
Samsung	SpinPoint* P80SD	HD040GJ	SATA 3.0 Gb	7200	40GB
Seagate	Momentus 7200.1	ST980825AS	SATA 1.5 Gb	7200	80GB
Seagate	Constellation 7200	ST9500530NS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* 7200.6	ST380819AS	SATA 1.5 Gb	7200	80GB
Seagate	Barracuda* ES 7200.10	ST380815AS	SATA 3.0 Gb	7200	75GB
Seagate	Barracuda* 7200.9	ST380811AS	SATA 3.0 Gb	7200	80GB
Seagate	Barracuda* 7200.9	ST3808110AS	SATA 3.0 Gb	7200	75GB
Seagate	Barracuda* 7200.9	ST380810AS	SATA 3.0 Gb	7200	80GB
Seagate	Barracuda* 7200.7	ST380013AS	SATA 3.0 Gb	7200	80GB
Seagate	Barracuda* ES	ST3750840NS	SATA 3.0 Gb	7200	750GB
Seagate	Barracuda* 7200.10	ST3750840AS	SATA 3.0 Gb	7200	750GB
Seagate	Barracuda* ES 7200.10 (RoHS)	ST3750640NS	SATA 3.0 Gb	7200	750GB
Seagate	Barracuda* 7200.10	ST3750640AS	SATA 3.0 Gb	7200	750GB
Seagate	Barracuda* NL35.2	ST3500641NS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* 7200.9	ST3500641AS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* ES 7200.10 (RoHS)	ST3500631NS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* ES	ST3500630NS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* 7200.12	ST3500410AS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* ES 2	ST3500320NS	SATA 3.0 Gb	7200	500GB
Seagate	Barracuda* 7200.8	ST3400832AS	SATA 1.5 Gb	7200	400GB
Seagate	Barracuda* 7200.9	ST3250824AS	SATA 3.0 Gb	7200	250GB
Seagate	Barracuda* 7200.9	ST3250824AS	SATA 3.0 Gb	7200	250GB
Seagate	Barracuda* ES	ST3250820NS	SATA 3.0 Gb	7200	250GB
Seagate	Barracuda* ES 7200.10	ST325062J	SATA 3.0 Gb	7200	250GB

Manufacturer	Model Name	Model Number	Interface	RPM	Drive Size
Seagate	Barracuda* ES 7200.10 (RoHS)	ST3250621NS	SATA 3.0 Gb	7200	250GB
Seagate	Barracuda* ES 7200.10	ST3250620NS	SATA 3.0 Gb	7200	250GB
Seagate	Barracuda* 7200.7	ST3160827AS	SATA 3.0 Gb	7200	160GB
Seagate	Barracuda* 7200.10	ST3160815AS	SATA 3.0 Gb	7200	160GB
Seagate	Barracuda* ES2	ST31000340NS	SATA 3.0 Gb	7200	1TB
Seagate	Barracuda* 7200.11	ST31000333AS	SATA 3.0 Gb	7200	1TB
Toshiba	HDD2D60	MK1637GSX	SATA 3.0 Gb	5400	160GB
Western Digital	WD Caviar* SE	WD800JD	SATA 3.0 Gb	7200	80GB
Western Digital	WD RE2	WD7500AYYS	SATA 3.0 Gb	7200	750GB
Western Digital	WD Caviar* SE	WD7500AAKS	SATA 3.0 Gb	7200	750GB
Western Digital	WD RE3	WD5002ABYS	SATA 3.0 Gb	7200	500GB
Western Digital	WD RE2	WD5001ABYS	SATA 3.0 Gb	7200	500GB
Western Digital	WD RE2	WD5000YS	SATA 3.0 Gb	7200	500GB
Western Digital	WD Caviar* SE	WD5000KS	SATA 3.0 Gb	7200	500GB
Western Digital	WD Caviar* SE	WD5000AAKS	SATA 3.0 Gb	7200	500GB
Western Digital	WD Caviar* RE2	WD4000YR	SATA 1.5 Gb	7200	400GB
Western Digital	WD Caviar* SE	WD2500YS	SATA 3.0 Gb	7200	250GB
Western Digital	WD Caviar* SE	WD2500JS	SATA 3.0 Gb	7200	250GB
Western Digital	WD Caviar* SE	WD2500JD	SATA 1.5 Gb	7200	250GB
Western Digital	WD RE4-GP	WD2002FYPS	SATA 3.0 Gb	7200	2TB
Western Digital	WD Caviar* SE	WD2000JS	SATA 3.0 Gb	7200	200GB
Western Digital	WD RE2	WD1601ABYS	SATA 3.0 Gb	7200	500GB
Western Digital	WD Caviar*	WD1600YS	SATA 3.0 Gb	7200	160GB
Western Digital	WD Caviar* SE	WD1600JS	SATA 3.0 Gb	7200	160GB
Western Digital	WD Caviar* SE	WD1600AAJS	SATA 3.0 Gb	7200	160GB
Western Digital	WD Caviar* SE	WD1200JS	SATA 3.0 Gb	7200	120GB
Western Digital	WD Caviar* SE	WD12000S	SATA 3.0 Gb	7200	120GB
Western Digital	WD RE2-GP	WD1000FYPS	SATA 3.0 Gb	7200	1TB
Western Digital	WD RE2-GP	WD5000ABPS	SATA 3.0 Gb	7200	500GB
Western Digital	WD Caviar* RE2	WD7500AY	SATA 3.0 Gb	7200	750GB
Western Digital	WD Raptor	WD740GD	SATA 3.0 Gb	10,000	740GB
Western Digital	WD Caviar* RE2	WD500YS	SATA 3.0 Gb	7200	500GB
Western Digital	WD Caviar* SE16	WD4000YD	SATA 3.0 Gb	7200	400GB
Western Digital	WD Caviar* RE3	WD3202ABYS	SATA 3.0 Gb	7200	320GB
Western Digital	WD Veloci Raptor	WD3000HLFS	SATA 3.0 Gb	10,000	300GB
Western Digital	WD Caviar* Blue	WD1600AABS	SATA 3.0 Gb	7200	160GB
Western Digital	WD Caviar* RE3	WD1002FBYS	SATA 3.0 Gb	7200	1TB

Below is latest qualified drive list:

Type	Manufacturer	Model	FW Version	Capacity
SATA	FUJITSU	MHV2060B0000	MHV2060B0	60GB
SATA	FUJITSU	MZX3036RC	D206	36GB

Type	Manufacturer	Model	FW Version	Capacity
SATA	FUJITSU	MHW2080B	001A	75GB
SATA	FUJITSU	MHZ2320B	0009	320GB
SATA	FUJITSU	MHZ2320B	001E	320GB
SATA	FUJITSU	MJA2320B	0018	320GB
SATA	FUJITSU	MHZ2160B	011E	160GB
SATA	FUJITSU	MHZ2160B	0009	160GB
SATA	FUJITSU	MHZ2250B	0009	250GB
SATA	FUJITSU	MHZ2250B	001E	250GB
SATA	FUJITSU	MJA2400B	0018	400GB
SATA	FUJITSU	MHZ2080B	001E	80GB
SATA	FUJITSU	MHZ2120B	0109	120GB
SATA	HITACHI	HDS72202ALA360	A20N	2TB
SATA	HITACHI	HUA7220202ALA330	28A	2TB
SATA	HITACHI	HUA720010CLA330	A39C	1TB
SATA	HITACHI	HDT21010SLA360	A3AA	1TB
SATA	HITACHI	HDT722516DLA380	A80A	164GB
SATA	HITACHI	HDE72101	A31B	1TB
SATA	HITACHI	HUA72201	A25C /A39C	1TB
SATA	HITACHI	HDT722525DLA380	V440	250GB
SATA	HITACHI	HDS722512VLSA80	V330	120GB
SATA	HITACHI	HDP72502G	M20	250GB
SATA	HITACHI	HDP72502A	50E	250GB
SATA	HITACHI	HDS728080PLA380	PF20	80GB
SATA	HITACHI	HDS722516VLSA80	V340	160GB
SATA	HITACHI	HDS728080PLA380	A6EA	80GB
SATA	HITACHI	HDS722580VLSA80	A60A	750GB
SATA	HITACHI	HTE721010G9SA00	MCZ0	100GB
SATA	HITACHI	HTE721060G9SA00	MC30	60GB
SATA	HITACHI	HDS72107A70M	A70M	750GB
SATA	HITACHI	HDS728080PLA380	A69A	80GB
SATA	HITACHI	HDP72502G025	N/A	250GB
SATA	HITACHI	DS728080PLA380	P026	80GB
SATA	HITACHI	HDS724040KLSA80	KFA0	400GB
SATA	HITACHI	HDS724040KL	SA80	400GB
SATA	HITACHI	HDS72161	P220	150GB
SATA	HITACHI	HDP72502	A50E	250GB
SATA	HITACHI	HUS151473VLS300	88VVK	73GB
SATA	HITACHI	HDS721616PLA380	P220ABEA	160GB
SATA	HITACHI	HDP725050GLA360	GM40A52A	500GB
SATA	HITACHI	HDP72502A50E	N/A	250GB
SATA	HITACHI	HDS72161ABEA	N/A	160GB
SATA	HITACHI	HDP72502GM20	N/A	250GB
SATA	HITACHI	HDT722516DLA380	A80A	160GB

Type	Manufacturer	Model	FW Version	Capacity
SATA	HITACHI	HDS72168P210	N/A	80GB
SATA	HITACHI	HDS724040KLSA80	KFA0	380GB
SATA	HITACHI	HDS72168	P210	80GB
SATA	HITACHI	HDS728080PLA380	PF20	80GB
SATA	HITACHI	HDS721010KLA330	N/A	1TB
SATA	HITACHI	HDS721616PLA380	ABEA	160GB
SATA	HITACHI	HDT72502	A72A	250GB
SATA	HITACHI	HDS72161AB1A	PVD	150GB
SATA	HITACHI	HDS725050KL360	KRVN	500GB
SATA	HITACHI	HDT725025VLA380	VFA1	250GB
SATA	HITACHI	HDE721050SLA330	GM40	500GB
SATA	HITACHI	HDE721010SLA330	A31B	1TB
SATA	HITACHI	HDS722020ALA330	A20N	2TB
SATA	HITACHI	HDT721010SLA360	A3AA	1TB
SATA	MAXTOR	STM316081	3. AA	160GB
SATA	MAXTOR	7B300S0	0001	300GB
SATA	MAXTOR	STM3160	081D	160GB
SATA	MAXTOR	6B250S0	LCVH	250GB
SATA	MAXTOR	7H500F0	HA43	500GB
SATA	MAXTOR	6B300S0	V0VH	300GB
SATA	MAXTOR	6Y080M0	1EW0	80GB
SATA	MAXTOR	6V250F0	1630	240GB
SATA	MAXTOR	7L250S0	BCNE	250GB
SATA	MAXTOR	6V300F0	V116	300GB
SATA	MAXTOR	STM3160815AS	3. AAD	160GB
SATA	MAXTOR	STM3160813	AA	160GB
SATA	SAMSUNG	SP1614C	0-25	160GB
SATA	SAMSUNG	SP2504C	0-33	250GB
SATA	SAMSUNG	HD040GJ	A13845	40GB
SATA	SAMSUNG	HD040GJ	W01	40GB
SATA	SAMSUNG	SP0812C	2211	80GB
SATA	SAMSUNG	HD160JJ	A124761	160GB
SATA	SAMSUNG	HD160JJ	W01	160GB
SATA	SAMSUNG	HD080HJ	0-33	80GB
SATA	SAMSUNG	SP2504C	0-33	250GB
SATA	SAMSUNG	HE103UJ	1113	1TB
SATA	SEAGATE	ST32000644NS	SN11	2TB
SATA	SEAGATE	ST3200041AS	CC13	2TB
SATA	SEAGATE	ST9500530NS	SN02	500GB
SATA	SEAGATE	ST31000340NS	SN03, SN06, AN05	1TB
SATA	SEAGATE	ST3500641AS	A	500GB
SATA	SEAGATE	ST380811AS	3. AA	80GB

Type	Manufacturer	Model	FW Version	Capacity
SATA	SEAGATE	ST3160815AS	3AAD	160GB
SATA	SEAGATE	ST3750840NS	3. AE	750GB
SATA	SEAGATE	ST380013AS	0003	80GB
SATA	SEAGATE	ST3160023AS	0003	160GB
SATA	SEAGATE	ST3250820NS	3EA	250GB
SATA	SEAGATE	ST340014AS	0821	40GB
SATA	SEAGATE	ST3750840AS	3AAD	750GB
SATA	SEAGATE	ST3160827AS	0003	160GB
SATA	SEAGATE	ST380815AS	3AAD	80GB
SATA	SEAGATE	ST310003S30	N/A	1TB
SATA	SEAGATE	ST310003S	SN03	1TB
SATA	SEAGATE	ST3750640AS	3. AAD	750GB
SATA	SEAGATE	ST3750640NS	3. AEG	750GB
SATA	SEAGATE	ST3250620NS	3. AEE	250GB
SATA	SEAGATE	ST3250824AS	H	250GB
SATA	SEAGATE	ST380811AS	E	80GB
SATA	SEAGATE	ST3160827AS	0003	160GB
SATA	SEAGATE	ST3500641NS	N	500GB
SATA	SEAGATE	ST380817AS	0003	80GB
SATA	SEAGATE	ST3200822AS	0003	200GB
SATA	SEAGATE	ST380815AS	F	75GB
SATA	SEAGATE	ST350064INS	3PM1	500GB
SATA	SEAGATE	ST3500641AS	3PM0	500GB
SATA	SEAGATE	ST3500630NS	3 AEG	500GB
SATA	SEAGATE	ST3250620NS	3. AEE	250GB
SATA	SEAGATE	ST3750330NS	SN05	750GB
SATA	SEAGATE	ST31000340NS	SN03	1TB
SATA	TOSHIBA	MK1637GS	DL02	160GB
SATA	WD	WD2002FYPS	5G04	2TB
SATA	WD	WD2003FYYS	0D01	2TB
SATA	WD	WD1003FBYX	1S01	1TB
SATA	WD	WD5003ABYX	1V01	500GB
SATA	WD	WD2003FYYS-0	1G01	2TB
SATA	WD	WD2002FYPS-0	0C06	2TB
SATA	WD	WD10002FBYS-0	0003	1TB
SATA	WD	WD7500AYYS-0	55MU10. 0	750GB
SATA	WD	WD800JD	1C03	80GB
SATA	WD	WD2500JS	H2D0	250GB
SATA	WD	WD2500JD	8F31	250GB
SATA	WD	WD740GD	75N2E04	750GB
SATA	WD	WD1600JS	00FN35. 0	160GB
SATA	WD	WD360GD	0011	36GB
SATA	WD	WD5000AAKS	1C03	500GB

Type	Manufacturer	Model	FW Version	Capacity
SATA	WD	WD2000JS	4G30	200GB
SATA	WD	WD7500AYYS	0M06	750GB
SATA	WD	WD5000KS	2D08	500GB
SATA	WD	WD2500JD	A00	250GB
SATA	WD	WD1600AAJS	N2E04	160GB
SATA	WD	WD1600JS	0030	160GB
SATA	WD	WD7500AAKS	01P6A01	750GB
SATA	WD	WD4000YR	0010	40GB
SATA	WD	WD1600JS-55N	U1E01	160GB
SATA	WD	WD800JD-55M	6A01	80GB
SATA	WD	WD4000YR-01P	6H05	380GB
SATA	WD	WD1600AAJS-7	00M06.0	150GB
SATA	WD	WD5000KS	6K35	500GB
SATA	WD	WDC360GD	WCAN	36GB
SATA	WD	WD2500YS	0002	250GB
SATA	WD	WD500YS	1B01	500GB
SATA	WD	WD1000FYPS-01ZKB0	1B01	1TB
SATA	WD	WD5001ABYS-01YNA0	3B03	500GB
SATA	WD	WD5002ABYS-01B1B0	6G09	500GB
SATA	WD	WD4000YD-00K	3B01	400GB
SATA	WD	WD5001AALS-0013B2	3B03	500GB
SATA	WD	WD3202ABYS	0C05	320GB
SATA	WD	WD1002FBYS-01A6B0	5G04	1TB
SATA	WD	WD2002FYPS	0D01	2TB
SATA	WD	WD2003FYYS-0	0A80	2TB
SATA	WD	WD10EADS11M	4V03	1TB
SATA	WD	WD2002FYPS		2TB

7.   Installation Guidelines

7.1   Intel® RAID Controller SRCSASJV, SRCSASRB or SRCSATAWB cannot be detected after installation into a PCI Express* GEN 2 slot

Issue: Intel® RAID Controllers SRCSASJV, SRCSASRB and SRCSATAWB with a C1 stepping SAS 1078 ROC chip cannot be detected during POST after installation in a PCI Express* GEN 2 slot.

Implication: Intel® RAID Controllers SRCSASJV, SRCSASRB and SRCSATAWB with a C1 stepping SAS 1078 ROC chip cannot be installed in a PCI Express* GEN 2 slot.

Guideline: Do not install an Intel® RAID Controller SRCSASJV, SRCSASRB or SRCSATAWB with a C1 stepping SAS 1078 ROC chip into a PCI Express* GEN 2 slot.

Status: There is no fix for this issue. Instead, use an Intel® RAID Controller SRCSASJV, SRCSASRB or SRCSATAWB with a C2 Stepping SAS 1078 ROC chip for installation in a PCI Express* GEN 2 slot.