



# **Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0**

## ***Tested Hardware and Operating System List (THOL)***

**Revision 1.0**

**October, 2012**

**Enterprise Platforms and Services Division**

## *Revision History*

Date	Revision Number	Modifications
October 2012	1.0	Update the following: <ul style="list-style-type: none"> <li>▪ Combining THOLs of RMS2AF0x0 and RMS2LL0x0</li> <li>▪ Operating Systems</li> <li>▪ Hard Disk Drives and Solid State Drives</li> </ul>

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# 1. Introduction

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This document provides users of the Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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 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® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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.

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**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.*

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#### 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.

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**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.

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## 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® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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	HSC Revision
1	RMS2AF080	907853	Ver. 2.60.04-0829	
	RMS2AF040	907854		
2	RMS2AF080	907853	2.120.14-1094	
	RMS2AF040	907854		
3	RMS2AF080	907853	2.120.184-1415	B1
	RMS2AF040	907854		
4	RMS2AF080	907853	2.130.294-1580	B1
	RMS2AF040	907854		

**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	RMS2LL080	907855	Factory Default
	RMS2LL040	907856	
2	RMS2LL080	907855	07.00.00.00
	RMS2LL040	907856	
3	RMS2LL080	907855	10.00.00.00
	RMS2LL040	907856	



### 3. Operating Systems

The following table provides a list of supported operating systems for the Intel® Integrated RAID Module RMS2AF0x0. Each operating system was tested for compatibility with Intel® Integrated RAID Module RMS2AF0x0 and RMS2LLOx0 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® Integrated RAID Module RMS2AF0x0, 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 (with latest Service Pack)	Base System Configuration Tested – Type of Testing
1	Microsoft Windows 2003*	Configuration 1,2,3,4 – Compatibility and Stress
2	Microsoft Windows 2003*, x64	Configuration 1,2,3,4 – Compatibility and Stress
3	Microsoft Windows 2008*	Configuration 1,2,3,4 – Compatibility and Stress
4	Microsoft Windows 2008*, x64	Configuration 1,2,3,4 – Compatibility and Stress
5	Microsoft Windows Server 2008 R2*	Configuration 1,2,3,4 – Compatibility and Stress
6	Microsoft Windows 7*	Configuration 2,3,4 – Compatibility and Stress
7	Microsoft Windows 7*, x64	Configuration 2,3,4 – Compatibility and Stress
8	Microsoft Windows 8*	Configuration 4 – Compatibility and Stress
9	Microsoft Windows 8*, x64	Configuration 4 – Compatibility and Stress
10	Microsoft Windows Server 2012, x64	Configuration 4 – Compatibility and Stress
11	Red Hat* Enterprise Linux ES 5 SP5	Configuration 1,2,3,4 – Compatibility and Stress
12	Red Hat* Enterprise Linux ES 5 SP5, x86_64	Configuration 1,2,3,4 – Compatibility and Stress
13	SuSE* Linux Enterprise Server 11 SP1	Configuration 1,2,3,4 – Compatibility and Stress
14	SuSE* Linux Enterprise Server 11 SP1, x86_64	Configuration 1,2,3,4 – Compatibility and Stress
15	VMWare ESXi 4.0	Configuration 2,3,4 – Compatibility and Stress
16	VMWare ESXi 5.0	Configuration 3,4 – Compatibility and Stress

**Note:** The operating systems listed in the following table have been tested for compatibility with the Intel® Integrated RAID Module RMS2LL0x0, 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 (with latest Service Pack)	Base System Configuration Tested – Type of Testing
1	Microsoft Windows 2003*	Configuration 1,2,3 – Compatibility and Stress
2	Microsoft Windows 2003*, x64	Configuration 1,2,3 – Compatibility and Stress
3	Microsoft Windows 2008*	Configuration 1,2,3 – Compatibility and Stress
4	Microsoft Windows 2008*, x64	Configuration 1,2,3 – Compatibility and Stress
5	Microsoft Windows Server 2008 R2	Configuration 3 – Compatibility and Stress
6	Microsoft Windows Vista	Configuration 3 – Compatibility and Stress
7	Microsoft Windows Vista, x64	Configuration 3 – Compatibility and Stress
8	Microsoft Windows XP	Configuration 3 – Compatibility and Stress
9	Microsoft Windows XP, x64	Configuration 3 – Compatibility and Stress
10	Microsoft Windows 7*	Configuration 2,3 – Compatibility and Stress
11	Microsoft Windows 7*, x64	Configuration 2,3 – Compatibility and Stress
12	Microsoft Windows 8	Configuration 3 – Compatibility and Stress
13	Microsoft Windows 8, x64	Configuration 3 – Compatibility and Stress
14	Microsoft Windows Server 2012, x64	Configuration 3 – Compatibility and Stress
15	Red Hat* Enterprise Linux ES 6 SP2	Configuration 3 – Compatibility and Stress
16	Red Hat* Enterprise Linux ES 6 SP2, x86_64	Configuration 3 – Compatibility and Stress
17	SuSE* Linux Enterprise Server 10 SP4	Configuration 3 – Compatibility and Stress
18	SuSE* Linux Enterprise Server 10 SP4, x86_64	Configuration 1,2,3 – Compatibility and Stress
19	SuSE* Linux Enterprise Server 11 SP1	Configuration 1,2,3 – Compatibility and Stress
20	SuSE* Linux Enterprise Server 11 SP1, x86_64	Configuration 1,2,3 – Compatibility and Stress
21	SuSE* Linux Enterprise Server 11 SP2	Configuration 3 – Compatibility and Stress
22	SuSE* Linux Enterprise Server 11 SP2, x86_64	Configuration 3 – Compatibility and Stress
23	VMWare ESX 4.0	Configuration 3 – Compatibility and Stress

### 3.1 Operating System Certifications

The following table lists the operating systems that Intel will certify with the Intel® Integrated RAID Module RMS2AF0x0. 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® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows 2008 Enterprise Server*	Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows 2008 R2 Enterprise Server*	Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows XP Enterprise Server*	Intel® Integrated RAID Module RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows Vista Enterprise Server*	Intel® Integrated RAID Module RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows 7 Enterprise Server*	Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows 8 Enterprise Server*	Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>
Microsoft Windows 2012 Enterprise Server*	Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.aspx">http://www.microsoft.com/whdc/hcl/default.aspx</a>

## 4. Supported Server Boards and Systems

### 4.1 Intel® Server Boards and Systems

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

Intel® Server Board	BIOS	BMC	FRU/SDR	HSC
S5520UR*	R0061	R0060	26	2.17
S5500WB	R0061	R0060	16	2.15
S5520HC / S5520HCT	R0061	R0060	30	2.18
S5520HCV	R0061	R0060	30	2.18
S5520SC	R0061	R0060	30	2.18
S3420GPLX / S3420GPRX	R0051	R0125	22	2.15
S1200BTL / S1200BTS (for RMS2LL0x0)	R0037	1.14	1.14	N/A

Intel® Server System	BIOS	BMC	FRU/SDR	HSC
SR1600UR*	R0061	R0060	26	2.17
SR1600URHS* (need to work together with the passive backplane ASR1500PASBP which has to be ordered separately as an accessory.)	R0061	R0060	26	2.17
SR1625UR*	R0061	R0060	26	2.17
SR2600URBRP*	R0061	R0060	26	2.17
SR2600URSATA*	R0061	R0060	26	2.17
SR2625URBRP*	R0061	R0060	26	2.17
SR2612UR	R0061	R0060	26	2.17
SR1690WB	R0061	R0060	16	2.15
SR1695WB	R0061	R0060	16	2.15
SC5650SCWS	R0061	R0060	30	2.18
SC5650HCBRP	R0061	R0060	30	2.18
SR1630GP / SR1630HGP	R0051	R0125	22	2.15

Note \*: The air duct of Intel® Server System SR2600UR, SR2625UR, SR1625UR and SR1600UR has been upgraded and integrated in the server systems, in order to support Intel® Integrated RAID Module RMS2AF0x0. Users that have the older air duct can contact Intel to get an updated air duct.

Note \*\*: Due to mechanical limitation, the lowest 2U riser card slot in Intel® Server System SR2600UR / SR2625UR / SR2612UR, or the 1U riser card slot in SR1600UR / SR1625UR / SR1690WB / SR1695WB are prohibited to be used when the Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 is installed.

Note \*\*\*: Due to mechanical limitation, full length PCI-Express cards are prohibited to be used in Intel® Server System SC5650SCWS and SC5650HCBRP.

Note \*\*\*\*: Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 is also supported by Intel® Server Chassis SC5600 with Intel® Server Boards S5520HC / S5520HCT, S5520HCV or S5520SC inside.

Note\*\*\*\*: Intel® Integrated RAID Module RMS2AF080 and RMS2LL080 have 8 direct connection SATA ports; RMS2AF040 and RMS2LL040 have 4 direct connection SATA ports. Check the supported hard drive numbers from compatible Intel® Server Systems above, in order to make proper choice of Intel® Integrated RAID Module.

## 4.2 3<sup>rd</sup> Party Server Boards and Systems

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

Part Number	Vendor	Product Type
SR105	Chenbro*	Chassis
SR209	Chenbro*	Chassis
NSR104	CI Design*	Chassis
NSR212	CI Design*	Chassis
ESR104	TST*	Chassis
ESR102	TST*	Chassis
RMC1K	T-Win*	Chassis
S1421	IOK*	Chassis
ECR9234	Evercase*	Chassis

## 5. Enclosures, PCI Adapters, and Peripherals

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The testing of enclosures, add-in cards, and peripherals was performed on the Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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.

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

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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.

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**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.*

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### 5.1 External Storage

None.

## 5.2 Internal Storage

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**Note:** *The enclosures are listed only if they were attached to the Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0.*

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Please refer to Section 4.1 for details.

## 6. Hard Disk Drives and Solid State Drives

The testing of hard disk drives and solid state drives was performed with the Intel® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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® Integrated RAID Module RMS2AF0x0, use the Server Configurator tool available at:

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

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

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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® Integrated RAID Module RMS2AF0x0 and RMS2LL0x0 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>.

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#### Solid State Drive List:

Manufacture	Type	Speed	Model	FW version	Capacity	Size
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"
ANOBIT	SATA	3Gb/s	Genesis-1	2.21	200GB	3.5"
Corsair	SATA	3Gb/s	CMFSSD-64D1	0.1	64GB	2.5"
Hitachi	SAS	6Gb/s	HUSSL4040ASS600	A131	400GB	2.5"
Hitachi	SAS	6Gb/s	HUSSL4020ASS600	A131	200GB	2.5"
Hitachi	SAS	6Gb/s	HUSSL4010ASS600	A131	100GB	2.5"
Hitachi	SAS	6GB/s	HUSML4020ASS600	A310	200GB	2.5"
Hitachi	SAS	6GB/s	HUSML4040ASS600	A310	400GB	2.5"
Intel	SATA	6Gb/s	520 series, SSDSC2BW060A3	400i	60GB	2.5"
Intel	SATA	6Gb/s	520 series, SSDSC2BW120A3	400i	120GB	2.5"
Intel	SATA	6Gb/s	520 series,	400i	180GB	2.5"



Manufacture	Type	Speed	Model	FW version	Capacity	Size
			SSDSC2BW180A3			
Intel	SATA	6Gb/s	520 series, SSDSC2BW240A3	400i	240GB	2.5"
Intel	SATA	6Gb/s	520 series, SSDSC2BW480A3	400i	480GB	2.5"
Intel	SATA	6Gb/s	510 series, SSDSC2MH250A2xx	PWG4	250GB	2.5"
Intel	SATA	6Gb/s	510 series, SSDSC2MH120A2xx	PPG4	120GB	2.5"
Intel	SATA	3Gb/s	320 series, SSDSA2BW80G3	4PC10362	80GB	2.5"
Intel	SATA	3Gb/s	320 series, SSDSA2BW120G3	4PC10362	120GB	2.5"
Intel	SATA	3Gb/s	320 series, SSDSA2BW160G3	4PC10362	160GB	2.5"
Intel	SATA	3Gb/s	320 series, SSDSA2BW300G3	4PC10362	300GB	2.5"
Intel	SATA	3Gb/s	320 series, SSDSA2BW600G3	4PC10362	600GB	2.5"
Intel	SATA	3Gb/s	710 series, SSDSA2BZ100G3	6PB10362	200GB	2.5"
Intel	SATA	3Gb/s	710 series,SSDSA2BZ200G3	6PB10362	200GB	2.5"
Intel	SATA	3Gb/s	710 series,SSDSA2BZ300G3	6PB10362	200GB	2.5"
Intel	SATA	3Gb/s	X25-E,SSDSA2SH032G1	8790	32GB	2.5"
Intel	SATA	3Gb/s	X25-E,SSDSA2SH064G1	8790	64GB	2.5"
Intel	SATA	3Gb/s	X25- E,SSDSA2SH064G1GN	8850	64GB	2.5"
Intel	SATA	3Gb/s	X25-M,SSDSA2MH080G1	8626	80GB	2.5"
Intel	SATA	3Gb/s	X25-M,SSDSA2ME20	350	200GB	2.5"
Intel	SATA	3Gb/s	X25-M,SSDSA2MH160G1	8626	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"
Kingston	SATA	3Gb/s	SVP100S2/64G	0202	64GB	2.5"
Kingston	SATA	3Gb/s	SVP100S2/96G	0202	96GB	2.5"
Kingston	SATA	3Gb/s	SVP100S2/128G	0202	128GB	2.5"
Kingston	SATA	3Gb/s	SVP100S2/256G	0202	256GB	2.5"
Kingston	SATA	3Gb/s	SVP100S2/512G	0202	512GB	2.5"
Kingston	SATA	3Gb/s	SNVP325-S2/256GB	0201	256GB	2.5"
Kingston	SATA	3Gb/s	SNVP325-S2/512GB	0202	512GB	2.5"
Micron	SATA	6Gb/s	MTFDDAC100SAL-1N1AA	0001	200GB	2.5"
Micron	SATA	6Gb/s	MTFDDAC200SAL-1N1AA	0001	100GB	2.5"
Micron	SATA	6Gb/s	MTFDDAC50SAL-1N1AA	0001	50GB	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"
Micron	SATA	6Gb/s	MTFDDAC128MAM-1J1	0001	256GB	2.5"
Micron	SATA	6Gb/s	MTFDDAC256MAM-1K1	0001	256GB	2.5"
Micron	SATA	6Gb/s	MTFDDAC512MAM-1K1	0001	256GB	2.5"

Manufacture	Type	Speed	Model	FW version	Capacity	Size
OCZ Technology	SATA	3Gb/s	ITDCSTE025M2002	1.5E	240GB	2.5"
OCZ Technology	SATA	6GB/s	D2CSTK251M11012	2.08	120GB	2.5"
OCZ Technology	SATA	6GB/s	Vertex 3 VTX3-25SAT3-120G	2.08	120GB	2.5"
Patriot	SATA	6Gb/s	Wildfire PW120GS25SSDR	320ABBF0	120GB	2.5"
Patriot	SATA	6Gb/s	Wildfire PW240GS25SSDR	320ABBF0	240GB	2.5"
Patriot	SATA	6Gb/s	Wildfire PW480GS25SSDR	320ABBF0	480GB	2.5"
Patriot	SATA	3Gb/s	PatriotTorqx12	1881	120GB	2.5"
Pliant	SAS	6Gb/s	LS406S	T366	400GB	2.5"
Pliant	SAS	6Gb/s	LS206S	T366	200GB	2.5"
Pliant	SAS	6Gb/s	LS106S	T366	100GB	2.5"
Pliant	SAS	3Gb/s	LS300S	T101	300GB	3.5"
Pliant	SAS	3Gb/s	LS150S	P104	150GB	3.5"
Pliant	SAS	3Gb/s	LB150S	P103	150GB	2.5"
Pliant	SAS	3Gb/s	LB150M	P103	150GB	2.5"
Pliant	SAS	3Gb/s	LB400M	P200	400GB	2.5"
Pliant	SAS	3Gb/s	LB200M	P200	200GB	2.5"
Seagate	SAS	6Gb/s	ST100FM0002	0003	100GB	2.5"
Seagate	SAS	6Gb/s	ST200FM0002	0003	200GB	2.5"
Seagate	SAS	6Gb/s	ST400FM0002	0003	400GB	2.5"
Seagate	SAS	6Gb/s	ST800FM0002	0003	800GB	2.5"
Seagate	SATA	6Gb/s	ST100FM0012	0004	100GB	2.5"
Seagate	SATA	6Gb/s	ST200FM0012	0004	200GB	2.5"
Seagate	SATA	6Gb/s	ST400FM0012	0004	400GB	2.5"
Seagate	SATA	6Gb/s	ST800FM0012	0004	800GB	2.5"
Samsung	SATA	6Gb/s	PM830,MZ7PC128HAFU-00000	1W1Q	128GB	2.5"
Samsung	SATA	6Gb/s	PM830,MZ7PC256HAFU-000DA	1W1Q	256GB	2.5"
Samsung	SATA	3Gb/s	SM825,MZ5EA100HMDR-00003	303Q	100GB	2.5"
Samsung	SATA	3Gb/s	SM825,MZ5EA200HMDR-00003	303Q	200Gb	2.5"
Samsung	SATA	3Gb/s	SM825,MZ5EA400HMDR-00003	303Q	400GB	2.5"
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"
STEC	SAS	6Gb/s	Z16IZF2E-200CU	E41C	200GB	2.5"
STEC	SAS	6Gb/s	Z16IZF2D-200UC	E124	200GB	2.5"
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"
Super Talent	SATA	3Gb/s	FTM12CT25H	STTMP2	120GB	2.5"
Toshiba	SAS	6Gb/s	MK4001GRZB	0107	400GB	2.5"
Toshiba	SAS	6Gb/s	MK2001GRZB	0107	200GB	2.5"
Toshiba	SAS	6Gb/s	MK1001GRZB	0107	100GB	2.5"
Unigen	SATA	3Gb/s	UGB88PGB100HB1-ES	RC Rev1	100GB	2.5"

Manufacture	Type	Speed	Model	FW version	Capacity	Size
Unigen	SATA	3Gb/s	UGB88APT128HS3	1916	128GB	2.5"

**Hard Disk Drive List:**

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Fujitsu	SAS	6Gb/s	MBE2073RC	103	73GB	2.5"	15K
Fujitsu	SAS	6Gb/s	MBD2300RC	D807	300GB	2.5"	10K
Fujitsu	SAS	6Gb/s	MBE2147RC	0103	147GB	2.5"	15K
Fujitsu	SAS	6Gb/s	MBD2147RC	0102	147GB	2.5"	10K
Fujitsu	SAS	3Gb/s	MBB2073RC	0105	73GB	2.5"	10K
Fujitsu	SAS	3Gb/s	MAV2036RC	108	36GB	2.5"	10K
Fujitsu	SAS	3Gb/s	MBC2073RC	104	73GB	2.5"	15K
Fujitsu	SAS	3Gb/s	MBB2147RC	105	140GB	2.5"	10K
Fujitsu	SAS	3Gb/s	MAU3147RC	104	147GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MBA3300RC	0103	300GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MBA3147RC	0103	147GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MBA3073RC	0103	73GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MAX3036RC	0104	36GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MAX3073RC	0104	73GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MAX3036RC	D207	36GB	3.5"	15K
Fujitsu	SAS	3Gb/s	MAX3147RC	5202	146GB	3.5"	15K
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
Fujitsu	SATA	3Gb/s	MHZ2160B	011E	160GB	2.5"	7200
Fujitsu	SATA	3Gb/s	MHZ2160B	0009	160GB	2.5"	7200
Fujitsu	SATA	3Gb/s	MHZ2250B	0009	250GB	2.5"	5400
Fujitsu	SATA	3Gb/s	MHZ2250B	001E	250GB	2.5"	5400
Fujitsu	SATA	3Gb/s	MJA2400B	0018	400GB	2.5"	5400
Fujitsu	SATA	3Gb/s	MHZ2080B	001E	80GB	2.5"	5400
Fujitsu	SATA	3Gb/s	MHZ2120B	0109	120GB	2.5"	5400
Hitachi	SAS	6Gb/s	HUC109090CSS601	B1D0	900GB	2.5"	10K/SED
Hitachi	SAS	6Gb/s	HUC109060CSS601	B1D0	600GB	2.5"	10K/SED
Hitachi	SAS	6Gb/s	HUC109045CSS601	B1D0	450GB	2.5"	10K/SED
Hitachi	SAS	6Gb/s	HUC109030CSS601	B1D0	300GB	2.5"	10K/SED
Hitachi	SAS	6Gb/s	HUC109090CSS600	A1D0	900GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUC109060CSS600	A1D0	600Gb	2.5"	10K
Hitachi	SAS	6Gb/s	HUC109045CSS600	A1D0	450GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUC109030CSS600	A1D0	300GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUS723030ALS640	A220	3TB	3.5"	7200
Hitachi	SAS	6Gb/s	HUS723020ALS640	A220	2TB	3.5"	7200
Hitachi	SAS	6Gb/s	HUC106060CSS600	A202	600GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUC106045CSS600	A202	450GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUC106030CSS600	A202	300GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUC106060CSS601	B2A0	600GB	2.5"	SED
Hitachi	SAS	6Gb/s	HUC106045CSS601	B2A0	450GB	2.5"	SED
Hitachi	SAS	6Gb/s	HUC106030CSS601	B2A0	300GB	2.5"	SED
Hitachi	SAS	6Gb/s	HUC106060CSS600	A150	600GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUS156030VLS600	A5D0	300GB	3.5"	15K
Hitachi	SAS	6Gb/s	HUS156060VLS601	B530	600GB	3.5"	SED
Hitachi	SAS	6Gb/s	HUS156045VLS601	B530	450GB	3.5"	SED
Hitachi	SAS	6Gb/s	HUS156030VLS601	B530	300GB	3.5"	SED
Hitachi	SAS	6Gb/s	HUS156060VLS600	A5D0	600GB	3.5"	15K
Hitachi	SAS	6Gb/s	HUS156045VLS600	A5D0	450GB	3.5"	15K
Hitachi	SAS	6Gb/s	HUS156030VLS600	A5D0	300GB	3.5"	15K
Hitachi	SAS	6Gb/s	HUC151473CSS600	A5D0	73GB	2.5"	15K

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Hitachi	SAS	6Gb/s	HUC151414CSS600	A5D0	147GB	2.5"	15K
Hitachi	SAS	6Gb/s	HUC151414CSS600	A370	147GB	2.5"	15K
Hitachi	SAS	6Gb/s	HUC103014CSS600	A5D0	147G	2.5"	10K
Hitachi	SAS	6Gb/s	HUC103030CSS600	A5D0	300GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUC151414CSS600	A5D0	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	HUC103014CSS600	A120	147GB	2.5"	10K
Hitachi	SAS	6Gb/s	HUS156060VLS600	A202	600GB	3.5"	15K
Hitachi	SAS	6Gb/s	HUS156045VLS600	A202	450GB	3.5"	15K
Hitachi	SAS	6Gb/s	HUS156030VLS600	A202	300GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151436VLS300	A130	36GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151436VLS300	A230	36GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS153073VLS300	A110	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151473VLS300	A120	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151414VLS300	A110	146GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151414VLS300	A420	147GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151473VLS300	A230	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151473VLS300	A211	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151473VLS300	A211	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS156030VLS600	A310	300GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151436VLS300	A110	36GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151436VLS300	A420	36GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151436VLS300	A350	36GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS154530VLS300	A4B0	300GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS154545VLS300	A4B0	450GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151473VLS300	A340	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS153030VLS300	A120	300GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151473VLS300	A130	73GB	3.5"	15K
Hitachi	SAS	3Gb/s	HUS151436VLS300	A48B	36GB	3.5"	15K
Hitachi	SATA	6Gb/s	HUS724040ALE640	A390	4TB	3.5"	7200
Hitachi	SATA	6Gb/s	HUS724030ALE640	A390	3TB	3.5"	7200
Hitachi	SATA	6Gb/s	HUS724020ALE640	A390	2TB	3.5"	7200
Hitachi	SATA	6Gb/s	HUA723030ALA640	A580	3TB	3.5"	7200
Hitachi	SATA	6Gb/s	HUA723020ALA640	A580	2TB	3.5"	7200
Hitachi	SATA	6Gb/s	HUA723030ALA641	A5C0	3TB	3.5"	SED
Hitachi	SATA	6Gb/s	HUA723020ALA641	A5C0	2TB	3.5"	SED
Hitachi	SATA	6Gb/s	HDS723030ALA640	A5C0	3TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDE721010SLA330	A31B	1TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS728080PLA380	A69A	82GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS722512VLSA80	A63A	120GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS72161	AB1A	160GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT72502	A72A	250GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDP72503	A52A	320GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT722525DLA380	A80A	250GB	3.5"	7200
Hitachi	SATA	3Gb/s	S728080PLA380	PF2O	80GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT722525DLA380	A60A	250GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS722580VLSA80	A63A	80GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS728080PLA380	A60A	82GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS728080PLA380	A6BA	82GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT722516DLA380	A80A	160GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS72161	ABEA	160GB	3.5"	7200
Hitachi	SATA	3Gb/s	HUA72101	A70M	1TB	3.5"	7200
Hitachi	SATA	3Gb/s	HUA72201	A25C	1TB	3.5"	7200
Hitachi	SATA	3Gb/s	HUA722010CLA330	25C	1TB	3.5"	7200
Hitachi	SATA	3Gb/s	HUA72201	A39C	1TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS722020ALA330	A20N	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	H7220AA30SUN20T	A2DZ	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	HUA722020ALA330	A00U	2TB	3.5"	7200

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Hitachi	SATA	3Gb/s	HDS72202ALA330	A20N	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT72010SLA360	A3AA	1TB	3.5"	7200
Hitachi	SAS	3Gb/s	HUS151473VLS300	A230	73GB	3.5"	15K
Hitachi	SATA	3Gb/s	HDE721050SLA330	GM40	500GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT721010SLA360	A3AA	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	ESXSBBA036C3ESTT0Z	NBH0	36GB	3.5"	10K
IBM	SAS	3Gb/s	ESXSBBA073C3ESTT0Z	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 MB2073RC	SB01	72GB	2.5"	10K
IBM	SAS	3Gb/s	ESXS MB2147RC	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"	
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	1113	1TB	3.5"	7200
Samsung	SATA	3Gb/s	HE103UJ	1111	1TB	3.5"	7200
Samsung	SATA	3Gb/s	HE103UJ	192	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
Seagate	SAS	6Gb/s	ST91000640NS	SN01	1TB	2.5"	7200
Seagate	SAS	6Gb/s	ST9500620NS	SN01	500GB	2.5"	7200
Seagate	SAS	6Gb/s	ST9250610NS	SN01	250GB	2.5"	7200
Seagate	SAS	6Gb/s	ST32000444SS	0005	2TB	2.5"	7200
Seagate	SAS	6Gb/s	ST9300653SS	0004	300GB	2.5"	15K
Seagate	SAS	6Gb/s	ST9146853SS	0004	147GB	2.5"	15K
Seagate	SAS	6Gb/s	ST33000650SS	0002	3TB	3.5"	7200
Seagate	SAS	6Gb/s	ST32000645SS	0002	2TB	3.5"	7200

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Seagate	SAS	6Gb/s	ST33000651SS	0002	3TB	3.5"	SED
Seagate	SATA	6Gb/s	ST32000646SS	0002	2TB	3.5"	SED
Seagate	SAS	6Gb/s	ST2000NM0001	0001	2TB	3.5"	7200
Seagate	SAS	6Gb/s	ST1000NM0001	0001	1TB	3.5"	7200
Seagate	SAS	6Gb/s	ST500NM0001	0001	500GB	3.5"	7200
Seagate	SAS	6Gb/s	ST33000650SS	F901	3TB	3.5"	7200
Seagate	SAS	6Gb/s	ST9450404SS	0004	450GB	2.5"	10K
Seagate	SAS	6Gb/s	ST31000424SS	0004	1TB	3.5"	7200
Seagate	SAS	6Gb/s	ST3500414SS	0004	500GB	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	ST9146852SS	B623	146GB	2.5"	15K
Seagate	SAS	6Gb/s	ST3300657SS	0006	300GB	3.5"	15K
Seagate	SAS	6Gb/s	ST3450857SS	0005	450GB	3.5"	15K
Seagate	SAS	6Gb/s	ST9146803SS	0002	146GB	2.5"	15K
Seagate	SAS	6Gb/s	ST9146803SS	B235	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9146703SS	FT00	136GB	2.5"	SED
Seagate	SAS	6Gb/s	ST9146803SS	004	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9146802SS	MSB0	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9300603SS	B248	300GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9500430SS	0001	500GB	2.5"	7200
Seagate	SAS	6Gb/s	ST9146703SS	MSB3	147GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9146802SS	MSB03	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9146802SS	207	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9146803SS	ER60	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST32000444SS	0004	2TB	3.5"	7200
Seagate	SAS	6Gb/s	ST973352SS	0002	73GB	2.5"	SED
Seagate	SAS	6Gb/s	ST3600002SS	ER60	600GB	3.5"	10K
Seagate	SAS	6Gb/s	ST336754SS	0004	146GB	2.5"	10K
Seagate	SAS	6Gb/s	ST9300503SS	FT00	300GB	2.5"	SED
Seagate	SAS	6Gb/s	ST3450802SS	0004	450GB	3.5"	10K
Seagate	SAS	3Gb/s	ST973402SS	MSB0	73GB	2.5"	10K
Seagate	SAS	3Gb/s	ST373455SS	00013LQ03M3L	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST973401SS	S108	73GB	2.5"	10K
Seagate	SAS	3Gb/s	ST336754SS	0003	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	0002	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST936701SS	00023	36GB	2.5"	10K
Seagate	SAS	3Gb/s	ST336754SS	S4123KQ0ST37	36GB	2.5"	15K
Seagate	SAS	3Gb/s	ST973401SS	0002	73GB	2.5"	10K
Seagate	SAS	3Gb/s	ST973402SS	207	73GB	2.5"	10K
Seagate	SAS	3Gb/s	ST973402SS	MS003	73GB	2.5"	10K
Seagate	SAS	3Gb/s	ST3146756SS	D3C7	146GB	3.5"	SED
Seagate	SAS	3Gb/s	ST3450056SS	D3C7	450GB	3.5"	SED
Seagate	SAS	3Gb/s	ST336754SS	23	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	S410	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	S4103KQ1SEDX	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	S4123KQ1TLFW	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	1501	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	1502	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	23	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	S412	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	S410	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	0003	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	MS02	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	0002	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	S4123KN01YAD	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	S410	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	0003	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	0002	146GB	3.5"	15K

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Seagate	SAS	3Gb/s	ST3146854SS	1503	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373454SS	1503	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	33	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	23	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	S412	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373455SS	S527	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	MS04	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146855SS	S527	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3300056SS	081C	300G	3.5"	15K
Seagate	SAS	3Gb/s	ST973401LSUN72G	0556	72G	3.5"	10K
Seagate	SAS	3Gb/s	ST3146356SS	0004	147GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373455SS	0002	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	S412	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST373455SS	0002	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	0002	36GB	3.5"	15K
Seagate	SATA	6Gb/s	ST33000651NS	ZZZZ	3TB	3.5"	7200
Seagate	SATA	6Gb/s	ST32000646NS	ZZZZ	2TB	3.5"	SED
Seagate	SATA	6Gb/s	ST33000650NS	0001	3TB	3.5"	7200
Seagate	SATA	6Gb/s	ST32000645NS	0001	2TB	3.5"	7200
Seagate	SATA	6Gb/s	ST2000NM0011	SN03	2TB	3.5"	7200
Seagate	SATA	6Gb/s	ST1000NM0011	SN03	1TB	3.5"	7200
Seagate	SATA	6Gb/s	ST500NM0011	SN03	500GB	3.5"	7200
Seagate	SATA	6Gb/s	ST33000650NS	ZZA6	3TB	3.5"	7200
Seagate	SATA	6Gb/s	ST3500410AS	ZZATZZZZ	500GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3250824AS	H	250GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3500641NS	S	500GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3750640NS	D	750GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3750640NS	3QD1	750GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3750840NS	E	750GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3160827AS	0003	160GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3250620NS	3.AEE	250GB	3.5"	7200
Seagate	SATA	3Gb/s	ST31000340NS	SN03/SN06	1TB	3.5"	7200
Seagate	SATA	3Gb/s	ST3160815AS	3.AAD	160GB	3.5"	7200
Seagate	SATA	3Gb/s	ST31000333AS	CC1F	1TB	3.5"	7200
Seagate	SATA	3Gb/s	ST3750840AS	3.AAD	750GB	3.5"	7200
Seagate	SATA	3Gb/s	ST9500530NS	SN02	500GB	2.5"	7200
Seagate	SATA	3Gb/s	ST980825AS	3.04	80GB	2.5"	7200
Seagate	SATA	3Gb/s	ST3250620NS	20.06C07	250GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3250620NS	3.AEJ	250GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3250620NS	E	250GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3750640NS	.AEP	750GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3500630NS	W	500GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3500641AS	E	500GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3500320NS	SN05	500GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3160827AS	3.42	160GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3500641AS	A002	500GB	3.5"	7200
Seagate	SATA	3Gb/s	ST380815AS	C002	808GB	3.5"	7200
Seagate	SATA	3Gb/s	ST31000340NS	SN06/SU09/SU0 D	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"	7200
Seagate	SAS	3Gb/s	ST373455SS	S513	73GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	S400	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST314854SS	0004	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST936751SS	F401	36GB	2.5"	15K
Seagate	SAS	3Gb/s	ST3146854SS	1503	146GB	3.5"	15K
Seagate	SAS	3Gb/s	ST336754SS	S412	36GB	3.5"	15K
Seagate	SAS	3Gb/s	ST3300555SS	MSB0	300GB	3.5"	15K

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Seagate	SAS	3Gb/s	ST31000640SS	E319	1TB	3.5"	7200
Seagate	SAS	3Gb/s	ST936701SS	0002	36GB	2.5"	10K
Seagate	SAS	3Gb/s	ST3300655SS	0001	300GB	3.5"	15K
Seagate	SATA	3Gb/s	ST3250824AS	3.AAH	250GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3808110AS	3AAH	80GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3160815AS	D	160GB	3.5"	7200
Seagate	SATA	3Gb/s	ST3200540AS	CC83	2TB	3.5"	4K Media
Western Digital	SAS	6Gb/s	WD9001BKHG	SR02	900GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD6001BKHG	SR02	600GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD4501BKHG	SR02	450GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD3001BKHG	SR02	300GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD9001BKHG	RG00	146GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD3000BKFG-02P2V0	RG00	300GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD6000BKHG	VG03	600GB	2.5"	10K
Western Digital	SAS	6Gb/s	WD4500BKHG	VG03	450GB	2.5"	10K
Western Digital	SATA	6Gb/s	WD6000HLHX	5G04	600GB	3.5"	10K
Western Digital	SATA	6Gb/s	WD4500HLHX	5G04	450GB	3.5"	10K
Western Digital	SATA	6Gb/s	WD3000HLHX	5G04	300GB	3.5"	10K
Western Digital	SATA	6Gb/s	WD1500HLHX	5G04	150GB	3.5"	10K
Western Digital	SATA	6Gb/s	WD1003FBYX-01Y7B0	1V01	1TB	3.5"	7200
Western Digital	SATA	6Gb/s	WD6000BLHX	5G04	600GB	2.5"	10K
Western Digital	SATA	6Gb/s	WD6000BLHX	5G04	600GB	2.5"	10K
Western Digital	SATA	6Gb/s	WD4500BLHX	5G04	450GB	2.5"	10K
Western Digital	SATA	6Gb/s	WD3000BLHX	5G04	300GB	2.5"	10K
Western Digital	SATA	6Gb/s	WD1500BLHX	5G04	150GB	2.5"	10K
Western Digital	SATA	6Gb/s	WD5003ABYX-01WERA0	1S01	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD2002FYPS-02W3B0	1G01	2TB	3.5"	5400
Western Digital	SATA	3Gb/s	WD2003FYYS-0	0D01	2TB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1503FYYS-0	0D01	1.5TB	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	WD5000ABPS-01ZZB0	1B01	500GB	3.5"	5400
Western Digital	SATA	3Gb/s	WD1600YS	6C04	160GB	3.5"	7200



Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Western Digital	SATA	3Gb/s	WD2000		200GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD2500YS-18S	6C07	250GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD2500YS-23S	6C04	250GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD500YS	2/E07	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD2500YS	WCAN	250GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1000FYPS-01ZKB0	1B01	1TB	3.5"	7200
Western Digital	SATA	3Gb/s	WD5001ABYS-01TNA0	1B01	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD5000YS-01M	2E07	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD5002ABYS-01B1B0	3B03	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD3000HLFS-0	4V01	300GB	3.5"	10K
Western Digital	SATA	3Gb/s	WD1002FBYS-0	0C05	1TB	3.5"	7200
Western Digital	SATA	3Gb/s	WD3202ABYS	3B03	320GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD5000ABYS-0	1C01	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1600AABS	6H05	600GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD800JD	1E01	80GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1200JS	1C03	120GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD740GD-00FL	8F33	740GB	3.5"	10K
Western Digital	SATA	3Gb/s	WD1600JS-00M	1C03	160GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD4000YR	6A01	400GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD2500JS	1C03	250GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD4000YD-00K	6G11	400GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD4000YD-00K	6A01	400GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD5000KS	2E06	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD7500AY	4G30	750GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD7500AAKS-0	4G30	750GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1003FBYX	1S01	1TB	3.5"	7200
Western Digital	SATA	3Gb/s	WD5003ABYX	1V01	500GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1600AAJS	6H05	160GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1600JS-75NCB3	2E04	160GB	3.5"	7200
Western Digital	SATA	3Gb/s	WD1600JS	6C04	160GB	3.5"	7200

Manufacture	Type	Speed	Model	FW Version	Capacity	Size	RPM
Toshiba	SAS	6Gb/s	MBF2600RE	0101	600GB	2.5"	10K- SED
Toshiba	SAS	6Gb/s	MBF2450RE	0101	450GB	2.5"	10K- SED
Toshiba	SAS	6Gb/s	MBF2300RE	0101	300GB	2.5"	10K- SED
Toshiba	SAS	6Gb/s	MBF2600RC	0107	600GB	2.5"	10K
Toshiba	SAS	6Gb/s	MBF2600RC	0107	600GB	2.5"	10K
Toshiba	SAS	6Gb/s	MBF2600RC	0107	600GB	2.5"	10K
Toshiba	SAS	6Gb/s	MK2001TRKB	0105	2TB	3.5"	7200
Toshiba	SAS	6Gb/s	MK1001TRKB	0105	1TB	3.5"	7200
Toshiba	SAS	6Gb/s	MK3001GRRB	0102	300GB	2.5"	15K
Toshiba	SAS	6Gb/s	MK1401GRRB	0102	145GB	2.5"	15K
Toshiba	SATA	3Gb/s	MK5061GSYB	ME0A	500GB	2.5"	7200
Toshiba	SATA	3Gb/s	MK2561GSYB	ME0A	250GB	2.5"	7200
Toshiba	SATA	3Gb/s	MK1661GSYB	ME0A	160GB	2.5"	7200
Toshiba	SATA	3Gb/s	MK8061GSYB	ME0A	80GB	2.5"	7200
Toshiba	SATA	3Gb/s	MK2002TSKB	MT1A	2TB	3.5"	7200
Toshiba	SATA	3Gb/s	MK1002TSKB	MT2A	1TB	3.5"	7200