



Intel® RAID Controller RS2WC080 and RS2WC040

Tested Hardware and Operating System List (THOL)

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Enterprise Platforms and Services Division

Revision History

Date	Revision Number	Modifications
February 2009	1.0	Initial release
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1. Introduction

This document provides users of the Intel® RAID Controller RS2WC080 and RS2WC040 with a guide to the operating systems, server boards, chassis, disk drives, and other peripherals that Intel tested for use with these RAID controllers.

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

Intel will only provide support for 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 was thoroughly tested with 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 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 configurations.

1.1 Test Overview

Testing performed on the Intel® RAID Controller RS2WC080 and RS2WC040 is classified under two categories:

- Compatibility Testing
- Stress Testing

1.1.1 Basic 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 an 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, provided the controller vendor has a driver available. 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 only if a driver is available.
- Intel does not provide support for issues related to the use of add-in adapters or peripherals installed in the server system with an operating system that received only basic installation testing.
- Support is defined as assistance provided to a customer in root causing an issue and determining an acceptable resolution to the operating system problem. The resolution may include, but is not limited to, on-board 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 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 with add-in adapters installed in all available slots (depending on the chassis used), and runs for a minimum of 72 hours (three days) without injecting 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 will provide the following level of customer support for operating systems that receive Adapter / Peripheral Compatibility and Stress testing:

- Intel will provide support to customers who experience issues with tested operating systems involving the installation 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 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 will go through some of the steps to achieve certification to ensure its customers do not encounter problems. The actual certification is the responsibility of the customer.

Note: Intel does not provide a support commitment for operating systems, adapter cards, and peripherals not listed in this document. Intel will consider requests for support 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 with particular characteristics are 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 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 and firmware configurations. This document will be updated with additional configurations as new revisions of the Intel® RAID Controller RS2WC080 and RS2WC040 or firmware versions for that controller are released. Each configuration is assigned an identifier number which is referenced in the tables throughout this document.

Note: Intel only provides support for adapters and peripherals in the configuration with which they were tested.

Base System Identifier #	Product Code	Part Number	Firmware Revision
1	RS2WC080	903495	2.0.04-0767
2	RS2WC040	903496	2.0.04-0767
3	RS2WC080	903495	2.40.04-0787
4	RS2WC040	903496	2.40.04-0787
5	RS2WC080	903495	2.70.04-0862
6	RS2WC040	903496	2.70.04-0862
7	RS2WC080	903495	2.120.14-1094
8	RS2WC040	903496	2.120.14-1094

3. Operating Systems

The following table provides a list of supported operating systems for the Intel® RAID Controller RS2WC080 and RS2WC040. Each operating system was tested for compatibility with Intel® RAID Controller RS2WC080 and RS2WC040 configuration listed in Chapter 2. Operating systems are only supported in 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 RS2WC080 and RS2WC040, but the operating system and its associated 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 operating system 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
1	Microsoft Windows 2003* SP2	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
2	Microsoft Windows 2003* SP2, x64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
3	Microsoft Windows Vista*	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
4	Microsoft Windows Vista*, x64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
5	Microsoft Windows 2008*	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
6	Microsoft Windows 2008*, x64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
7	Microsoft Windows 7	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
8	Microsoft Windows 7 x64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
9	Red Hat* Enterprise Linux ES 4.0 U7	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
10	Red Hat* Enterprise Linux ES 4.0 U7, x86_64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
11	Red Hat* Enterprise Linux ES 5.0 U4	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
12	Red Hat* Enterprise Linux ES 5.0 U4, x86_64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
13	SuSE* Linux Enterprise Server 10.0 SP2	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
14	SuSE* Linux Enterprise Server 10.0 SP2, x86_64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
15	SuSE* Linux Enterprise Server 11.0	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress
16	SuSE* Linux Enterprise Server 11.0 x86_64	Configuration 1,2,3,4,5,6,7,8 – Compatibility and Stress

3.1 Operating System Certifications

The following table lists the operating systems that Intel will certify with the Intel® RAID Controller RS2WC080 and RS2WC040. Each customer is responsible for their own certification from the individual operating system vendors. In many cases, customers may leverage their operating system certifications from the testing completed by Intel. See the “Comments” column 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 RS2WC080 and RS2WC040	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 RS2WC080 and RS2WC040	OEM must request certification by Microsoft for their specific product. http://www.microsoft.com/whdc/hcl/default.mspx

4. Supported Server Boards

4.1 Intel® Server Boards

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

Intel® Server Board	BIOS	BMC	FRU/SDR	HSC
S5000PSL / S5000XSL / S5000XVN	R0101	66	48	2.14
S5000VSA	R0101	65	43	2.14
S5000PAL/S5000XAL	R0101	68	48	2.15
S5520UR	R0054	R0054	24	2.16
S5500WB	R0054	R0054	15	N/A
S5500BC	R0054	R0054	21	2.16
S5520HC / S5500HCV / S5520SC	R0054	R0054	28	2.16
S7000FC4UR	R0033	23	18	2.10
S3420GP	R0047	R0123	18	N/A
S3200SH	R0051	39	14	N/A

4.2 3rd Party Server Boards

Unless specifically noted, the boards below were configured with the latest software versions available at the time of testing. Check with the 3rd party vendors for more details.

Part Number	System BIOS	Vendor
X6DH8	6.1	Super Micro*
X8SAX	1.0a	Super Micro*
H8DCE	AMI. Ver.080012	Super Micro*
X6DHE	6	Super Micro*
X6DH8-G	6	Super Micro*
xSeries 3200	1.41	IBM*
xSeries 3200 M2	1	IBM*
xSeries 3250 M2	1	IBM*
xSeries 3350	1.37	IBM*
xSeries 3550	T22	IBM*
xSeries 3550	1.37	IBM*
xSeries 3650 M2	1.02 Build	IBM*
xSeries 3950	1.11	IBM*
S4881G2NR	4.0 Rev 6.1	Tyan*
Transport GT24	AMI 2.3.1	Tyan*
S5396	1.0.1.5396	Tyan*
S5360G2NR	1.4	Tyan*
S7010AGM2NRF	3.00	Tyan*
S7002G2NR-LE	1.07	Tyan*
S7012GM4NR	2.3	Tyan*
5YASV-RH	1.0.0029	Gigabyte Tech*

5. Enclosures, PCI Adapters, and Peripherals

The testing of enclosures, add-in cards, and peripherals was performed on the Intel® RAID Controller RS2WC080 and RS2WC040 by Intel labs, independent test labs, or the vendor. Compatibility and stress testing was 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 for inter-compatibility due to the large number of possible configurations. 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 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, they 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 RS2WC080 and RS2WC040 during testing. There is no out-of-band enclosure management for a second backplane, so the only way to get enclosure management with two backplanes is to use at least one expander backplane with the Intel® RAID Controller RS2WC080 and RS2WC040.

Manufacturer	Model Name	Model Number	Interface	Comments
Intel	Intel® Backplane AXX6DRV3GEXP	AXX6DRV3GEXP	SAS/SATA	3Gb/s only
Intel	Intel® Backplane AXX6DRV3G	AXX6DRV3G	SAS/SATA	3Gb/s only
Intel	Intel® Backplane AXX6DRV3GR	AXX6DRV3GR	SAS/SATA	Up to 6Gb/s
Intel	Intel® Backplane AXX4DRV3GEXP	AXX4DRV3GEXP	SAS/SATA	3Gb/s only
Intel	Intel® Backplane AXX4DRV3G	AXX4DRV3G	SAS/SATA	3Gb/s only
Intel	Intel® Backplane AXX4DRV3GR	AXX4DRV3GR	SAS/SATA	Up to 6Gb/s
Intel	Intel® Backplane FSR1550SAS	Intel® Backplane FSR1550SAS	SAS/SATA	Only works with Intel® Passive Midplane FALPASMP under 3Gb/s mode
Intel	Intel® Backplane FSR2500SASBP	Intel® Backplane FSR2500SASBP	SAS/SATA	Only works with Intel® Passive Midplane FALPASMP under 3Gb/s mode
Intel	Intel® Backplane FHW4U2SASBP	FHW4U2SASBP	SAS/SATA	Up to 6Gb/s
Intel	Intel® Passive Midplane FRUPASMP	FRUPASMP	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR1625URR	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR2600URBRPR	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR2625URBRPR	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR2600URSATAR	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR1625URRNA	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR2600URBRPRNA	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR2625URBRPRNA	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR2600URSATARN A	SAS/SATA	Up to 6Gb/s

Intel	Intel® Backplane ASR1500PASBP	ASR1500PASBP	SAS/SATA	Up to 6Gb/s
Chenbro	RM31616ML	RM31616ML	SAS/SATA	3Gb/s only
Chenbro	RM23212ML	RM23212ML	SAS/SATA	3Gb/s only
Chenbro	RM41416ML	RM41416ML	SAS/SATA	3Gb/s only
SuperMicro	SC213	SC213	SAS/SATA	3Gb/s only
SuperMicro	SC216	SC216	SAS/SATA	3Gb/s only
SuperMicro	SAS2-216EL1	SAS2-216EL1	SAS/SATA	Up to 6Gb/s
SuperMicro	SAS2-216EL2	SAS2-216EL2	SAS/SATA	Up to 6Gb/s

5.3 Tape and Optical Drives

Note: The tape and optical drives are listed only if they were attached to this Intel® RAID Controller RS2WC080 and RS2WC040 during testing.

Manufacturer	Model Name	Model Number	Interface
Sony	SDX-570V	SDX-570V	SATA
Quantum	CD72SH	CD72SH	SATA
Tandburg Data	LTO-4 HH	LTO-4 HH	SAS 6Gb/s
HP Storagework	EH958A	EH958A	SAS 6Gb/s

6. Hard Disk Drives and Solid State Drives

The testing of hard disk drives and solid state drives was performed with the Intel® RAID Controller RS2WC080 and RS2WC040 by Intel labs, independent test labs, or vendors. 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 was 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. To verify that the device is included for the server board as well as for the Intel® RAID Controller RS2WC080 and RS2WC040, use the Server Configurator tool available at:

<http://serverconfigurator.intel.com/default.aspx>.

Note: All hard disk drives and solid state drives were not tested under all operating systems.

Any variations to the standard adapter installation process or to the 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: The hard disk drives and solid state drives are listed in the following table only if they were attached to the Intel® RAID Controller RS2WC080 and RS2WC040 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>.

Manufacture	Type	Speed	Model	FW version	Capacity	Size	RPM
Toshiba*	SAS	6Gb/s	MBF2600RC	0107	600GB	2.5"	10K
Fujitsu*	SAS	6Gb/s	MBE2073RC	0103	73GB	2.5"	15K
Fujitsu*	SAS	6Gb/s	MBD2300RC	D807	300GB	2.5"	10K
Fujitsu*	SAS	6Gb/s	MBD2147RC	0102	147GB	2.5"	10K
Fujitsu*	SAS	6Gb/s	MBD2147RC	0101	147GB	3.5"	10K
Fujitsu*	SAS	6Gb/s	MBE2147RC	0103	147GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MBB2147RC	0105	147GB	2.5"	10K
Fujitsu*	SAS	3Gb/s	MAX3147RC	21B5	147GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MAX3147RC	5202	146GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MBA3147RC	D305	146GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MBA3147RC	0103	147GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MBA3300RC	0103	300GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MAX3036RC	0104	36GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MAX3073RC	T904	73GB	3.5"	15K
Fujitsu*	SAS	3Gb/s	MAU3147RC	0104	36GB	3.5"	15K
Fujitsu*	SATA	3Gb/s	MHZ2080BJ	011B	80GB	2.5"	7200
Fujitsu*	SATA	3Gb/s	MHZ2320B	0009	320GB	2.5"	5400
Fujitsu*	SATA	3Gb/s	MHZ2320B	001E	320GB	2.5"	5400
Fujitsu*	SATA	3Gb/s	MJA2320B	0018	320GB	2.5"	5400

Manufacture	Type	Speed	Model	FW version	Capacity	Size	RPM
Fujitsu*	SATA	3Gb/s	MHZ2160B	011E	160GB	2.5"	7200
Maxtor*	SAS	3Gb/s	8J300S0	MS05	300GB	3.5"	10K
Maxtor*	SAS	3Gb/s	8K147S0	MS05	147GB	3.5"	15K
Maxtor*	SAS	3Gb/s	ATLAS10K5_036SAS	BK00	36GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_300SAS	BP05	300GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_073SAS	BP05	73GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_036SAS	BP05	36GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_073SAS	BP00	73GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_073SAS	S412	73GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_147	BP05	147GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_300SAS	BP00	300GB	3.5"	10K
Maxtor*	SAS	3Gb/s	ATLAS10K5_300SAS	BP05	300GB	3.5"	10K
Maxtor*	SATA	3Gb/s	7L300S0	1G10	300GB	3.5"	7200
Samsung*	SATA	3Gb/s	HE103UJ	1111	1TB	3.5"	7200
Samsung*	SATA	3Gb/s	HE103UJ	0-33	1TB	3.5"	7200
Samsung*	SATA	3Gb/s	HE103UJ	0192	1TB	3.5"	7200
Samsung*	SATA	3Gb/s	HD160JJ	0-41	160GB	3.5"	7200
Samsung*	SATA	3Gb/s	SP2004C	0-32	200GB	3.5"	7200
Samsung*	SATA	3Gb/s	SP2504C	0-33	250GB	3.5"	7200
Hitachi*	SAS	6Gb/s	HUC106060CSS600	A840	600GB	2.5"	10K
Hitachi*	SAS	6Gb/s	HUC106060CSS601	B852	600GB	2.5"	FDE
Hitachi*	SAS	6Gb/s	HUC106060CSS600	A150	600GB	2.5"	10K
Hitachi*	SAS	6Gb/s	HUC103014CSS600	A120	147GB	2.5"	10K
Hitachi*	SAS	6Gb/s	HUS156030VLS600	A538	300GB	3.5"	15K
Hitachi*	SAS	6Gb/s	HUC151414CSS600	A330	147GB	2.5"	15K
Hitachi*	SAS	6Gb/s	HUC151473CSS600	A330	73GB	2.5"	15K
Hitachi*	SAS	6Gb/s	HUC103030CSS600	A120	300GB	2.5"	10K
Hitachi*	SAS	6Gb/s	HUC151414CSS600	a370	147GB	2.5"	15K
Hitachi*	SAS	6Gb/s	HUC103014CSS600	A120	300GB	2.5"	10K
Hitachi*	SAS	6Gb/s	HUS156060VLS601	B530	600GB	3.5"	SED
Hitachi*	SAS	3Gb/s	HDP72502	A50E	250GB	3.5"	7200
Hitachi*	SAS	6Gb/s	HUC156060VLS600	A370	600GB	3.5"	15K
Hitachi*	SAS	3Gb/s	HUS151414VLS300	A420	136GB	3.5"	15K
Hitachi*	SAS	3Gb/s	HUS151436VLS300	A130	36GB	3.5"	15K
Hitachi*	SAS	3Gb/s	HUS151473VLS300	A340	73GB	3.5"	15K
Hitachi*	SAS	3Gb/s	HUS153073VLS300	A110	73GB	3.5"	15K
Hitachi*	SAS	3Gb/s	HUS154530VLS300	A4B0	300GB	3.5"	15K
Hitachi*	SAS	3Gb/s	HUS154545VLS300	A4B0	450GB	3.5"	15K
Hitachi*	SATA	3Gb/s	HDS72202ALA330	A20N	2TB	3.5"	7200
Hitachi*	SATA	3Gb/s	HUA7220202ALA330	28A	2TB	3.5"	7200
Hitachi*	SATA	3Gb/s	HUA722010CLA330	25C	1TB	3.5"	7200
Hitachi*	SATA	3Gb/s	HDT72010SLA360	3A33	1TB	3.5"	7200
Hitachi*	SATA	3Gb/s	HDS72161	AB1A	164GB	3.5"	5400
Hitachi*	SATA	3Gb/s	HDS72161	P220	160GB	3.5"	5400
Hitachi*	SATA	3Gb/s	HDS722512VLSA80	A63A	120GB	3.5"	7200
Hitachi*	SATA	3Gb/s	HDS725050KLA360	KRVN	500GB	3.5"	7200
Hitachi*	SATA	3Gb/s	HDS725050KLA360	AB0A	470GB	3.5"	7200
Hitachi*	SATA	3Gb/s	HDS725050KLA360	39M0	250GB	3.5"	7200
Hitachi*	SATA	3Gb/s	HDS728080PLA380	A6BA	80GB	3.5"	7200
Hitachi*	SATA	6Gb/s	HDS723030ALA640	A380	3TB	3.5"	7200
Hitachi*	SATA	3Gb/s	HUA72201	A25C	1TB	3.5"	7200
Hitachi*	SATA	3Gb/s	HUA72201	A39C	1TB	3.5"	7200
IBM*	SAS	6Gb/s	IBM-ESXS ST973452SS	B623	73GB	2.5"	15K
IBM*	SAS	6Gb/s	ESXSST973451SS	B612	73GB	2.5"	15K
IBM*	SAS	6Gb/s	ESXSST9146852SS	B623	140GB	2.5"	15K
IBM*	SAS	6Gb/s	ESXSST9146802SS	B52G	146GB	2.5"	10K
IBM*	SAS	3Gb/s	ESXSBBAA036C3ESTT0Z	NBH0	36GB	3.5"	10K

Manufacture	Type	Speed	Model	FW version	Capacity	Size	RPM
IBM*	SAS	3Gb/s	ESXSBBAA073C3ESTT0Z	NBH0	73GB	3.5"	10K
IBM*	SAS	3Gb/s	ESXSGNA073C3ESTT0Z	NBH0	73GB	3.5"	10K
IBM*	SAS	3Gb/s	ESXSGNA300C3ESTT0Z	NBH0	300GB	3.5"	
IBM*	SAS	3Gb/s	ESXS MAX3036RC	T904	36GB	3.5"	15K
IBM*	SAS	3Gb/s	ESXS MAX3147RC	T904	147GB	3.5"	15K
IBM*	SAS	3Gb/s	ESXS MBB2073RC	SB01	72GB	2.5"	10K
IBM*	SAS	3Gb/s	ESXS MBB2147RC	SB04	146GB	2.5"	10K
IBM*	SAS	3Gb/s	ESXSST336754SS	BA17	36GB	3.5"	15K
IBM*	SAS	3Gb/s	ESXS GNA300C3ESTT0Z	BH0D	300GB	3.5"	
IBM*	SAS	3Gb/s	ESXSST973451SS	B612	73GB	2.5"	15K
IBM*	SAS	3Gb/s	ESXS VPA073C3	NA49	73GB	3.5"	
IBM*	SAS	3Gb/s	ESXS VPA146C3	NA54	146GB	3.5"	
IBM*	SAS	3Gb/s	ESXS VPA146C3	NA49	146GB	3.5"	
IBM*	SAS	3Gb/s	BBA036C3ESTT0Z	BH0D	36GB	3.5"	
IBM*	SAS	3Gb/s	GNA073C3ESTT0Z	BH0D	73GB	3.5"	
IBM*	SAS	3Gb/s	IBM-ESXS ST3300555SS	BA33	300GB	3.5"	15K
IBM*	SAS	3Gb/s	IBM-ESXS ST336754SS	BA17	36GB	3.5"	15K
IBM*	SAS	3Gb/s	VPA073C3-ETS10	A49B	73GB	3.5"	
IBM*	SAS	3Gb/s	VPA073C3-ETS10	A49A	73GB	3.5"	
IBM*	SAS	3Gb/s	VPA073C3-ETS10	A540	73GB	3.5"	
IBM*	SAS	3Gb/s	GNA073C3ESTT0Z	NBH0	73GB	3.5"	
IBM*	SAS	3Gb/s	VPA146C3-ETS10	NA49	146GB	3.5"	
Seagate*	SAS	6Gb/s	ST9450404SS	0004	450GB	2.5"	10K
Seagate*	SAS	6Gb/s	ST973352SS	0002	73GB	2.5"	SED
Seagate*	SAS	6Gb/s	ST32000444SS	0004	2TB	3.5"	7200
Seagate*	SAS	6Gb/s	ST31000424SS	0004	1TB	3.5"	7200
Seagate*	SAS	6Gb/s	ST33000650SS	F901	3TB	3.5"	7200
Seagate*	SAS	6GB/s	ST9500431SS	DSF0	500GB	2.5"	7200
Seagate*	SAS	6GB/s	ST973452SS	B623	73GB	2.5"	15K
Seagate*	SAS	6GB/s	ST973402SS	MS00	73GB	2.5"	15K
Seagate*	SAS	6GB/s	ST9146803SS	0002	147GB	2.5"	15K
Seagate*	SAS	6GB/s	ST9146803SS	0004	147GB	2.5"	15K
Seagate*	SAS	6GB/s	ST9146852SS	B623	146GB	2.5"	15K
Seagate*	SAS	6GB/s	ST9300503SS	FSF4	300GB	2.5"	10K
Seagate*	SAS	6GB/s	ST3300657SS	0005	300GB	3.5"	15K
Seagate*	SAS	6GB/s	ST3450802SS	0004	450GB	3.5"	10K
Seagate*	SAS	6Gb/s	ST3450857SS	0005	450GB	3.5"	15K
Seagate*	SAS	6Gb/s	ST9300503SS	FT00	300GB	2.5"	SED
Seagate*	SAS	6Gb/s	ST9146703SS	FT00	146GB	2.5"	SED
Seagate*	SAS	3Gb/s	ST973402SS	MS003	73GB	2.5"	10K
Seagate*	SAS	6Gb/s	ST9146803SS	0004	146GB	2.5"	10K
Seagate*	SAS	6Gb/s	ST9146852SS	B623	146GB	2.5"	15K
Seagate*	SAS	6Gb/s	ST973452SS	B623	73GB	2.5"	15K
Seagate*	SAS	6Gb/s	ST9146802SS	MSB0	146GB	3.5"	10K
Seagate*	SAS	6Gb/s	ST3450802SS	0004	450GB	3.5"	10K
Seagate*	SAS	6Gb/s	ST9300603SS	0002	300GB	2.5"	10K
Seagate*	SAS	6GB/s	ST3600002SS	0002	600GB	3.5"	10K
Seagate*	SAS	6Gb/s	ST9500430SS	0001	500GB	2.5"	7200
Seagate*	SAS	6Gb/s	ST3500414SS	0004	500GB	3.5"	7200
Seagate*	SAS	3Gb/s	ST3300555SS	BA33	300GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST3300655SS	13LM042JJ	300GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST314854SS	0004	146GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST3300655SS	13LM042JJ	300GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	S412	33GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	0002	36GB	3.5"	15K

Manufacture	Type	Speed	Model	FW version	Capacity	Size	RPM
Seagate*	SAS	3Gb/s	ST336754SS	S410	36GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	23KQ	36GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	0002	36GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	BA17	36GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	MS02	36GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	S400	36GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST373454SS	0003	73GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST373454SS	S412	73GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST373454SS	33KP	73GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST373454SS	MSB03	73GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST373454SS	0002	70GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST373455SS	BA23	74GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST973402SS	MSB0	73GB	2.5"	10K
Seagate*	SATA	6Gb/s	ST33000650NS	ZZZZ	3TB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3500641NS	K2A0	500GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3160023AS	0003	160GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3160827AS	3.42	160GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3250824AS	H	250GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3250824AS	4ND3	150GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST330831AS	3.01	280GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3500630NS	AEG	500GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3200540AS	CC83	2TB	3.5"	4K Media
Seagate*	SATA	3Gb/s	ST3500641NS	S0	500GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3500641NS	P	500GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3750640NS	E	750GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST3750840NS	E	750GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST380013AS	3.18	80GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST380815AS	D	80GB	3.5"	7200
Seagate*	SATA	3Gb/s	ST9500530NS	SN02	500GB	2.5"	7200
Seagate*	SATA	3Gb/s	ST31000340NS	SN06	1TB	3.5"	7200
Seagate*	SATA	3Gb/s	ST32000644NS	SN11	2TB	3.5"	7200
Seagate*	SAS	3Gb/s	ST973402SS	MS00	73GB	2.5"	10K
Seagate*	SATA	3Gb/s	ST380013AS	3.18	80GB	3.5"	
Seagate*	SAS	3Gb/s	ST373455SS	S513	73GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST336754SS	S400	36GB	3.5"	
Seagate*	SAS	3Gb/s	ST936751SS	0001	36GB	2.5"	15K
Seagate*	SAS	3Gb/s	ST9146802SS	0002	147GB	2.5"	10K
Seagate*	SAS	3Gb/s	ST3146854SS	S412	146GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST3146854SS	S410	146GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST3146854SS	0003	136GB	3.5"	15K
Seagate*	SAS	3Gb/s	ST3146854SS	0002	146GB	3.5"	15K
Western Digital*	SAS	6Gb/s	WD1460BKFG-02P2V0	RG00	146GB	2.5"	10K
Western Digital*	SAS	6Gb/s	WD3000BKFG-02P2V0	RG00	300GB	2.5"	10K
Western Digital*	SAS	6Gb/s	WD6000BKHG-02A29V0	VG01	600GB	2.5"	10K
Western Digital*	SATA	6Gb/s	WD6000BLHX-01V7BV0	5G04	600GB	2.5"	10K
Western Digital*	SATA	6Gb/s	WD5003ABYX-01WERA0	1S01	500GB	3.5"	7200
Western Digital*	SATA	6Gb/s	WD1003FBYX-01Y7B0	1V01	1TB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD2002FYPS-02W3B0	1G01	2TB	3.5"	5400
Western Digital*	SATA	3Gb/s	WD2003FYYS-0	1D01	2TB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD2002FYPS0	5G04	2TB	3.5"	5400
Western Digital*	SATA	3Gb/s	WD10EADS11M	0A80	1TB	3.5"	4K Media
Western Digital*	SATA	3Gb/s	WD2002FYPS	5G04	2TB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD1000FYPS-0	1B01	1TB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD1600AAJS	6H05	160GB	3.5"	7200

Manufacture	Type	Speed	Model	FW version	Capacity	Size	RPM
Western Digital*	SATA	3Gb/s	WD1600YS	23S6C04	160GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD1600YS	1C03	160GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD1600YS-01S	6C06	160GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD1600YS-23S6C04	WCAP	160GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD2500YS	6C07	250GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD2500YS-18S	6C07	250GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD2502ABYS-2	3B04	250GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD4000YR	6A01	400GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD4000YR-01P	6A01	400GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD5000ABPS-0	1B01	500GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD5000ABPS-01ZZB0	2.01	500GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD5000KS	2E06	500GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD5000YS	01M2E07	500GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD5000YS	00.E	500GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD7500AAKS	04G30	750GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD7500AAKS-0	30	750GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD800JD	01E01	80GB	3.5"	7200
Western Digital*	SATA	3Gb/s	WD5000ABPS	2.01	500GB	3.5"	7200
ADATA*	SATA	3Gb/s	AS599S-100GM-C	80GB	rev 5.0	2.5"	
ADATA*	SATA	3Gb/s	AS599S-128GM-C	3.1.0	128GB	2.5"	
ADATA*	SATA	3Gb/s	AS599S-256GM-C	3.1.0	256GB	2.5"	
Intel*	SATA	6Gb/s	SSDSC2MH120A2C	PPXM	120G	2.5"	
Intel*	SATA	3Gb/s	SSDSA2BW160G3	0266	160GB	2.5"	
Intel*	SATA	3Gb/s	X25-E,SSDSA2SH032G1	8650	32GB	2.5"	
Intel*	SATA	3Gb/s	X25-E,SSDSA2SH064G1	8650	64GB	2.5"	
Intel*	SATA	3Gb/s	X25-E,SSDSA2SH064G1GN	8820	64GB	2.5"	
Intel*	SATA	3Gb/s	X25-M,SSDSA2MH080G1	8626	80GB	2.5"	
Intel*	SATA	3Gb/s	X25-M,SSDSA2MH160G1	8626	160GB	2.5"	
Intel*	SATA	3Gb/s	X25-M,SSDSA2MH160G1	8820	160GB	2.5"	
Intel*	SATA	3Gb/s	X25-M,SSDSA2M080G2GC	02HD	80GB	2.5"	
Intel*	SATA	3Gb/s	X25-M,SSDSA2MH160G2GC	02HD	160GB	2.5"	
Micron*	SATA	6Gb/s	MTFDDAC050SAL-1N1AA	0001	50GB	2.5"	
Micron*	SATA	6Gb/s	P300-MTFDDAC100SAL	0001	100GB	2.5"	
Micron*	SATA	6Gb/s	MTFDDAC200SAL-1N1AA	0001	200GB	2.5"	
Micron*	SATA	6Gb/s	MTFDDAK064MAG-1G1	0002	64GB	2.5"	
Micron*	SATA	6Gb/s	MTFDDAK128MAG-1G1	0002	128GB	2.5"	
Micron*	SATA	6Gb/s	MTFDDAK256MAG-1G1	0002	256GB	2.5"	
OCZ Technology*	SATA	3Gb/s	ITDCSTE025M2002	1.5E	240GB	2.5"	
Patriot Memory*	SATA	3Gb/s	PatriotTorqx12	1881	120GB	2.5"	
PLIANT*	SAS	3Gb/s	LS300S	T101	300GB	3.5"	
ANOBIT*	SATA	3Gb/s	Genesis-1	0002	200GB	3.5"	
Samsung*	SATA	3Gb/s	MCBQE25G		25GB	2.5"	
Samsung*	SATA	3Gb/s	2.5"50GBSSDSATA	803Q	50GB	2.5"	
Samsung*	SATA	3Gb/s	2.5"100GBSSDSATA	803Q	100GB	2.5"	
UNIGEN*	SATA	3Gb/s	UGB88PGB100HB1-ES	RC Rev1	100GB	2.5"	
UNIGEN*	SATA	3Gb/s	UGB88APT128HS3	1916	128GB	2.5"	
SUPER TALENT*	SATA	3Gb/s	FTM12CT25H	STTMP2	120GB	2.5"	

Manufacture	Type	Speed	Model	FW version	Capacity	Size	RPM
STEC*	SATA	1.5Gb/s	MACH8 IO	2084	22GB	2.5"	
STEC*	SATA	1.5Gb/s	M8ISB2-25UC	2119	25GB	2.5"	
STEC*	SATA	1.5Gb/s	M8ISB2-50UC	2119	50GB	2.5"	