



# **Intel® SAS Controller RS25GB008**

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

**Revision 5.2**

**May, 2013**

**Enterprise Platforms and Services Division**

## *Revision History*

| Date          | Revision Number | Modifications  |
|---------------|-----------------|--|
| July 2011     | 1.0             | Initial release  |
| January 2012  | 2.0             | Updated below sections <ul style="list-style-type: none"> <li>- Firmware Configuration</li> <li>- Operating Systems</li> <li>- Supported Server Boards</li> <li>- Enclosures, PCI Adapters, and Peripherals</li> </ul> |
| March 2012    | 3.0             | Updated below sections <ul style="list-style-type: none"> <li>- Firmware Configuration</li> <li>- Operating Systems</li> <li>- Supported Server Boards</li> <li>- Hard Disk Drivers and Solid State Drives</li> </ul>  |
| July 2012     | 4.0             | Updated below sections <ul style="list-style-type: none"> <li>- Firmware Configuration</li> <li>- Operating Systems</li> <li>- Supported Server Boards</li> <li>- Hard Disk Drivers and Solid State Drives</li> </ul>  |
| October 2012  | 5.0             | Updated below sections <ul style="list-style-type: none"> <li>- Operating Systems</li> <li>- Hard Disk Drivers and Solid State Drives</li> </ul>   |
| December 2012 | 5.1             | Updated below sections <ul style="list-style-type: none"> <li>- Hard Disk Drivers and Solid State Drives</li> </ul>  |
| May 2013      | 5.2             | Updated below sections <ul style="list-style-type: none"> <li>- Hard Disk Drivers and Solid State Drives</li> <li>- Supported Server Boards</li> </ul>   |

## *Disclaimers*

THE INFORMATION IN THIS DOCUMENT IS PROVIDED “AS IS” WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION, OR SAMPLE.

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications.

Intel retains the right to make changes to its test specifications at any time, without notice.

---

The hardware vendor remains solely responsible for the design, sale and functionality of its product, including any liability arising from product infringement or product warranty.

Copyright © Intel Corporation 2013. All rights reserved.

Intel and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

# Table of Contents

|   |           |
|---|-----------|
| <b>1. Introduction</b>                                      | <b>1</b>  |
| 1.1 Test Overview   | 1         |
| 1.1.1 Basic Compatibility Testing                           | 1         |
| 1.1.2 Adapter / Peripheral Compatibility and Stress Testing | 2         |
| 1.2 Pass/Fail Test Criteria                                 | 3         |
| <b>2. Firmware Configurations</b>                           | <b>4</b>  |
| <b>3. Operating Systems</b>                                 | <b>5</b>  |
| 3.1 Operating System Certifications                         | 6         |
| <b>4. Supported Server Boards</b>                           | <b>7</b>  |
| 4.1 Intel® Server Boards                                    | 7         |
| 4.2 3 <sup>rd</sup> Party Server Boards                     | 7         |
| <b>5. Enclosures, PCI Adapters, and Peripherals</b>         | <b>8</b>  |
| 5.1 External Storage  | 8         |
| 5.2 Internal Storage  | 9         |
| 5.3 Tape and Optical Drives                                 | 10        |
| <b>6. Hard Disk Drives and Solid State Drives</b>           | <b>11</b> |
| 6.1 Hard Disk Drives and Solid State Drives (SSD)           | 11        |

**<This page intentionally left blank.>**



# 1. Introduction

---

This document provides users of the Intel® SAS Controller RS25GB008 with a guide to the operating systems, server boards, chassis, disk drives, and other peripherals that Intel tested for use with this SAS controller.

This document will be updated as additional testing is performed, or until the Intel® SAS 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 SAS controller when it is installed in a system configured with the specified server boards, and when the server board is configured with the tested SAS firmware, system BIOS / firmware, and operating system versions.

This SAS 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 SAS 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® SAS Controller RS25GB008 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 SAS 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® SAS Controller RS25GB008 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 | HWR Revision |
|--------------------------|--------------|-------------|-------------------|--------------|
| 1                        | RS25GB008    | 912866      | Initial release   |              |
| 2                        | RS25GB008    | 912866      | 11.00.00.00       |              |
| 3                        | RS25GB008    | 912866      | 13.00.57.00       | B0           |

### 3. Operating Systems

The following table provides a list of supported operating systems for the Intel® SAS Controller RS25GB008. Each operating system was tested for compatibility with Intel® SAS Controller RS25GB008 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® SAS Controller RS25GB008, 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 – Compatibility and Stress     |
| 2      | Microsoft Windows 2003* SP2, x64               | Configuration 1,2,3 – Compatibility and Stress     |
| 3      | Microsoft Windows Vista*                       | Configuration 1,2,3 – Compatibility and Stress     |
| 4      | Microsoft Windows Vista*, x64                  | Configuration 1,2,3 – Compatibility and Stress     |
| 5      | Microsoft Windows 2008*                        | Configuration 1,2,3 – Compatibility and Stress     |
| 6      | Microsoft Windows 2008*, x64                   | Configuration 1,2,3 – Compatibility and Stress     |
| 7      | Microsoft Windows 2008 R2*, x64                | Configuration 1,2,3 – Compatibility and Stress     |
| 8      | Microsoft Windows 7*                           | Configuration 1,2,3 – Compatibility and Stress     |
| 9      | Microsoft Windows 7*, x64                      | Configuration 1,2,3 – Compatibility and Stress     |
| 10     | Microsoft Windows 8*                           | Configuration 3 – Compatibility and Stress         |
| 11     | Microsoft Windows 8*, x64                      | Configuration 3 – Compatibility and Stress         |
| 12     | Microsoft Windows Server 2012, x64             | Configuration 3 – Compatibility and Stress         |
| 13     | Red Hat* Enterprise Linux ES 5.0 U7            | Configuration 1,3 – Basic Installation testing     |
| 14     | Red Hat* Enterprise Linux ES 5.0 U7, x86_64    | Configuration 1,3 – Basic Installation testing     |
| 15     | Red Hat* Enterprise Linux ES 6.0 U1            | Configuration 1,2,3 – Compatibility and Stress     |
| 16     | Red Hat* Enterprise Linux ES 6.0 U1, x86_64    | Configuration 1,2,3– Compatibility and Stress      |
| 17     | SuSE* Linux Enterprise Server 10.0 SP4         | Configuration 1,3 – Basic Installation testing     |
| 18     | SuSE* Linux Enterprise Server 10.0 SP4, x86_64 | Configuration 1,3 – Basic Installation testing     |
| 19     | SuSE* Linux Enterprise Server 11.0 SP2         | Configuration 1,2,3 – Compatibility and Stress     |

| Ident# | Operating System                               | Base System Configuration Tested – Type of Testing |
|--------|--|--|
| 20     | SuSE* Linux Enterprise Server 11.0 SP2, x86_64 | Configuration 1,2,3 – Compatibility and Stress     |
| 21     | VMWare ESX Server 4.0                          | Configuration 1,2,3 – Compatibility and Stress     |
| 22     | VMWare ESX Server 4.0, x64                     | Configuration 1,2,3 – Compatibility and Stress     |
| 23     | VMWare ESXi 5.0                                | Configuration 3 – Compatibility and Stress         |
| 24     | NexentaStor™ 3.x                               | Configuration 2,3 – Basic Installation             |

### 3.1 Operating System Certifications

The following table lists the operating systems that Intel will certify with the Intel® SAS Controller RS25GB008. 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® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a> <a href="http://developer.intel.com/design/servers/whql.htm">http://developer.intel.com/design/servers/whql.htm</a> |
| Microsoft Windows 2008 Enterprise Server*    | Intel® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a>   |
| Microsoft Windows 2008 R2 Enterprise Server* | Intel® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a>   |
| Microsoft Windows Vista Enterprise Server*   | Intel® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a>   |
| Microsoft Windows 7 Enterprise Server*       | Intel® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a>   |
| Microsoft Windows 8 Enterprise Server*       | Intel® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a>   |
| Microsoft Windows 2012 Enterprise Server*    | Intel® SAS Controller RS25GB008 | OEM must request certification by Microsoft for their specific product.<br><a href="http://www.microsoft.com/whdc/hcl/default.msp">http://www.microsoft.com/whdc/hcl/default.msp</a>   |

## 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  |
|------------------------------|-------------|-------|---------|------|
| 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 |
| S1200BTL / S1200BTS          | R0037       | 1.14  | 1.14    | N/A  |
| S2600GZ/GL                   | R01.03.0002 | 1.10  |         |      |

### 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® SAS Controller RS25GB008 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

| Manufacturer | Model Name  | Model Number | Interface      |
|--------------|-------------|--------------|----------------|
| DELL         | MD1120      | MD1120       | SAS/SATA 3.0Gb |
| DELL         | MD1000      | MD1000       | SAS/SATA 3.0Gb |
| DELL         | MD1200      | MD1200       | SAS/SATA 6.0Gb |
| DELL         | MD1220      | MD1220       | SAS/SATA 6.0Gb |
| AIC          | X-Stor      | XJ3000-4243  | SAS/SATA 6.0Gb |
| AIC          | X-Stor      | XJ3000-3163  | SAS/SATA 6.0Gb |
| CI Design    | SR212       | SR212        | SAS/SATA 3.0Gb |
| CI Design    | CiNSR316    | CiNSR316     | SAS/SATA 6.0Gb |
| CI Design    | iT4MIS      | iT4MIS       | SAS/SATA 6.0Gb |
| CI Design    | iT8 MiniSAS | iT8 MiniSAS  | SAS/SATA 6.0Gb |
| CI Design    | NSR524      | NSR524       | SAS/SATA 6.0Gb |
| CI Design    | 12-5607-01C | 12-5607-01C  | SAS/SATA 6.0Gb |

| Manufacturer | Model Name        | Model Number      | Interface      |
|--------------|-------------------|-------------------|----------------|
| HP           | MSA60             | MSA60             | SAS/SATA 3.0Gb |
| IBM          | EXP3000           | EXP3000           | SAS/SATA 3.0Gb |
| LSI          | SYM3600-SAS       | SYM3600-SAS       | SAS/SATA 3.0Gb |
| LSI          | 620J              | 620J              | SAS/SATA 6.0Gb |
| LSI          | 630J              | 630J              | SAS/SATA 6.0Gb |
| LSI          | DE1600-SAS        | DE1600-SAS        | SAS/SATA 6.0Gb |
| LSI          | DE5300-SAS        | DE5300-SAS        | SAS/SATA 6.0Gb |
| Chenbro      |                   | RM31616ML         | SAS/SATA 3.0Gb |
| Chenbro      |                   | RM23212ML         | SAS/SATA 3.0Gb |
| Chenbro      |                   | RM41416ML         | SAS/SATA 3.0Gb |
| Chenbro      | Expander          | CK12803           | SAS/SATA 3.0Gb |
| Chenbro      | Expander          | CK13601           | SAS/SATA 3.0Gb |
| Chenbro      | Expander          | CK22803H0C01      | SAS/SATA 6.0Gb |
| Chenbro      | Expander          | CK23601H0C01      | SAS/SATA 6.0Gb |
| Chenbro      |                   | 80H10321516A1     | SAS/SATA 6.0Gb |
| Chenbro      |                   | 80H10331604A0     | SAS/SATA 6.0Gb |
| Promise      | vTrak             | J610S             | SAS/SATA 3.0Gb |
| Promise      | vTrak             | J630S*            | SAS/SATA 6.0Gb |
| Promise      | vTrak             | J830S             | SAS/SATA 6.0Gb |
| SuperMicro   | 836E1             | 836E1             | SAS/SATA 3.0Gb |
| SuperMicro   | CSE-847E16-RJBOD1 | CSE-847E16-RJBOD1 | SAS/SATA 6.0Gb |
| SuperMicro   | SC216E16-R1200UB  | SC216E16-R1200UB  | SAS/SATA 6.0Gb |
| SuperMicro   | SC216E16-R1200LPB | SC216E16-R1200LPB | SAS/SATA 6.0Gb |
| SuperMicro   | SAS836A1          | SAS836A1          | SAS/SATA 6.0Gb |
| SuperMicro   | SC213             | SC213             | SAS/SATA 3.0Gb |
| SuperMicro   | SAS2-216EB        | SAS2-216EB        | SAS/SATA 6.0Gb |
| SuperMicro   | SAS2-216EL2       | SAS2-216EL2       | SAS/SATA 6.0Gb |
| SuperMicro   | SAS 825TQ         | SAS 825TQ         | SAS/SATA 6.0Gb |
| SuperMicro   | SAS 743TQ         | SAS 743TQ         | SAS/SATA 6.0Gb |
| SuperMicro   | BPN-SAS2-216EL1   | BPN-SAS2-216EL1   | SAS/SATA 6.0Gb |
| Xyratex      | OneStor SP-2424   | OneStor SP-2424   | SAS/SATA 6.0Gb |
| Dot Hill     | AssuredSan 3120   | AssuredSan 3120   | SAS/SATA 6.0Gb |
| DataON       | DNS-1600          | DNS-1600          | SAS/SATA 6.0Gb |
| OneStor      | SP1224S           | SP1224S           | SAS/SATA 3.0Gb |
| OneStor      | SP1424S           | SP1424S           | SAS/SATA 3.0Gb |

Note\*: SATA drives Pin11, "Activity LED", may not operate correctly with 5 volts LED connection in 620J.

## 5.2 Internal Storage

None.

## 5.3 Tape and Optical Drives

None.



## 6. Hard Disk Drives and Solid State Drives

The testing of hard disk drives and solid state drives was performed with the Intel® SAS Controller RS25GB008 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® SAS Controller RS25GB008, 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® SAS Controller RS25GB008 during testing.

**Note:** To select hard drives for Intel® Server Chassis and Intel® Server System, please use the Server Configurator tool available at:

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

---

#### Solid State Drives 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" |
| Intel       | SATA | 6Gb/s | S3700 series, SSDSC2BA800G3 | 0250       | 800GB    | 2.5" |
| Intel       | SATA | 6Gb/s | S3700 series, SSDSC2BA400G3 | 0250       | 400GB    | 2.5" |
| Intel       | SATA | 6Gb/s | S3700 series, SSDSC2BA200G3 | 0250       | 200GB    | 2.5" |
| Intel       | SATA | 6Gb/s | S3700 series, SSDSC2BA100G3 | 0250       | 100GB    | 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       | Type | 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" |
| 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 | MTFDDAC256MAM-1K1         | 0001       | 256GB    | 2.5" |
| Micron            | SATA | 6Gb/s | MTFDDAC512MAM-1K1         | 0001       | 512GB    | 2.5" |
| Ocz<br>Technoloyg | SAS  | 6Gb/s | TL2RSAK2GM1X-0200         | 3.00       | 200GB    | 2.5" |
| Ocz<br>Technoloyg | SAS  | 6Gb/s | TL2CSAK2GM1X-0240         | 2.15       | 240GB    | 2.5" |
| Ocz<br>Technoloyg | SATA | 6Gb/s | OCZAGILITY3               | 2.15       | 120GB    | 2.5" |
| Ocz<br>Technoloyg | SATA | 6Gb/s | D2CSTK251M21012           | 2.22       | 120GB    | 2.5" |
| Ocz<br>Technoloyg | SATA | 6Gb/s | D2CSTK251M11-0120         | 2.08       | 120GB    | 2.5" |
| Ocz<br>Technoloyg | SATA | 6Gb/s | Vertex 3 VTX3-25SAT3-120G | 2.08       | 120GB    | 2.5" |
| Ocz<br>Technoloyg | SATA | 3Gb/s | ITDCSTE025M2002           | 1.5E       | 240GB    | 2.5" |
| Patriot Memory    | SATA | 6Gb/s | WFW120GS255DR             | 320ABBF0   | 120GB    | 2.5" |
| Patriot Memory    | SATA | 6Gb/s | WFW240GS255DR             | 320ABBF0   | 240GB    | 2.5" |
| Patriot Memory    | SATA | 6Gb/s | WFW480GS255DR             | 320ABBF0   | 480GB    | 2.5" |
| Patriot Memory    | SATA | 3Gb/s | PatriotTorqx12            | 1881       | 120GB    | 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" |

| Manufacture | Type | Speed   | Model                     | FW version | Capacity | Size |
|-------------|------|---------|---------------------------|------------|----------|------|
| 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" |
| Samsung     | SATA | 6Gb/s   | SM843, MZ7PD480HAGM-000DA | 1W1Q       | 480GB    | 2.5" |
| Samsung     | SATA | 6Gb/s   | SM843, MZ7PD240HAFV-000DA | 1W1Q       | 240GB    | 2.5" |
| Samsung     | SATA | 6Gb/s   | SM843, MZ7PD120HAFV-000DA | 1W1Q       | 120GB    | 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" |
| 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   | ST480FN0021               | B460       | 480GB    | 2.5" |
| Seagate     | SATA | 6Gb/s   | ST400FN0021               | B460       | 400GB    | 2.5" |
| Seagate     | SATA | 6Gb/s   | ST240FN0021               | B460       | 240GB    | 2.5" |
| Seagate     | SATA | 6Gb/s   | ST200FN0021               | B460       | 200GB    | 2.5" |
| Seagate     | SATA | 6Gb/s   | ST120FN0021               | B460       | 120GB    | 2.5" |
| Seagate     | SATA | 6Gb/s   | ST100FN0021               | B460       | 100GB    | 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" |
| 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" |
| 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" |

| Manufacture | Type | Speed | Model            | FW version | Capacity | Size |
|-------------|------|-------|------------------|------------|----------|------|
| Kingston    | SATA | 3Gb/s | SNVP325-S2/256GB | 0201       | 256GB    | 2.5" |
| Kingston    | SATA | 3Gb/s | SNVP325-S2/512GB | 0202       | 512GB    | 2.5" |
| Toshiba     | SAS  | 6Gb/s | MK4001ZB         | 0107       | 400GB    | 2.5" |
| Toshiba     | SAS  | 6Gb/s | MK2001ZB         | 0107       | 200GB    | 2.5" |
| Toshiba     | SAS  | 6Gb/s | MK1001ZB         | 0107       | 100GB    | 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  |
| Hitachi     | SAS  | 6Gb/s | HUC109060CSS601 | b1D0       | 600GB    | 2.5" | 10K  |
| Hitachi     | SAS  | 6Gb/s | HUC109045CSS601 | b1D0       | 450GB    | 2.5" | 10K  |
| Hitachi     | SAS  | 6Gb/s | HUC109030CSS601 | b1D0       | 300GB    | 2.5" | 10K  |
| 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  |

| Manufacture | Type | Speed | Model           | FW version | Capacity | Size | RPM  |
|-------------|------|-------|-----------------|------------|----------|------|------|
| 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 | HUC106060CSS600 | A150       | 600GB    | 2.5" | 10K  |
| Hitachi     | SAS  | 6Gb/s | HUS156030VLS600 | A5D0       | 300GB    | 3.5" | 15K  |
| 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  |
| 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       | 147GB    | 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 | 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 | HUS724040ALA640 | A8B0       | 4TB      | 3.5" | 7200 |
| Hitachi     | SATA | 6Gb/s | HUS724030ALA640 | A8B0       | 3TB      | 3.5" | 7200 |

| Manufacture | Type | Speed | Model           | FW version | Capacity | Size | RPM  |
|-------------|------|-------|-----------------|------------|----------|------|------|
| Hitachi     | SATA | 6Gb/s | HUS724020ALA640 | A8B0       | 2TB      | 3.5" | 7200 |
| 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 | HUA723030ALA640 | A5C0       | 3TB      | 3.5" | 7200 |
| Hitachi     | SATA | 6Gb/s | HUA723020ALA640 | A5C0       | 2TB      | 3.5" | 7200 |
| Hitachi     | SATA | 6Gb/s | HDS723030ALA640 | A5C0       | 3TB      | 3.5" | 7200 |
| Hitachi     | SATA | 6Gb/s | HUA723020ALA640 | A5C0       | 2TB      | 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   | PF20       | 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 | 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 | HDT722716DLA380 | 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 |
| Hitachi     | SATA | 3Gb/s | HDS722020ALA330 | 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 |
| Seagate     | SAS  | 6Gb/s | ST4000NM0043    | 0001       | 4TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST3000NM0043    | 0001       | 3TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST2000NM0043    | 0001       | 2TB      | 3.5" | 7200 |

| Manufacture | Type | Speed | Model        | FW version | Capacity | Size | RPM  |
|-------------|------|-------|--------------|------------|----------|------|------|
| Seagate     | SAS  | 6Gb/s | ST1000NM0043 | 0001       | 1TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST33000651SS | 0002       | 3TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST32000646SS | 0002       | 2TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST4000NM0023 | ZZZZ       | 4TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST3000NM0023 | ZZZZ       | 3TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST2000NM0023 | ZZZZ       | 2TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST1000NM0023 | ZZZZ       | 1TB      | 3.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST900MM0026  | 0001       | 900GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST600MM0026  | 0001       | 600GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST450MM0026  | 0001       | 450GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST300MM0026  | 0001       | 300GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST900MM0006  | A001       | 900GB    | 2.5" | 10K6 |
| Seagate     | SAS  | 6Gb/s | ST600MM0006  | A001       | 600GB    | 2.5" | 10K6 |
| Seagate     | SAS  | 6Gb/s | ST450MM0006  | A001       | 450GB    | 2.5" | 10K6 |
| Seagate     | SAS  | 6Gb/s | ST300MM0006  | A001       | 300GB    | 2.5" | 10K6 |
| Seagate     | SAS  | 6Gb/s | ST9900805SS  | 0004       | 900GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST9600205SS  | 0004       | 600GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST9450405SS  | 0004       | 450GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST9300605SS  | 0004       | 300GB    | 2.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST91000640SS | 0002       | 1TB      | 2.5" | 7200 |
| Seagate     | SAS  | 6Gb/s | ST9500620SS  | 0002       | 500GB    | 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 |
| 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 | 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  |

| Manufacture | Type | Speed | Model        | FW version   | Capacity | Size | RPM  |
|-------------|------|-------|--------------|--------------|----------|------|------|
| 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 | ST3600002SS  | ER60         | 600GB    | 3.5" | 10K  |
| Seagate     | SAS  | 6Gb/s | ST336754SS   | 0004         | 146GB    | 2.5" | 10K  |
| 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 | 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  |
| 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  |



| Manufacture | Type | Speed | Model              | FW version | Capacity | Size | RPM  |
|-------------|------|-------|--------------------|------------|----------|------|------|
| Seagate     | SAS  | 3Gb/s | ST3300056SS        | 081C       | 300G     | 3.5" | 15K  |
| Seagate     | SAS  | 3Gb/s | ST973401LSUN72G    | 0556       | 72G      | 3.5" | 15K  |
| 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 | ST4000NM0033       | 0001       | 4TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST3000NM0033       | 0001       | 3TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST2000NM0033       | 0001       | 2TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST1000NM0033       | 0001       | 1TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST4000NM0053       | 0001       | 4TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST3000NM0053       | 0001       | 3TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST2000NM0053       | 0001       | 2TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST1000NM0053       | 0001       | 1TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST3000NC000 (512e) | CE02       | 3TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST2000NC000 (512e) | CE02       | 2TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST1000NC000 (512e) | CE02       | 1TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST3000NC002 (512e) | SNZ1       | 3TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST2000NC001 (512e) | SNZ1       | 2TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST1000NC001 (512e) | SNZ1       | 1TB      | 3.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST91000640NS       | SN01       | 1TB      | 2.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST9500620NS        | SN01       | 500GB    | 2.5" | 7200 |
| Seagate     | SATA | 6Gb/s | ST9250610NS        | SN01       | 250GB    | 2.5" | 7200 |
| 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 | ST2000NM0011       | 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 |

| Manufacture     | Type | Speed | Model             | FW version     | Capacity | Size | RPM  |
|-----------------|------|-------|-------------------|----------------|----------|------|------|
| 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/SU0D | 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  |
| 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 |
| Western Digital | SAS  | 6Gb/s | WD4001FYYG        | VR02           | 4TB      | 3.5" | 7200 |
| Western Digital | SAS  | 6Gb/s | WD3001FYYG        | VR02           | 3TB      | 3.5" | 7200 |
| Western Digital | SAS  | 6Gb/s | WD2001FYYG        | VR02           | 2TB      | 3.5" | 7200 |
| Western Digital | SAS  | 6Gb/s | WD1001FYYG        | VR02           | 1TB      | 3.5" | 7200 |
| 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 | 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        | VG03           | 600GB    | 2.5" | 10K  |
| Western Digital | SAS  | 6Gb/s | WD4500BKHG        | VG03           | 450GB    | 2.5" | 10K  |
| Western Digital | SATA | 6Gb/s | WD1000DHTZ (512e) | 04.06A00       | 1TB      | 3.5" | 10K  |
| Western Digital | SATA | 6Gb/s | WD5000HHTZ (512e) | 04.06A00       | 500GB    | 3.5" | 10K  |

| Manufacture     | Type | Speed | Model              | FW version | Capacity | Size | RPM  |
|-----------------|------|-------|--------------------|------------|----------|------|------|
| Western Digital | SATA | 6Gb/s | WD2500HHTZ (512e)  | 04.06A00   | 250GB    | 3.5" | 10K  |
| Western Digital | SATA | 6Gb/s | WD1000CHTZ (512e)  | 04.06A00   | 1TB      | 2.5" | 10K  |
| Western Digital | SATA | 6Gb/s | WD5000BHTZ (512e)  | 04.06A00   | 500GB    | 2.5" | 10K  |
| Western Digital | SATA | 6Gb/s | WD2500BHTZ (512e)  | 04.06A00   | 250GB    | 2.5" | 10K  |
| Western Digital | SATA | 6Gb/s | WD4000FYYZ         | 1K01       | 4TB      | 3.5" | 7200 |
| Western Digital | SATA | 6Gb/s | WD3000FYYZ         | 1K01       | 3TB      | 3.5" | 7200 |
| Western Digital | SATA | 6Gb/s | WD2000FYYZ         | 1K01       | 2TB      | 3.5" | 7200 |
| 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 | 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 |

| Manufacture     | Type | Speed | Model           | FW version | Capacity | Size | RPM  |
|-----------------|------|-------|-----------------|------------|----------|------|------|
| 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         | SAS  | 6Gb/s | MG03SCA100      | 0108       | 1TB      | 3.5" | 7200 |
| Toshiba         | SAS  | 6Gb/s | MG03SCA200      | 0108       | 2TB      | 3.5" | 7200 |
| Toshiba         | SAS  | 6Gb/s | MG03SCA300      | 0108       | 3TB      | 3.5" | 7200 |
| Toshiba         | SAS  | 6Gb/s | MG03SCA400      | 0108       | 4TB      | 3.5" | 7200 |
| Toshiba         | SAS  | 6Gb/s | MBF2600RE       | 0101       | 600GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MBF2450RE       | 0101       | 450GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MBF2300RE       | 0101       | 300GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MK3001GRRB      | 0102       | 300GB    | 2.5" | 15K  |
| Toshiba         | SAS  | 6Gb/s | MK1401GRRB      | 0102       | 147GB    | 2.5" | 15K  |
| Toshiba         | SAS  | 6Gb/s | AL13SEB900      | 0101       | 900GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | AL13SEB600      | 0101       | 600GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | AL13SEB450      | 0101       | 450GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | AL13SEB300      | 0101       | 300GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MBF2600RC       | 0107       | 600GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MBF2450RC       | 0107       | 450GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MBF2300RC       | 0107       | 300GB    | 2.5" | 10K  |
| Toshiba         | SAS  | 6Gb/s | MK2001TRKB      | 0105       | 2TB      | 3.5" | 7200 |
| Toshiba         | SAS  | 6Gb/s | MK1001TRKB      | 0105       | 1TB      | #.5" | 7200 |
| Toshiba         | SATA | 6Gb/s | MG03ACA400      | FL1A       | 4TB      | 3.5" | 7200 |
| Toshiba         | SATA | 6Gb/s | MG03ACA300      | FL1A       | 3TB      | 3.5" | 7200 |
| Toshiba         | SATA | 6Gb/s | MG03ACA200      | FL1A       | 2TB      | 3.5" | 7200 |
| Toshiba         | SATA | 6Gb/s | MG03ACA100      | FL1A       | 1TB      | 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 | MK2001TSKB      | MT1A       | 2TB      | 3.5" | 7200 |
| Toshiba         | SATA | 3Gb/s | MK1001TSKB      | MT2A       | 1TB      | 3.5" | 7200 |