



Intel[®] Server Board SE7501CW2

Tested Hardware and Operating System List

Revision 1.90

November, 2004

Enterprise Platforms and Services Marketing

Revision History

Date	Revision Number	Modifications
March 2003	1.0	Initial Draft
June 2003	1.10	Updated BIOS, added like adapters, added support information on driver support.
July 2003	1.20	Fixed minor spelling changes.
7/1/03	1.30	Updated hard drive information.
August 2003	1.40	Updated driver information on the Promise* FastTrack S150 TX4, and the Adaptec ASC 39320 card.
October 2003	1.50	Updated BIOS, supported Operating System, updated support information on adapters and hard drives
November 2003	1.51	Removed Mitsumi SR244W1 from peripheral list
March 2004	1.60	Updated BIOS, supported Operating System, updated support information on adapters and hard drives (added Mitsumi SR244W1 to peripheral list)
August 2004	1.70	Updated to add Maxtor* Atlas 15K II hard drives
October 2004	1.80	Updated to add Maxtor Atlas 10K V hard drives
November 2004	1.90	Updated to add Hitachi* Ultrastar 10K300 hard drives

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 2003. All rights reserved.

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

*Other names or brands may be claimed as the property of others.

Table of Contents

1. Introduction	1
1.1 Test Overview.....	1
1.1.1 Compatibility Testing	1
1.1.2 Stress Testing.....	2
1.2 Pass/Fail Test Criteria	3
2. Server Board SE7501CW2 Base System Configurations	4
3. Supported Operating Systems.....	5
3.1 Operating System Certifications	6
4. Adapters and Peripherals.....	7
5. Hard Disk Drives.....	16
6. Installation Guidelines	20

1. Introduction

This document is intended to provide users of the Server Board SE7501CW2 with a guide to the different operating systems, adapter cards, and peripherals tested by Intel on this platform.

This document will continue to be updated as new add-in cards, peripherals, and operating systems are tested or until the Server Board SE7501CW2 is no longer in production. Each new release of the document will present updated information as well as continue to provide the information from previous releases.

Intel will only provide support to those add-in cards and peripherals under the specified system configuration (System BIOS) and operating systems and versions to which they were tested.

1.1 Test Overview

Testing performed on the Server Board SE7501CW2 is classified under two separate categories: Compatibility Testing and Stress Testing.

1.1.1 Compatibility Testing

Basic compatibility testing is performed with each supported operating system. Basic compatibility testing validates the server board can be used to install the operating system and that the base hardware feature set is functional. A small set of peripherals is used for installation purposes only. No add-in cards are tested. Testing may include network connectivity and running of proprietary and industry standard test suites.

Extended compatibility testing will occur on only the latest versions of a supported operating system. Extended compatibility testing will test for functionality of a variety of add-in adapters and peripherals. Test applications used will consist of both proprietary as well as industry standard test suites.



The latest version of an operating system signifies the latest supported version at the time of the actual test run. Each new release of this document may have a newly supported release of a given operating system. Previous releases of a supported operating system may not be tested beyond the basic compatibility test process.

1.1.1.1 Basic Intallation

Intel commits to provide the following level of customer support for operating systems that receive **Basic Installation Testing**

- Intel will provide and test operating system drivers for each of the server board's integrated controllers, provided that the controller vendor has a driver available upon request. Vendors will not be requested by Intel 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 support customer issues that involve installation and/or functionality of operating system with the server board's integrated controllers only if a driver has been made available.
- Intel will NOT provide support for issues related to use of any add-in adapters or peripherals installed in the server system when an operating system that received basic installation testing only is in use.

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

1.1.2 Stress Testing

Stress testing is performed only on the most current release of a supported operating system at the time of a given validation run. The stress test process consists of three areas: Base platform, Multiple Adapter, and Endurance.

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.

Multiple Adapters: Multiple adapter validation (MAV) testing uses configurations and test suites to gain an accurate view of how the server performs under varying complex configurations while interacting with network clients. Each configuration is tested for at least 12 hours.

Endurance Test: This test sequence uses configurations that include 2-5 add-in adapters (depending on chassis used) for a minimum 72-hour test run without injecting errors. Three servers operating under Windows* 2000 Advanced Server, Novell NetWare*, and Caldera OpenUnix* are tested in parallel. Each configuration passes an installation test, a Network/Disk Stress test, and tape backup test. Any fatal errors that occur will require a complete test restart.

1.1.2.1 Support Commitment for Adapter / Peripheral Compatibility and Stress Testing

Intel commits to provide the following level of customer support for operating systems that receive Adapter / Peripheral Compatibility and Stress testing:

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

- Support is defined as assistance in root causing issues, and determining a customer acceptable resolution to the issue associated with the operating system. The resolution may include, but is not limited to, on-board controller driver changes, engaging the vendor for resolution, BIOS changes, firmware changes, or determining a customer acceptable workaround for the issue.
- Intel will provide and test operating system drivers for each onboard video, network, and storage controller.
- Intel will enable vendors to provide driver support for add-in adapters using these operating systems.
- Intel will go through some of the steps to achieve certification to ensure its customers do not run across any problems, but the actual certification is the responsibility of the individual customer.



For operating systems, adapter cards, and peripherals not listed in this document, there is no support commitment. Intel will consider support requests 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 may have had particular characteristics that were addressed on a case-by-case basis. In general, a configuration passes testing if the following conditions are met:

- The operating system installed without error.
 - 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 client to server and back compare to the original with zero errors reported.
 - Clients remain connected to the server system.
 - Industry standard test suites run to completion with zero errors reported.

All Server Board SE7501CW2 testing was performed using the Intel® Server Chassis SC5200 BRP, and Intel® Server Chassis SC5250-E chassis. Limited testing of adapters occurred with the Intel® Server Chassis SR1350-E. No specific testing on peripherals has been performed on SC5200 server chassis base version. No specific testing with add-in cards has occurred with the Hot-swap-backplane(HSBP) for SCSI hard-drives in tact.

2. Server Board SE7501CW2 Base System Configurations

The following table lists the base configurations tested. Base configurations will change as new revisions of the Server Board SE7501CW2 is released and/or new system BIOS is cut onto the board in the factory. Each base configuration is assigned an identifier number that is referenced in the tables throughout this document. New base configurations are added with each new release of this document.

Base System Identifier #	Board Type	Part Number	BIOS Revision	Notes
1	SE7501CW2	C30360-001 C26740-302	Ver 1.00	
2	SE7501CW2	C26740-303	Ver 1.03	Supports Intel® Xeon processor Stepping D1 and below.
3	SE7501CW2	C26740-304	Ver 1.06	Supports Intel Xeon processor Stepping M0 and below
4	SE7501CW2	C26740-305	Ver 1.07	Supports Intel Xeon processor Stepping M0 (including XEON 3.2G with 2M L3 Cache) and below

3. Supported Operating Systems

The following table provides a list of supported operating systems for the Server Board SE7501CW2. Each of the listed operating systems was tested for compatibility with a base Server Board SE7501CW2 configuration. Operating system compatibility testing verifies that the operating system will install and function with all on-board devices.

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 vs. Adapter / Peripheral Compatibility and Stress Testing, please reference Section 1 of this document.

Any variations to the standard operating system installation process are documented in the Installation Guidelines section of this document. If there are no installation guidelines noted in the following table, then the operating system installed as expected using manufacturer's installation instructions or Intel's best-known methods.

Operating System	Base System Configuration Tested & Type of Testing	Notes
Microsoft* Windows* Server 2003 Enterprise Edition / Microsoft Windows Small Business Server 2003	Configuration 2 – Compatibility & Stress Configuration 3 – Compatibility & Stress Configuration 4 – Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2003 Enterprise Edition. The Intel Server Board SE7501CW2 supports the operating system portion of Microsoft Windows Small Business Server 2003 only. The application portion is not tested or supported.
Microsoft Windows 2000 Advanced Server, Service Pack 4 / Microsoft Small Business Server 2000	Configuration 1 – Compatibility & Stress Configuration 3 – Compatibility & Stress Configuration 4 – Compatibility & Stress	Intel's testing was completed with Microsoft Windows 2000 Advanced Server. The Intel Server Board SE7501CW2 supports the operating system portion of Microsoft Small Business Server 2000 only. The application portion is not tested or supported.
Red Hat Enterprise Linux* AS 3.0	Configuration 4 – Compatibility & Stress	
Red Hat Linux 9.0 (2.4.20-8)	Configuration 2 – Compatibility & Stress Configuration 3 – Compatibility & Stress	
Red Hat Linux 8.0	Configuration 1 – Compatibility & Stress	
Novell NetWare* 6.5, Support Pack 2	Configuration 4 – Compatibility & Stress	
Novell NetWare 6.0, Support Pack 2	Configuration 1 – Compatibility & Stress Configuration 3 – Compatibility & Stress	
Caldera OpenUnix* 8.0, MP 3	Configuration 1 –	

Operating System	Base System Configuration Tested & Type of Testing	Notes
	Compatibility & Stress	

3.1 Operating System Certifications

Listed below are the operating systems that Intel will certify Server Board SE7501CW2. However, the customer is responsible for their own certification from the individual operating system vendors. In many cases, the customer may leverage their operating system certifications from Intel's testing. See the "Comments" section next to each operating system in the table below 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* 2000 Advanced Server / Microsoft Windows* Server 2003	Intel® SE7501CW2 Server SID#713385	OEM must request certification by Microsoft for their specific product. < http://www.microsoft.com/hwdg/hcl.search.asp > (Search on SE7501CW2) http://developer.intel.com/design/servers/whql.htm
Novell NetWare* 6.0	Intel® SE7501CW2 Server	Novell checks Intel's test results, certifies (if appropriate), and posts the certificate on their web site. Customer can leverage the Intel certification, if customer product meets the operating system vendor standard. < http://developer.novell.com/nss/nss_advanced_search.jsp >
Red Hat Linux 8.0	Intel® SE7501CW2 Server	< http://hardware.redhat.com/hcl/?pagename=hcl >

4. Adapters and Peripherals

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

Note that not all adapter cards were tested under all operating systems. The following notation is used in the tested adapters and peripherals table below to indicate the support level that Intel provides for a particular adapter under a particular operating system:

Number (i.e. 1)	This adapter or peripheral has been tested and is supported under the specific configuration identified in the Base System Configurations Table in Section 2 of this document.
Number in brackets (i.e. [1])	This adapter or peripheral has been tested, but is NOT supported under the specific configuration identified in the Base System Configurations Table in Section 2 of this document.
NT	This adapter or peripheral has not been tested under this operating system and is not supported under this operating system.
ND	This adapter or peripheral has not been tested under this operating system due to limitations in IHV driver availability, and is not supported under this operating system.
SA (Similar Adapter)	This adapter is supported, but not tested. This adapter model has not been tested with this server board, but Intel will support it based on successful testing of a similar adapter from the same adapter family. Intel has high confidence that this adapter will function correctly with the server board. This adapter uses the same firmware and drivers, and has a nearly identical system interface to another adapter of the same family that has been successfully tested with this server board. In addition, Intel has secured IHV commitment to support the similar adapters equally. Customers should always test adapters as part of the final system configuration prior to deployment. All installation guidelines for the tested adapter also apply to the similar adapter.

Any variations to the standard adapter installation process or to expected adapter functionality are documented in the Installation Guidelines section of this document. If there are installation guidelines affecting a particular adapter and operating system combination, these are referenced in the following table. If there are no installation guidelines noted in the following table, then the adapter installed and functioned as expected using manufacturer's installation instructions or Intel's best-known methods.



Testing of adapters cards normally is performed with unused add-in adapters and onboard controller expansion ROMs disabled in 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.

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
Storage Controllers: RAID											
Adaptec	2110S Phantom	ASR-2110S	PCI-64/66	1	1	1	NT	1	1	NT	1
Adaptec	ASR-2200S	2200S	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	NT	1,2,3	4	NT
Intel	SRCU31L	Goodwin	PCI-32/33	1,2	1,2	1,2	4	1	1,2	NT	1
Intel	SRCU32U	Bisbee	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Intel	SRCU42L	Chilito	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
LSI Logic	4932010232A	Elite 1600 (MegaRAID 493)	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	ND
LSI Logic	MegaRAID SCSI 320-2	MegaRAID 320-2	PCI-64/66	1,2	1,2	1,2	4	1	1,2	NT	NT
LSI Logic	Express 500 (MegaRAID 475)	MegaRAID 475	PCI-32/33	1	1	1	NT	1	1	NT	1
3Ware	Escalade 7500-8	7500-8	PCI-64/33	1	1	ND	ND	1	1	NT	ND
3Ware	8500-4	Escalade 8500-4	PCI-64/33	1,2,3,4	1,2,3,4	ND	ND	1	1,2,3	4	ND
Intel	SCRU14L	Taft	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
LSI Logic	MegaRAID SATA 150-6	MegaRAID SATA 150-6	PCI-64/66	3,4	3,4	3	4	NT	3	4	NT
Promise	S150 TX4	FastTrak S150 TX4	PCI-32/66	1,2,3,4	1,2,3,4	3	4	1	1,2,3	NT	ND

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
Adaptec	ASR-3410S	ASR-3410S	PCI-64/66	2,3,4	2,3,4	2,3	4	NT	2,3	4	NT
ICP vortex	GDT8514RZ	GDT8514RZ	PCI-64/66	2,3,4	2,3,4	2,3	4	SA	2,3	4	SA
ICP vortex	GDT8543RZ	GDT8543RZ	PCI-64/66	2	2	2	4	NT	1	NT	NT
ICP vortex	GDT8546RZ	GDT8546RZ	PCI-64/66	2,3,4	2,3,4	2,3	4	SA	2,3	4	SA
LSI Logic	MegaRAID 320-1 (520-1)	MegaRAID SCSI 320-1	PCI-64/66	2,3,4	2,3,4	1,2,3	4	NT	2,3	4	NT
LSI Logic	IDEal SATA 150-2	IDEal SATA 150-2	PCI-64/66	2,3,4	2,3,4	3	4	NT	2,3	ND	NT
ICP vortex	GDT8623RZ	GDT8623RZ	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Intel	SRCU42X	SRCU42X	PCI-X133	3,4	3,4	3	4	NT	3	4	NT
LSI Logic	MegaRAID 320-2 (518)	MegaRAID SCSI 320-2	PCI-64/66	3,4	3,4	3	4	1	3	4	NT
LSI Logic	MegaRAID SCSI 320-2x	MegaRAID SCSI 320-2x	PCI-X133	3,4	3,4	NT	NT	NT	3	NT	NT
Storage Controllers: SCSI											
Adaptec	ASC-29160N	ASC-29160N	PCI-32/33	1	1	1	NT	1	1	NT	1
Adaptec	ASC-39160	ASC-39160	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Adaptec	ASC39320	ASC39320	PCI-X133	1	1	1	NT	1	1	NT	1
LSI Logic	LSI20160L	LSI20160L	PCI-32/33	1	1	1	NT	1	1	NT	1
LSI Logic	LSI20320-R	LSI20320-R	PCI-X133	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
LSI Logic	LSI22320-R	LSI22320-R	PCI-X133	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
Adaptec	ASC-29160LP	ASC-29160LP	PCI-64/66	2,3,4	2,3,4	2,3	4	NT	2,3	4	NT
Adaptec	ASC39320D-R	ASC39320D-R	PCI-X133	2,3,4	2,3,4	2,3	4	NT	2,3	4	NT
Storage Controllers: FC											
Emulex	LP9002LP-F2	LP9002	PCI-64/66	1,2,3,4	1,2,3,4	[1],[2],[3]	[4]	ND	1,2,3	4	ND
Emulex	LP9402	LP9402DC-F2	PCI-X133	2	2	[1],[2]	NT	ND	1,2	NT	ND
Emulex	LP9802DC-F2	LP9802DC-F2	PCI-X133	1,2,3,4	1,2,3,4	[1],[2],[3]	[4]	NT	1,2,3	4	NT
QLogic	QLA2200/66	QLA2200/66	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
QLogic	QLA2340	QLA2340	PCI-X133	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	ND
Modem											
3COM	V.Everything 56K Corporate Modem	3CP34,53	RS-232	1,2,3,4	1,2	NT	NT	NT	NT	NT	NT
3COM	56K V.92 56K Performance PrO	USR5610B	PCI-32/33	1,2,3,4	1,2	NT	NT	NT	NT	NT	NT
Network Interface Cards											
3COM	3C905C-TX-M	EtherLink 10/100 PCI	PCI 32/33	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
3COM	3C980C-TXM	EtherLink Server 10/100 PCI Managed	PCI-32/33	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
3COM	3c996B-T Gigabit Server Adapter	3c996B-T	PCI-X133	[1]	[1]	1	NT	1	1	NT	1

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
Dlink	DFE – 530/TX+	DFE - 530/TX+	PCI-32/33	1	1	1	NT	1	1	NT	ND
Intel	PILA8470D3	PRO/100+ S Server (Southbend II)	PCI-32/33	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Intel	PILA8472C3	PRO/100+ Dual Port (Gainesville)	PCI-64/66	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Intel	PRO/1000MF Gigabit Server Adapter (Baldry)	PWLA8490MF	PCI-X133	1	1	1	NT	1	1	NT	1
Intel	PWLA8490MT	PRO/1000MT Gigabit Server Adapter (Endicott)	PCI-X133	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Intel	PRO/1000XF Gigabit Server Adapter (Eldridge)	PWLA8490XF	PCI-X133	1	1	1	NT	1	1	NT	1
Intel	PWLA8490XT	PRO/1000XT Gigabit Server Adapter (Barrow)	PCI-X133	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	1
Intel	PRO/1000MF Dual Port Gigabit Server Adapter (Double Eldridge)	PWLA8492MF	PCI-X133	1	1	1	NT	1	1	NT	1
Intel	PWLA8492MT	PRO/1000MT Dual Port Gigabit Server Adapter (Double Barrow)	PCI-X133	1,[2],3,4	1,[2],3,4	1,2,3	4	1	1,2,3	4	1
3COM	3C905CX-TX-M	EtherLink 10/100 PCI	PCI 32/33	2,3,4	2,3,4	2,3	4	1	2,3	4	1
Peripherals											

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
Avocent	1160ES	1160ES	PS/2	1,2,3,4	1,2,3,4	NT	NT	NT	1,2,3	4	NT
Belkin	F1DA108T	Omniview PRO2	PS/2	1,2,3,4	1,2,3,4	NT	NT	NT	1,2,3	4	NT
Keytronic	E06101USB-C	E06101USB-C	USB	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
Keytronic	PRO Pilot	PRO Pilot	PS/2	1,2,3,4	1,2,3,4	NT	NT	1	1,2,3	4	NT
LOGITECH	930582-0403	Optical mouse	PS/2 USB and	1,2,3,4	1,2,3,4	NT	4	NT	1,2,3	4	NT
LOGITECH	967233-0403	Internet Navigator	PS/2 USB and	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
MICROSOFT	Intellimouse	Intellimouse Optical	PS/2 USB and	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
RAINBOW	Sentinal Duo	Sentinel Duo Hardware Key	USB	1,2,3,4	1,2,3,4	NT	NT	ND	1,2,3	NT	NT
Removable Media											
FUJITSU	DynaMO 2300AI 2.3GB IDE ATAPI	CG01000-477001) NMSINT	ATA	NT	NT	NT	NT	NT	1	NT	NT
FUJITSU	DynaMO 2300SZI SCSI	CG01000-494601) NMSEXT	SCSI-N	NT	NT	NT	NT	NT	1	NT	NT
IOMEGA	32324	ZIP 750MB USB 2.0	USB 2.0	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
IOMEGA	Mini 128MB USB Drive	32548	USB 2.0	NT	NT	NT	NT	NT	1	NT	NT
IOMEGA	ZIP-IDE250	ZIP-IDE250	ATA	1	NT	1	NT	1	1	NT	NT

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
SONY	PCGA-UFD5	VAIO External USB floppy	USB	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
TEAC	CDWF540/KIT	CDWF540/KIT	USB	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
TEAC	FD-235HF	FD-235HF	FLOPPY	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
TEAC	FDO5PUB	FDO5PUB	USB	1,2,3,4	1,2,3,4	NT	4	1	1,2,3	4	NT
Addonics	AEMED35AUM	Combo Hard Drive Kit	USB	2,3,4	2,3,4	NT	NT	NT	1,2,3	4	NT
MITSUMI	D353F3	D353F3	FLOPPY	2,3,4	2,3,4	NT	4	NT	2,3	4	NT
CD-ROM											
IOMEGA	CD-RW 48x24x48	CD-RW 48x24x48	USB	2	2	NT	NT	NT	1,2	NT	NT
LG	U2-12X	GCE-8240B	USB	1	1	NT	NT	1	1,2	NT	NT
MITSUMI	CRMC-FX5401W CDROM	CRMC-FX5401W CDROM	ATA33	1,2,3,4	1,2,3,4	1,2,3	4	NT	1,2,3	4	NT
PLEXTOR	PlexWriter 40x12x40U	CD-RW 40x12x40U	USB	1,2	1,2	NT	NT	1	1,2	NT	1
PLEXTOR	PX-W4824TU/SW	PlexWriter 48/24/48U	USB	3,4	3,4	NT	4	NT	3	4	NT
PLEXTOR	PX-W4012TS/SW	PlexWriter 40/12/40S	SCSI-UW	1,3,4	1,3,4	1,2	4	1	1,3	NT	NT
SAMSUNG	SC-152	SC-152	ATA33	1,2,3,4	1,2,3,4	2,3	4	1	1,2,3	4	NT
SAMSUNG	SN-124q	SN-124q	ATA33	1,2,3,4	1,2,3,4	NT	4	NT	1,2,3	4	NT

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
TEAC	CD-232E	CD-232E	ATA33	1,2,3,4	1,2,3,4	1,2	4	1	1,2,3	4	NT
TEAC	CD-552E	CD-552E	ATA	1,2,3,4	1,2,3,4	1,2,3	4	1	1,2,3	4	NT
IOMEGA	32497(55292EXT)	CD-RW 48x24x48	USB	3,4	3,4	NT	4	NT	3	4	NT
DVD-ROM											
HP	DVD Writer 200i	DVD200i	ATA33	2	2	1,2	NT	1	1	NT	NT
PANASONIC	SR-8177-B	SR-8177-B	ATA33	1,2,3,4	1,2,3,4	NT	NT	NT	NT	4	NT
PIONEER	DVD-305S	DVD-305S	SCSI-N	1,2,3,4	1,2,3,4	NT	NT	1	1,2,3	4	NT
SAMSUNG	SD-616	SD-616	ATA33	1,2,3,4	1,2,3,4	1,2,3	4	NT	1,2,3	4	NT
TOSHIBA	SD-C2612	SD-C2612	ATA33	NT	NT	NT	NT	NT	1	NT	NT
TOSHIBA	SD-M1401	SD-M1401	SCSI-N	1,2,3,4	1,2,3,4	NT	NT	1	1,2,3	4	NT
TOSHIBA	SD-M1612	SD-M1612	ATA33	1,2,3,4	1,2,3,4	1,2	4	1	1,2,3	4	NT
Liteon	LSD-081	LSD-081	ATA33	2,3,4	2,3,4	NT	NT	NT	2,3	4	NT
Mitsumi	SR244W1	SR244W1	ATA33	4	4	NT	NT	NT	NT	4	NT
TOSHIBA	SD-C2312	SD-C2312	ATA33	NT	NT	NT	NT	NT	2	NT	NT
Sony	DRU-510A	DRU-510A	ATA33	3,4	3,4	NT	NT	NT	3	NT	NT
Panasonic	CW-8122-B	CW-8122-B	ATA	3,4	3,4	NT	NT	NT	NT	NT	NT
Toshiba	SD-R2412	SD-R2412	ATA33	3,4	3,4	NT	NT	NT	NT	NT	NT
TAPE Drives											

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2000 Advanced Server, SP4	Microsoft Windows* Server 2003 Enterprise Server	Novell NetWare* 6.0, SP2	Novell Netware 6.5 SP2	Red Hat Linux* 8.0	Red Hat Linux* 9.0	Red Hat Enterprise AS 3.0	Caldera OpenUnix* 8.0, MP3
QUANTUM	Super DLT, SDLT320	TRS23BA-YF	SCSI-U2	NT	NT	NT	NT	NT	1	NT	NT
SEAGATE	STD2401LW-S	SCORPION 40 DDS4 DAT	SCSI-U2	1,2,3,4	1,2,3,4	NT	NT	NT	1,2,3	4	NT
SONY	SDX-700C/BM	AIT-3 Desktop	SCSI-U160	1,2,3,4	1,2,3,4	NT	NT	NT	1,2,3	4	NT
SONY	SDX-S500C/BM	AIT-2 Desktop	SCSI-U2	1,2,3,4	1,2,3,4	NT	NT	NT	1,2,3	4	NT
QUANTUM	BH2AA-YF	DLT, VS160	SCSI-U2	2,3,4	2,3,4	NT	NT	NT	2,3	4	NT
QUANTUM	BHHAA-YF	DLT, VS80	SCSI-U2	2,3,4	2,3,4	NT	NT	NT	2,3	4	NT
Video											
Matrox	G45FMDVP32DB	Millennium G450	PCI-32/33	1,2,3,4	1,2,3,4	1	NT	1	1,2,3	4	NT
Matrox	G200 MMS	G200 MMS	PCI-32/33	NT	NT	NT	NT	NT	1	NT	NT
ATI	RADEON 7500	RADEON 7500	PCI-32/33	1,2,3,4	1,2,3,4	1	NT	1	1,2,3	4	NT
ATI	RADEON 7000	RADEON 7000	PCI-32/33	NT	NT	NT	NT	NT	1	NT	NT

5. Hard Disk Drives

The hard drives listed in the following table have been tested with the Server Board SE7501CW2 by Intel in its validation labs and/or by individual drive vendors. The following operating system identifiers are used in the table to specify which OS each drive was tested under.

Identifier number	Operating System
1	Microsoft Windows* 2000 Advanced Server SP4
2	Novell NetWare* 6.0 SP2
3	Red Hat Linux* 8.0
4	Caldera OpenUnix* 8.0
5	Microsoft Windows* Server 2003 Enterprise Edition
6	Red Hat Linux* 9.0
7	Novell NetWare 6.5 SP2
8	Red Hat Enterprise Linux AS 3.0

Note that not all hard drives were tested under all operating systems. The following notation is used in the tested hard drives table below to indicate the support level that Intel provides for a particular hard drive with a particular operating system:

Number (i.e. 1)	This hard drive has been tested and is supported under the operating system identified by the operating system identification number.
Number in brackets (i.e. [1])	This hard drive has been tested, but is NOT supported under the operating system identified by the operating system identification number.
SD (Similar Drive)	The hard disk drive is supported, but not tested. This hard drive model/capacity has not been tested with this server board, but Intel will support it based on successful testing of a larger capacity hard drive from the same hard drive family. Intel has high confidence that this hard drive will function correctly with the server board. This drive uses the exact same firmware and drivers as a larger capacity hard drive that has been successfully tested with this server board. The only difference between this drive and the one that was used in testing is the storage capacity. Intel provides the same level of support for all hard drives listed in this document, regardless of whether the drive was tested or not. Customers should always test hard drives as part of the final system configuration prior to deployment. Given the fact that a larger capacity hard drive from the same drive family has successfully completed testing on this server board, this particular hard drive capacity point will not be tested.
IHVT (IHV Tested)	The hard disk drive was tested according to Intel-approved guidelines and test procedures by the Independent Hardware Vendor (IHV) that manufactured the drive. Intel provides the same level of support for all hard drives listed in this document, regardless of whether the drive was tested in an Intel lab or not. IHV test reports remain the property of the IHV (Intel cannot provide copies of these reports).

Manufacturer	Product Family Model Name	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems
Fujitsu	MAM	MAM3367MC	U160/SCA	15,000	36	1,2,[3],6
Fujitsu	MAM	MAM3184MC	U160/SCA	15,000	18	SD
Fujitsu	MAN	MAN3367MC	U160/SCA	10,000	36	1,2,3,4,6
Fujitsu	MAN	MAN3184MC	U160/SCA	10,000	18	SD
Fujitsu	MAP	MAP3147NC	U320/SCA	10,000	147	1,2,5,6,7
Fujitsu	MAP	MAP3735NC	U320/SCA	10,000	73	SD
Fujitsu	MAP	MAP3367NC	U320/SCA	10,000	36	SD
Fujitsu	MAS	MAS3735NC	U320/SCA	10,000	73	1,2,5,6,7
Fujitsu	MAS	MAS3367NC	U320/SCA	10,000	36	SD
Fujitsu	MAS	MAS3184NC	U320/SCA	10,000	18	SD
Hitachi	DK32EJ-14	DKE32EJ-14	U320/SCA	10,000	147	1,[2], 5,6,8
Hitachi	DK32EJ-72	DKE32EJ-72	U320/SCA	10,000	73	SD
Hitachi	DK32EJ-36	DKE32EJ-36	U320/SCA	10,000	36	SD
Hitachi	Ultrastar 10K300	HUS103030EL3800	U320/SCA	10,000	300	1,2,4,5,6, IHVT
Hitachi	Ultrastar 10K300	HUS103014EL3800	U320/SCA	10,000	147	1,2,4,5,6, IHVT
Hitachi	Ultrastar 10K300	HUS103073EL3800	U320/SCA	10,000	73	1,2,4,5,6, IHVT
Hitachi	Ultrastar 10K300	HUS103036EL3800	U320/SCA	10,000	36	1,2,4,5,6, IHVT
Hitachi	Ultrastar 146Z10	IC35L146UCDY10	U320/SCA	10,000	146	1,2,[3], 5, 6,7
Hitachi	Ultrastar 146Z10	IC35L073UCDY10	U320/SCA	10,000	73	SD
Hitachi	Ultrastar 146Z10	IC35L036UCDY10	U320/SCA	10,000	36	SD
Hitachi	Ultrastar 146Z10	IC35L018UCDY10	U320/SCA	10,000	18	SD
Hitachi	Ultrastar 36Z15	IC35L036UCPR15	U160/SCA	15,000	36	1,2,5,6
Hitachi	Ultrastar 36Z15	IC35L018UCPR15	U160/SCA	15,000	18	SD
Hitachi	Deskstar 180GXP	IC35L180AVV207-1	ATA100	7,200	180	1,2,3,5,6,7,8
Hitachi	Deskstar 180GXP	IC35L120AVV207-1	ATA/100	7,200	120	SD
Hitachi	Deskstar 180GXP	IC35L090AVV207-1	ATA/100	7,200	80	SD
Hitachi	Deskstar 180GXP	IC35L060AVV207-1	ATA/100	7,200	60	SD
Hitachi	Deskstar	IC35L030AVV207-1	ATA/100	7,200	30	SD

Manufacturer	Product Family Model Name	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems
	180GXP					
Maxtor	DIAMONDMAX PLUS 9	6Y120M0	SATA/150	7,200	120	1,2
Maxtor	DIAMONDMAX PLUS 9	6Y080M0	SATA/150	7,200	80	SD
Maxtor	DIAMONDMAX PLUS 9	6Y060M0	SATA/150	7,200	60	SD
Maxtor	DIAMONDMAX PLUS 9	6Y160L0	ATA/133	7,200	160	1
Maxtor	DIAMONDMAX PLUS 9	6Y120L0	ATA/133	7,200	120	1
Maxtor	DIAMONDMAX PLUS 9	6Y080L0	ATA/133	7,200	80	1
Maxtor	DIAMONDMAX PLUS 9	6Y060L0	ATA/133	7,200	60	1
Maxtor	DIAMONDMAX PLUS 9	6Y200P0	ATA/133	7,200	200	1,2,5,6,7,8
Maxtor	DIAMONDMAX PLUS 9	6Y160P0	ATA/133	7,200	160	SD
Maxtor	DIAMONDMAX PLUS 9	6Y120P0	ATA/133	7,200	120	SD
Maxtor	DIAMONDMAX PLUS 9	6Y080P0	ATA/133	7,200	80	SD
Maxtor	3000LE	X01USB2040	USB	5,400	120	1,6
Maxtor	5000XT	S01J250	USB	5,400	250	1,5,7
Maxtor	Atlas 15K II	8E147J0080311	U320/SCA	15,000	147	1,2,3 IHVT (uCode=RSJN X0)
Maxtor	Atlas 15K II	8E073J0040111	U320/SCA	15,000	73	1,2,3 IHVT (uCode=RSJN X0)
Maxtor	Atlas 15K II	8E036J0020111	U320/SCA	15,000	36	1,2,3 IHVT (uCode=RSJN X0)
Maxtor	Atlas 15K	8C073J0	U320/SCA	15,000	73	1,3,5,6 IHVT
Maxtor	Atlas 15K	8C036J0	U320/SCA	15,000	36	SD, IHVT
Maxtor	Atlas 15K	8C018J0	U320/SCA	15,000	18	SD, IHVT
Maxtor	Atlas 10K IV	8B146J0	U320/SCA	10,000	146	1,3,5 IHVT
Maxtor	Atlas 10K IV	8B074J0	U320/SCA	10,000	73	SD, IHVT
Maxtor	Atlas 10K IV	8B036J0	U320/SCA	10,000	36	SD, IHVT
Maxtor	Atlas 10K V	8D300J0	U320/SCA	10,000	300	1,2,3 IHVT (uCode=QSJN S0)
Maxtor	Atlas 10K V	8D147J0	U320/SCA	10,000	147	1,2,3 IHVT (uCode=QSJN S0)

Manufacturer	Product Family Model Name	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems
Maxtor	Atlas 10K V	8D073J0	U320/SCA	10,000	73	1,2,3 IHVT (uCode=QSJNS0)
Samsung	SpinPoint P40	SP8004H	ATA/100	7,200	80	1,2,3,6
Seagate	Barracuda ATA V	ST3120023A	ATA/100	7,200	120	1,2,3,5,6,7,8
Seagate	Barracuda ATA V	ST380023A	ATA/100	7,200	80	SD
Seagate	Barracuda ATA V	ST360015A	ATA/100	7,200	60	SD
Seagate	Barracuda ATA V	ST340017A	ATA/100	7,200	40	SD
Seagate	Barracuda Serial ATA V	ST3120023AS	SATA/150	7,200	120	1,3,5,6
Seagate	Barracuda Serial ATA V	ST3800023AS	SATA/150	7,200	80	SD
Seagate	Barracuda Serial ATA V	ST360015AS	SATA/150	7,200	60	SD
Seagate	Barracuda Serial ATA VI	ST3160023AS	SATA/150	7,200	160	1,2,5,6,7
Seagate	Cheetah 10K.6	ST3146807LC	U320/SCA	10,000	147	1,2,[3],5,6,7,8
Seagate	Cheetah 10K.6	ST373307LC	U320/SCA	10,000	73	SD
Seagate	Cheetah 10K.6	ST336607LC	U320/SCA	10,000	36	SD
Seagate	Cheetah 15K.3	ST373453LC	U320/SCA	15,000	73	1,2,[3],5,6,7,8
Seagate	Cheetah 15K.3	ST336753LC	U320/SCA	15,000	36	SD
Seagate	Cheetah 15K.3	ST318453LC	U320/SCA	15,000	18	SD
Western Digital	Caviar Special Edition	WD2000JB	ATA/100	7,200	200	1,2,3,5,6,7,8
Western Digital	Caviar Special Edition	WD1800JB	ATA/100	7,200	180	SD
Western Digital	Caviar Special Edition	WD1200JB	ATA/100	7,200	120	SD
Western Digital	Caviar Special Edition	WD1200BB-00EEA1	ATA/100	7,200	120	1,2,3,6
Western Digital	WD Raptor	WD360GD	SATA	10,000	36	1,2,5,6

6. Installation Guidelines

Reference the Intel® Server Board SE7501CW2 Monthly Technical Update for more details.