

# Intel® RAID Controller RT3WB080

Tested Hardware and Operating System List (THOL)

**Revision 6.1** 

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**Enterprise Platforms and Services Division** 

# Revision History

Date	Revision Number	Modifications		
December, 2010	1.0	Initial release		
March, 2011	2.0	Updated following:		
		Firmware configuration		
		Operating systems		
		<ul> <li>Hard disk drives and solid state drives</li> </ul>		
August, 2011	3.0	Updated following:		
		Firmware configuration		
		Operating systems		
		<ul> <li>Enclosures, PCI Adapters, and Peripherals</li> </ul>		
		<ul> <li>Hard disk drives and solid state drives</li> </ul>		
March, 2012	4.0	Updated following:		
		Firmware configuration		
		Operating systems		
		Supported Server Boards		
		<ul> <li>Hard disk drives and solid state drives</li> </ul>		
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		Firmware configuration		
		Operating systems		
		Supported Server Boards		
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		Operating systems		
		<ul> <li>Hard disk drives and solid state drives</li> </ul>		
December, 2012	6.1	Updated following:		
		Hard disk drives and solid state drives		

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### 1. Introduction

This document provides users of the Intel<sup>®</sup> RAID Controller RT3WB080 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<sup>®</sup> 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<sup>®</sup> server boards, Intel<sup>®</sup> 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<sup>®</sup> RAID Controller RT3WB080 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 RT3WB080 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	RT3WB080	911121	12.9.0-0046
2	RT3WB080	911121	12.12.0-0036
3	RT3WB080	911121	Ver.2.120.63-1242
4	RT3WB080	911121	Ver.2.130.03-1332
5	RT3WB080	911121	Ver.2.130.293-1580

## 3. Operating Systems

The following table provides a list of supported operating systems for the Intel<sup>®</sup> RAID Controller RT3WB080. Each operating system was tested for compatibility with Intel<sup>®</sup> RAID Controller RT3WB080 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<sup>®</sup> RAID Controller RT3WB080, 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<sup>®</sup> Server Boards only.

Ident#	Operating System (with latest Service Package or Update Package)	Base System Configuration Tested - Type of Testing
1	Microsoft Windows 2003*	Configuration 1,2,3,4,5 – Compatibility and Stress
2	Microsoft Windows 2003*, x64	Configuration 1,2,3,4,5 – Compatibility and Stress
3	Microsoft Windows XP*	Configuration 1,4,5 – Compatibility only
4	Microsoft Windows XP*, x64	Configuration 1,4,5 – Compatibility only
5	Microsoft Windows Vista*	Configuration 1,2,3,4,5 – Compatibility and Stress
6	Microsoft Windows Vista*, x64	Configuration 1,2,3,4,5 – Compatibility and Stress
7	Microsoft Windows 2008*	Configuration 1,2,3,4,5 – Compatibility and Stress
8	Microsoft Windows 2008*, x64	Configuration 1,2,3,4,5 – Compatibility and Stress
9	Microsoft Windows 2008 R2*, x64	Configuration 1,2,3,4,5 – Compatibility and Stress
10	Microsoft Windows 7*	Configuration 1,2,3,4,5 – Compatibility and Stress
11	Microsoft Windows 7*, x64	Configuration 1,2,3,4,5 – Compatibility and Stress
12	Microsoft Windows 8*	Configuration 5 – Compatibility and Stress
13	Microsoft Windows 8*, x64	Configuration 5 – Compatibility and Stress
14	Microsoft Windows Server 2012, x64	Configuration 5 – Compatibility and Stress
15	Red Hat* Enterprise Linux ES 4.0	Configuration 1,2,3,4,5 – Compatibility and Stress
16	Red Hat* Enterprise Linux ES 4.0, x86_64	Configuration 1,2,3,4,5 – Compatibility and Stress
17	Red Hat* Enterprise Linux ES 5.0	Configuration 1,2,3,4,5 – Compatibility and Stress
18	Red Hat* Enterprise Linux ES 5.0, x86_64	Configuration 1,2,3,4,5 – Compatibility and Stress
19	Red Hat* Enterprise Linux ES 6.0	Configuration 1,2,3,4,5 – Compatibility and Stress
20	Red Hat* Enterprise Linux ES 6.0, x86_64	Configuration 1,2,3,4,5 – Compatibility and Stress

Ident#	Operating System (with latest Service Package or Update Package)	Base System Configuration Tested - Type of Testing
21	SuSE* Linux Enterprise Server 10.0	Configuration 1,2,3,4,5 – Compatibility and Stress
22	SuSE* Linux Enterprise Server 10.0, x86_64	Configuration 1,2,3,4,5 – Compatibility and Stress
23	SuSE* Linux Enterprise Server 11.0	Configuration 1,2,3,4,5 – Compatibility and Stress
24	SuSE* Linux Enterprise Server 11.0 x86_64	Configuration 1,2,3,4,5 – Compatibility and Stress
25	VMware* ESXi 4.1	Configuration 1,2,3,4,5 – Compatibility and Stress
26	VMware* ESXi 5.0	Configuration 4,5 – Compatibility and Stress

### 3.1 Operating System Certifications

The following table lists the operating systems that Intel will certify with the Intel<sup>®</sup> RAID Controller RT3WB080. 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, precertification, 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 RT3WB080	OEM must request certification by Microsoft for their specific product.  http://www.microsoft.com/whdc/hcl/default.mspxhttp://developer.intel .com/design/servers/whql.htm
Microsoft Windows 2008 Enterprise Server*	Intel® RAID Controller RT3WB080	OEM must request certification by Microsoft for their specific product.  http://www.microsoft.com/whdc/hcl/default.mspx
Microsoft Windows 2008 R2 Enterprise Server*	Intel® RAID Controller RT3WB080	OEM must request certification by Microsoft for their specific product.  http://www.microsoft.com/whdc/hcl/default.mspx
Microsoft Windows XP Enterprise Server*	Intel <sup>®</sup> RAID Controller RT3WB080	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/whdc/hcl/default.mspx">http://www.microsoft.com/whdc/hcl/default.mspx</a>
Microsoft Windows Vista Enterprise Server*	Intel® RAID Controller RT3WB080	OEM must request certification by Microsoft for their specific product.  http://www.microsoft.com/whdc/hcl/default.mspx
Microsoft Windows 7 Enterprise Server*	Intel <sup>®</sup> RAID Controller RT3WB080	OEM must request certification by Microsoft for their specific product.  http://www.microsoft.com/whdc/hcl/default.mspx
Microsoft Windows 8 Enterprise Server*	Intel <sup>®</sup> RAID Controller RT3WB080	OEM must request certification by Microsoft for their specific product.  http://www.microsoft.com/whdc/hcl/default.mspx

Microsoft	Intel <sup>®</sup> RAID	OEM must request certification by Microsoft for their specific product.
Windows 2012	Controller RT3WB080	http://www.microsoft.com/whdc/hcl/default.mspx
Enterprise	KISWBUOU	
Server*		

# 4. Supported Server Boards

#### 4.1 Intel® Server Boards

Below list includes the Intel<sup>®</sup> Server Board software versions that the server boards 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
S5500BC	R0061	R0060	22	2.18
S5520HC / S5500HCV / S5520SC	R0061	R0060	30	2.18
S3420GP	R0051	R0125	22	2.15

### 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<sup>®</sup> RAID Controller RT3WB080 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: <a href="http://serverconfigurator.intel.com/default.aspx">http://serverconfigurator.intel.com/default.aspx</a>.

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 Internal Storage

**Note:** The enclosures are listed only if they were attached to the Intel<sup>®</sup> RAID Controller RT3WB080 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<sup>®</sup> RAID Controller RT3WB080.

Manufacturer	Model Name	Model Number	Interface	Comments
Intel	Intel® Backplane AXX6DRV3GEXP	AXX6DRV3GEXP	SAS/SATA	3Gb/s only
Intel	Intel® Backplane AXX6DRV3GR	AXX6DRV3GR	SAS/SATA	Up to 6Gb/s
Intel	Intel® Backplane AXX6DRV3G	AXX6DRV3G	SAS/SATA	3Gb/s only
Intel	Intel® Backplane AXX4DRV3GEXP	AXX4DRV3GEXP	SAS/SATA	3Gb/s only

Intel	Intel® Backplane AXX4DRV3GR	AXX4DRV3GR	SAS/SATA	Up to 6Gb/s
Intel	Intel® Backplane AXX4DRV3G	AXX4DRV3G	SAS/SATA	3Gb/s only
Intel	Intel <sup>®</sup> Backplane FSR1550SAS	Intel <sup>®</sup> Backplane FSR1550SAS	SAS/SATA	Only works with Intel® Passive Midplane FALPASMP under 3Gb/s mode
Intel	Intel® Backplane FSR2500SASBP	Intel <sup>®</sup> Backplane FSR2500SASBP	SAS/SATA	Only works with Intel® Passive Midplane FALPASMP under 3Gb/s mode
Intel	Intel® Backplane ASR1500PASBP	ASR1500PASBP	SAS/SATA	Up to 6Gb/s
Intel	Intel® Backplane FHW4U2SASBP	FHW4U2SASBP	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> Passive Midplane FRUPASMP	FRUPASMP	SAS/SATA	Up to 6Gb/s
Intel	Intel® integrated server system	SR1625URR	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> integrated server system	SR2600URBRPR	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> integrated server system	SR2625URBRPR	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> integrated server system	SR2600URSATAR	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> integrated server system	SR1625URRNA	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> 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	SR2600URSATARNA	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> Backplane F2U8X35HSBP	F2U8X35HSBP	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> Backplane F2U12X35HSBP	F2U12X35HSBP	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> Backplane F1U8X25HSBP	F1U8X25HSBP	SAS/SATA	Up to 6Gb/s
Intel	Intel <sup>®</sup> Backplane FXX8X25HSBP	FXX8X25HSBP	SAS/SATA	Up to 6Gb/s
Intel	Intel® Backplane FUP8X35HSBP	FUP8X35HSBP	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	SAS2-216EL1	SAS2-216EL1	SAS/SATA	Up to 6Gb/s
SuperMicro	SAS2-216EL2	SAS2-216EL2	SAS/SATA	Up to 6Gb/s

## 5.2 Tape and Optical Drives

**Note:** The tape and optical drives are listed only if they were attached to this Intel<sup>®</sup> RAID Controller RT3WB080 during testing.

Manufacturer	Model Name	Model Number	Interface
Sony*	SDX-570V	SDX-570V	3G SATA Tape
HL Data Storage	GDR-H20N	GDR-H20N	SATA DVD-ROM
HL Data Storage*	GDR-8164B	GDR-8164B	SATA DVD-ROM
TANDBERG*	3504-LTO	LTO-4 HH	6G SAS Tape
HP StorageWorks*	EH958A	LTO-5	6G SAS Tape
QUANTUM*	TC-L32BN	LTO-3 HH	3G SAS Tape
	CD72SH	DAT 72	3G SATA Tape

### 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 RT3WB080 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 RT3WB080, use the Server Configurator tool available at: <a href="http://serverconfigurator.intel.com/default.aspx">http://serverconfigurator.intel.com/default.aspx</a>.

**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<sup>®</sup> RAID Controller RT3WB080 during testing.

**Note:** To select hard drives for Intel<sup>®</sup> Server Chassis and Intel<sup>®</sup> Server System, please use the Server Configurator tool available at: <a href="http://serverconfigurator.intel.com/default.aspx">http://serverconfigurator.intel.com/default.aspx</a>.

#### **Solid State Drive List:**

Manufacture	Туре	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"
Intel	SATA	6Gb/s	DC S3700 Series, SSDSC2BA100G3	5DV10250	100GB	2.5"
Intel	SATA	6Gb/s	DC S3700 Series, SSDSC2BA200G3	5DV10250	200GB	2.5"
Intel	SATA	6Gb/s	DC S3700 Series, SSDSC2BA400G3	5DV10250	400GB	2.5"
Intel	SATA	6Gb/s	DC S3700 Series, SSDSC2BA800G3	5DV10250	800GB	2.5"
Intel	SATA	6Gb/s	520series, SSDSC2BW060A3	400i	60GB	2.5"
Intel	SATA	6Gb/s	520series, SSDSC2BW120A3	400i	120GB	2.5"
Intel	SATA	6Gb/s	520series, SSDSC2BW180A3	400i	180GB	2.5"
Intel	SATA	6Gb/s	520series, SSDSC2BW240A3	400i	240GB	2.5"
Intel	SATA	6Gb/s	520series, SSDSC2BW480A3	400i	480GB	2.5"
Intel	SATA	6Gb/s	510series, SSDSC2MH250A2xx	PWG4	250GB	2.5"
Intel	SATA	6Gb/s	510series, SSDSC2MH120A2xx	PPG4	120GB	2.5"

Manufacture	Туре	Speed	Model	FW version	Capacity	Size
Intel	SATA	3Gb/s	320series, SSDSA2BW80G3	4PC10362	80GB	2.5"
Intel	SATA	3Gb/s	320series, SSDSA2BW120G3	4PC10362	120GB	2.5"
Intel	SATA	3Gb/s	320series, SSDSA2BW160G3	4PC10362	160GB	2.5"
Intel	SATA	3Gb/s	320series, SSDSA2BW300G3	4PC10362	300GB	2.5"
Intel	SATA	3Gb/s	320series, SSDSA2BW600G3	4PC10362	600GB	2.5"
Intel	SATA	3Gb/s	710series, SSDSA2BZ100G3	6PB10362	200GB	2.5"
Intel	SATA	3Gb/s	710series, SSDSA2BZ200G3	6PB10362	200GB	2.5"
Intel	SATA	3Gb/s	710series, 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	0350	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	6Gb/s	SE100S37/100GB	BBF0	100GB	2.5"
KINGSTON	SATA	6Gb/s	SE100S37/200GB	BBF0	200GB	2.5"
KINGSTON	SATA	6Gb/s	SE100S37/400GB	BBF0	400GB	2.5"
KINGSTON	SATA	3Gb/s	SVP100S2/64GB	0202	64GB	2.5"
KINGSTON	SATA	3Gb/s	SVP100S2/96GB	0202	96GB	2.5"
KINGSTON	SATA	3Gb/s	SVP100S2/128GB	0202	128GB	2.5"
KINGSTON	SATA	3Gb/s	SVP100S2/256GB	0202	256GB	2.5"
KINGSTON	SATA	3Gb/s	SVP100S2/512GB	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	128GB	2.5"
Micron	SATA	6Gb/s	MTFDDA C256MAM-1J1	0001	256GB	2.5"
Micron	SATA	6Gb/s	MTFDDA C512MAM-1J1	0001	512GB	2.5"
OCZ						
Technology	SATA	6Gb/s	AGT3-25SAT3-120G	2.15	129GB	2.5"
OCZ	0.7.	201 /	DOCCTIVE (MACA CASC	0.00	40000	0.5"
Technology	SATA	6Gb/s	D2CSTK251M21-0120	2.22	120GB	2.5"
OCZ	0.4.7.4	00-/-	ITPOOTE 005M0000	4.55	04000	0.5"
Technology	SATA	3Gb/s	ITDCSTE025M2002	1.5E	240GB	2.5"
OCZ	CATA	6Ch/a	D2CSTK251M11012	2.00	120CB	2.5"
Technology	SATA	6Gb/s	D2C51K251W111012	2.08	120GB	2.5
OCZ	CVTV	6Ch/2	Vertex 3 VTX3-25SAT3-120G	2.00	120CB	2.5"
Technology	SATA	6Gb/s	vertex 3 v i A3-235A13-120G	2.08	120GB	2.5"
PATRIOT	SATA	6Gb/s	WFW120GS255DR	320ABBF0	120GB	2.5"
MEMORY	JATA	000/8	VVI VV 120G3233DK	JZUADDEU	12000	2.0
PATRIOT	SATA	6Gb/s	WFW240GS255DR	320ABBF0	240GB	2.5"
MEMORY	JATA	000/8	VVI VVZ40GGZGGDK	JZUADDEU	24000	2.0
PATRIOT	SATA	6Gb/s	WFW480GS255DR	320ABBF0	480GB	2.5"
MEMORY	JAIA	000/3	VVI VV 100G0230DIX	020ADDI 0	70000	2.0
PATRIOT	SATA	3Gb/s	PatriotTorqx12	1881	120GB	2.5"
MEMORY			'			
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"

Manufacture	Туре	Speed	Model	FW version	Capacity	Size
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	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"
Unigen	SATA	3Gb/s	UGB88PGB100HB1-ES	RC Rev1	100GB	2.5"
Unigen	SATA	3Gb/s	UGB88APT128HS3	1916	128GB	2.5"

#### **Hard Disk Drive List:**

Manufacture	Туре	Speed	Model	FW version	Capacity	Size	RPM
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	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	HDS725050KLA360	ABOA	500GB	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

Manufacture	Туре	Speed	Model	FW version	Capacity	Size	RPM
Hitachi	SATA	3Gb/s	HDS722020ALA330	A20N	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	H7220AA30SUN20T	A2DZ	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	HUA72202ALA330	A00U	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDS72202ALA330	A20N	2TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT72010SLA360	A3AA	1TB	3.5"	7200
Hitachi	SATA	3Gb/s	HDE721050SLA330	GM40	500GB	3.5"	7200
Hitachi	SATA	3Gb/s	HDT721010SLA360	A3AA	1TB	3.5"	7200
Maxtor	SATA	3Gb/s	6B300S0	1980	300GB	3.5"	7200
Samsung	SATA	3Gb/s	SP2504C	0-33	250GB	3.5"	
Samsung	SATA	3Gb/s	HE103UJ	1111	1TB	3.5"	7200
Samsung	SATA	3Gb/s	HE103UJ	1113	1TB	3.5"	7200
Samsung	SATA	3Gb/s	HD204UI	1101	2TB	3.5"	5400
Seagate	SATA	6Gb/s	ST32000646SS	002	2TB	3.5"	SED
Seagate	SATA	6Gb/s	ST33000651NS	ZZZZ	3TB	3.5"	SED
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	Н	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	Е	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	SATA	3Gb/s	ST380013AS	3.18	80GB	3.5"	7200
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 4K
Seagate	SATA	3Gb/s	ST3200540AS	CC83	2TB	3.5"	Media
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

Manufacture	Туре	Speed	Model	FW version	Capacity	Size	RPM
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	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
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
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