



# **Intel<sup>®</sup> Server Board SE7500CW2**

## ***Tested Hardware and Operating System List***

**Revision 1.50**

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**Enterprise Platforms and Services Marketing**

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## Revision History

<b>Date</b>	<b>Revision Number</b>	<b>Modifications</b>
May 2002	1.0	Initial Draft
August 2002	1.1	Revised to incorporate additional adapters from updated PVL Test Report, added Turbolinux* Server 7.0, and Red Hat* Linux 7.3 as supported Operating Systems.
October 2002	1.2	Fixed details on the "Maxtor DiamondMax Plus D740X" and the "IBM IC35L040AVER07 Ericson Deskstar GXP60" for hard-drives.
January 2003	1.3	Added updated information on Driver information. Red Hat 8.0 testing results added and Red Hat 8.0 is now a supported Operating System. Updated to new format.
April, 2003	1.4	Updated BIOS versions, removed Promise* 100 TX2 card for the supported list of cards.
July, 2003	1.5	Added support for Microsoft Windows 2003, and testing on BIOS 1.28 available on PBA A86787-509 and above.

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# 1. Introduction

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This document is intended to provide users of the Intel® server board SE7500CW2 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 Intel server board SE7500CW2 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 Intel server board SE7500CW2 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.

### 1.1.2 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.

## 1.2 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 SE7500CW2 testing was performed using the SC5200 server chassis, base option. No specific testing with add-in cards has occurred with the Hot-swap-backplane(HSBP) for SCSI hard-drives in fact.

## 2. Intel® Server Board SE7500CW2 Base System Configurations

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The following table lists the base configurations tested. Base configurations will change as new revisions of the Intel® server board SE7500CW2 are released and/or new system BIOS and BMC firmware are 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	SE7500CW2	A88031-503	Ver 1.10	
2	SE7500CW2S CSI	A88030-502	Ver 1.10	
3	SE7500CW2	A88031-504	Ver 1.12	
4	SE7500CW2S CSI	A88030-503	Ver 1.12	
5	SE7500CW2	A88031-505	Ver 1.14	
6	SE7500CW2S CSI	A88030-504	Ver 1.14	
7	SE7500CW2	A88031-506	Ver 1.17	
8	SE7500CW2S CSI	A88030-505	Ver 1.17	
7	SE7500CW2	A88031-507	Ver 1.23	
8	SE7500CW2S CSI	A88030-506	Ver 1.23	
9	SE7500CW2	A88031-509	Ver 1.25	
10	SE7500CW2S CSI	A88030-508	Ver 1.25	
11	SE7500CW2	A88031-509	Ver 1.28	
12	SE7500CW2S CSI	A88030-508	Ver 1.28	

### 3. Supported Operating Systems

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The following table provides a list of supported operating systems for the Intel® server board SE7500CW2. Each of the listed operating systems was tested for compatibility with a base Intel server board SE7500CW2 configuration. Operating system compatibility testing verifies that the operating system will install and function with all on-board devices.

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 Configuration Tested
Microsoft Windows 2000* Advanced Server, Service Pack 2	1,2,3,4,5,6,11,12
Microsoft Windows 2003* Enterprise Server	11,12
Red Hat Linux* 7.2	1,2,3,4,5,6
Red Hat Linux* 7.3	5,6
Red Hat Linux 8.0	7,8,9,10,11,12
Novell Netware 6.0, Service Pack 2	1,2,3,4,9,10,11,12
Caldera OpenUnix* v8.0, MP3	1,2,3,4,5,6
Turbolinux Server 7.0	5,6



### 3.1 Operating System Certifications

Listed below are the operating systems that Intel will certify SE7500CW2 Server board. 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	Intel® SE7500CW2 Server SID# 617206	OEM must request certification by Microsoft for their specific product. <a href="http://www.microsoft.com/hwdq/hcl/search.asp">http://www.microsoft.com/hwdq/hcl/search.asp</a> (Search on SE7500CW2) <a href="http://developer.intel.com/design/servers/whql.htm">http://developer.intel.com/design/servers/whql.htm</a>
Novell NetWare* 6.0	Intel® SE7500CW2 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. <a href="http://developer.novell.com/yes">http://developer.novell.com/yes</a>
Turbo Linux* 7.0	Intel® SE7500CW2 Server	TurboLinux checks Intel's 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.
Caldera OpenUnix* 8.0	Intel® SE7500CW2 Server	Caldera checks Intel's 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. <a href="http://wdb1.caldera.com/chwp/owa/hch_model_display?f_company_id=191&amp;f_category_id=1&amp;f_model_id=83749&amp;f_os_id=152&amp;f_release_id=318&amp;f_cert_value=CT&amp;f_status=NEWER&amp;f_search_os=152&amp;f_mode=Public&amp;f_search_screen_url=&amp;f_type_name=Ports&amp;f_model_det_value=CT">http://wdb1.caldera.com/chwp/owa/hch_model_display?f_company_id=191&amp;f_category_id=1&amp;f_model_id=83749&amp;f_os_id=152&amp;f_release_id=318&amp;f_cert_value=CT&amp;f_status=NEWER&amp;f_search_os=152&amp;f_mode=Public&amp;f_search_screen_url=&amp;f_type_name=Ports&amp;f_model_det_value=CT</a>

## 4. Adapters and Peripherals

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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.

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* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
3Ware	7500-8	Escalade 7500-8	PCI-64/66	NT	9,10	9,10	9,10	NT	NT
3Ware	8500-4	Escalade 7500-8	PCI-64/66	11,12	9,10,11,12	ND	9,10,11,12	NT	NT
Adaptec	ASR-2100S	2100S Phantom	PCI-64/66		1,2,3,4,5,6 See IG #6.1,6.3	1,2,3,4,5,6	ND	1,2,3,4	ND
Adaptec	ASR-2110S	2110S Phantom	PCI-64/66	11,12	1,2,3,4,5,6,9,10,11,12 See IG #6.1,6.3	1,2,3,4,5,6,9,10,11,12	ND	1,2,3,4	ND
Adaptec	ASR-2200S	2200S	PCI-64/66	11,12	11,12	11,12	11,12	NT	NT
Adaptec	ASR-3410S	3410S Hornet	PCI-64/66	11,12	1,2,3,4,5,6,9,10,11,12 See IG #6.1,6.3	1,2,3,4,5,6,9,10,11,12	ND	1,2,3,4	ND
Adaptec	AHA-2940U2W		PCI-64/66	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
AMI	475		PCI-64/66	9,10	1,2,3,4,5,6,9,10	1,2,3,4,5,6,9,10	NT	1,2,3,4	1,2,3,4,5,6
AMI	49320102321	Elite 1600 (493)	PCI-64/66	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
ICP-Vortex	GDT4523RZ	GDT4523RZ	PCI-32/66	NT	1,2,3,4,5,6,9,10,11,12	1,2,3,4,5,6,9,10,11,12	7,8	1,2,3,4	1,2,3,4,5,6

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
ICP-Vortex	GDT6523RS	GDT6523RS	PCI-32/66	NT	[1], [2],9,10	1,2,3,4,5,6	[7],[8],9,10	[1],[2]	1,2,3,4,5,6
ICP-Vortex	GDT8623RZ	GDT8623RZ	PCI-64/66	NT	1,2,3,4,5,6,9,10,11,12	1,2,3,4,5,6	7,8,9,10	1,2,3,4	1,2,3,4,5,6
Intel	SRCU14L		PCI-64/66	11,12	9,10,11,12	9,10,11,12	9,10,11,12	NT	NT
Intel	SRCU31A		PCI-32/33	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6,9,10	7,8,9,10	1,2,3,4	1,2,3,4,5,6
Intel®	SRCU31L		PCI-32/33	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6,9,10	9,10	1,2,3,4	ND
Intel	SRCU32U		PCI-64/66	11,12	1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12	7,8,9,10,11,12	1,2,3,4	1,2,3,4,5,6
Intel	SRCU42L		PCI-64/66	11,12	1,2,3,4,5,6,9,10,11,12 See IG #6.4	1,2,3,4,5,6,7,8,9,10,11,12	7,8,9,10,11,12	NT	NT
Intel	53C1000B1	(SE7500CW2 SCSI card)	PCI-64/66	11,12	1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12	7,8,9,10,11,12	1,2,3,4	1,2,3,4,5,6
LSI Logic	MegaRAID	MegaRAID SCSI	PCI-64/66	11,12	9,10,11,12	9,10,11,12	9,10	NT	NT
LSI Logic	LSI20160L	LSI20160L	PCI-32/33	NT	[1],[2],[3],[4],[5],[6],[9],[10]	[1],[2],[3],[4],[5],[6]	ND	[1],[2],[3],[4],[5],[6]	[1],[2],[3],[4],[5],[6]
LSI Logic	LSI20320-R	LSI20320-R	PCI-X133	11,12	1,2,3,4,5,6,9,10,11,12	9,10,11,12	9,10,11,12	NT	NT

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
LSI Logic	LSI22320-R	LSI22320-R	PCI-X133	11,12	1,2,3,4,5,6,9,10,11,12	9,10,11,12	9,10,11,12	NT	NT
LSI Logic	LSI22902	LSI22902	PCI-64/66	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
LSI Logic	LSI22903	LSI22903	PCI-64/66	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
LSI Logic	4714010232A	Enterprise 1600		11,12	9,10,11,12	11,12	11,12	NT	NT
LSI Logic	MegaRAID	MegaRAID SATA	PCI-64/66	NT	NT	NT	NT	NT	NT
Mylex	A352-2	AcceleRAID* 352	PCI-64/33	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Mylex	A170LP1-16NB	AcceleRAID 170	PCI-32/33	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Promise	FastTrak100T	FastTrak100 TX2	PCI-64/66	NT	9,10	9,10	9,10	NT	NT
Promise	S150 TX4	FastTrak S150	PCI-32/33	11,12	11,12	11,12	11,12	NT	NT
Adaptec	ASC-29160LP	ASC-29160LP	PCI-64/66	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Adaptec	ASC-39160	ASC-39160	PCI-64/66	11,12	1,2,3,4,5,6,7,9,10,11,12	1,2,3,4,5,6,9,10,11,12	7,8,9,10,11,12	1,2,3,4	1,2,3,4,5,6
Adaptec	ASC3920d	ASC39320	PCI-X133	11,12	1,2,3,4,5,6,9,10,11,12	9,10,11,12	9,10,11,12	NT	NT
Emulex	LP9420	LP9420	PCI-64/66	NT	9,10	9,10	9,10	NT	NT

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
Emulex	LP8000-T1	Light Pulse 8000-T1	PCI-64/66	NT	1,2,3,4,5,6,9,10	ND	9,10	ND	1,2,3,4,5,6
Emulex	LP9000-T1	LP9000	PCI-64/66	NT	1,2,3,4,5,6	ND	ND	ND	1,2,3,4,5,6
Emulex	LP9002LP-F2	LP9420	PCI-64/66	11,12	9,10,11,12	ND	9,10,11,12	NT	NT
Emulex	LP9402DC-F2	LP9402	PCI-X133	11,12	1,2,3,4,5,6,9,10,11,12	ND	9,10,11,12	ND	1,2,3,4,5,6
Emulex	LP9802DC-F2	LP9802	PCI-X133	11,12	9,10,11,12	ND	11,12	NT	NT
QLogic	QLA2200L	QLA2200L	PCI-64/66	11,12	1,2,3,4,5,6,9,10,11,12	1,2,3,4,5,6,9,10,11,12	7,8,9,10,11,12	1,2,3,4	1,2,3,4,5,6
QLogic	QLA2310	QLA2310	PCI-X66	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6,9,10	7,8,9,10	NT	1,2,3,4,5,6
QLogic	QLA2340		PCI-X133	11,12	9,10,11,12	11,12	9,10,11,12	NT	NT
3COM	3C996B-T	3C996B-T Gigabit Server Adapter	PCI-X133	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
3COM	3C996-T	3C996T Gigabit Server Adapter	PCI-X133	NT	1,2,3,4,5,6	1,2,3,4,5,6	[7],[8]	[1],[2],[3],[4],[5],[6]	[1],[2],[3],[4],[5],[6]
3COM	3C905C-TX-M	EtherLink 10/100	PCI 32/33	11,12	1,2,3,4,11,12	11,12	9,10,11,12	NT	NT

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
3COM	3C980C-TXM	EtherLink Server 10/100 PCI	PCI-32/33	11,12	1,2,5,6,9,10,11,12	9,10,11,12	9,10,11,12	NT	NT
D-Link	DFE-530/TX+	DFE-530/TX+	PCI-32/33	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6	7,8	ND	1,2,3,4,5,6
Intel	PILA8470D3G1 L20	PRO/100+ S Server	PCI-32/33	11,12	1,2,3,4,5,6,9,10,11,12	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Intel	PILA8472D3G1 L20	PRO/100 + Dual Port	PCI-64/66	NT	1,2,3,4,5,6,9,10	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Intel	PLA8490XTL20	Pro/100XT Gigabit Server	PCI-X 133	11,12	1,2,3,4,9,10,11,12	9,10,11,12	9,10	NT	NT
Intel	PWLA8490XT	PRO/1000XT Gigabit Server Adapter	PCI-X133	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Intel	PWLA8490XF	PRO/1000XF Gigabit Server Adapter	PCI-X133	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Intel	PWLA8490T	PRO/1000T	PCI-64/66	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Intel	PWLA8490MT	PRO/1000MT Gigabit Server	PCI-X133	11,12	9,10,11,12	9,10,11,12	9,10	NT	NT
Intel	PWLA8490SX	PRO/1000F Gigabit Server	PCI-64/66	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
Intel	PWLA8492MF	PRO/1000MF Dual Port Gigabit	PCI-X133	11,12	9,10,11,12	9,10,11,12	9,10	NT	NT
Intel	PWLA8492MT	PRO/1000MT Dual Port Gigabit	PCI-X133	NT	1,2,3,4,5,9,10	9,10,11,12	9,10	NT	NT
Logitech		MiniWheel* Mouse	USB/PS2		1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Keytronic keyboard	PRO Pilot	PRO Pilot	PS2	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Microsoft		Intellimouse* Optical	USB/PS2	11,12	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
Microsoft	200516	Internet Keyboard Pro	USB/PS2	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	1,2,3,4	1,2,3,4,5,6
<b>CDROM</b>									
TEAC	CD210PU/KIT	CD210PU/KIT	USB 1.1	NT	1,2,3,4,5,6,9,10	NT	7,8	NT	NT
TEAC	CDW54E/KIT	CDW54E/KIT/USB	USB1.1	NT	3,4,9,10	NT	NT	NT	NT
TEAC	CDWF540/KIT	CDWF540/KIT	USB 1.1	11,12	1,2,3,4,9,10,11,12	NT	NT	NT	NT
lomega	CDRW	CD-RW 16x10x40	USB 2.0	NT	1,2,3,4,5,6	NT	7,8	NT	NT
lomega	CDRW55296EXTE	lomega CD-RM	USB 2.0/1.1	11,12	1,2,3,4,11,12	NT	11,12	NT	NT
Plextor	CD-RW40x12x40U	PlexWriter 40x12x40U	USB 2.0/1.1	11,12	1,2,3,4,9,10	NT	NT	NT	NT



Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
Plextor	CD-RW 40x12x40U	PlexWriter* 40x12x40U	USB 2.0/1.1	NT	1,2,3,4,5,6	1,2,3,4,5,6	7,8	NT	NT
TEAC	FD05PUB	FD05PUB	USB		1, 2	1,2	1	NT	NT
	DVDROM								
HP	DVD300i	DVD Writer 200i	ATA33	11,12	9,10	NT	NT	NT	NT
Samsung	SD-616	SD-616	ATA33	11,12	9,10,11,12	NT	NT	NT	NT
Toshiba	SD-M1612	SD-M1612	ATA33	11,12	9,10,11,12	11,12	11,12	NT	NT
	MISC								
Samsung	SN-124g	SN-124g	ATA33	11,12	9,10	NT	NT	NT	NT
Samsung	SC152LEBB	SC-152	ATA33	11,12	1,2,3,4,5,6,7,8,11,12	NT	1,2,3,4	NT	NT
LG Electronics	GCE-8420B	GCE-8420B	USB2.0	11,12	1,2,3,4,11,12	NT	11,12	NT	NT
	TAPE Drives								
Seagate	STD2401LW-S	Scorpion* 40 DDS4 DAT	SCSI-U2		1,2	1	1	NT	NT
Sony	SDX-S500C/BM	AIT-2 Desktop	SCSI-U2		1,2	NT	NT	NT	NT
Fujitsu	DynaMO 1300SF		ATA		1,2	1,2	1,2	NT	NT
Fujitsu	MCJ3230AP	MCJ3230AP	ATA		1,2	NT	NT	NT	NT
lomega	ZIP-IDE250	ZIP-IDE250	ATA		1,2	NT	1	NT	NT

Manufacturer	Model Name	Model Number	Interface	Microsoft Windows* 2003 Enterprise	Microsoft Windows* 2000 Advanced Server, SP2	Novell NetWare* 6.0, SP2	Red Hat Linux* 8.0	Caldera OpenUnix* 8.0, MP3	Turbo Linux* 7
Iomega	ZIP-USB250	ZIP-USB250	USB		1,2	NT	1	NT	1
Teac	FD-235HF	FD-235HF	Floppy		1,2	1	1	NT	NT

## 5. Hard Disk Drives

The hard drives listed in the following table have been tested with the Intel® server board SE7500CW2 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
2	Novell NetWare* 6.0
3	Red Hat Linux* 7.2
4	Red Hat Linux* 7.3
5	Caldera OpenUnix* 8.0
6	Turbo Linux* 7
7	Red Hat Linux* 8.0
8	Microsoft Windows* 2003 Enterprise Server

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.

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems
Addonics	Combo Hard drive kit	AEMED35AUM	U160	10,000	36 GB	1,3
Fujitsu	AL-7LE	MAN3367MC	U160	10,000	36 GB	1,3,4,5,6
Fujitsu	MAP3147NC	Alegro 8LE	SCSI-U320	10,000	147GB	8
Hitachi/IBM	IS35L146UCD	Ultrastar 146Z10	SCSI-U320		146GB	1,2,8
Hitachi	ICS35L180AVV2	Deskstar 180GXP	ATA133		180GB	1,2,7,8
IBM	Ultrastar 73LZX	IC35L036UCD2 10	U160/SCA	10,000	36.7 GB	1
Maxtor	MX 6L080L4	D740x-6l Viper	U160	7,200	40 GB	1,2,3,4

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems
Maxtor	DiamondMax Plus D740X	6L080J4	ATA/100	7200	40 GB	1,3,4,5,6
Maxtor	Atlas* 10k III	KW18J011-03-B-E	U320	10,000	18 GB	1,3,4,5,6
Maxtor	6Y200P0	DiamondMaX	ATA-133	7,200	200GB	1,2,7,8
Maxtor	6Y160L0	DiamondMax	ATA133	7,200	160GB	1,2,7,8
Samsung	P40	SP4002H	ATA-100	7,200	40 GB	1,3,4,5,6
Seagate	Cheetah 36ES	ST318406LC	U160/SCA	10,000	18.4 GB	1,3,4,5,6
Seagate	Cheetah X15 36LP	ST318452LC	2Gb/s FC	15,000	18.4 GB	1,3,4,6
Seagate	Barracuda 36ES	ST318437LC	U160/SCA	10,000	36GB	1,3,5,6
Seagate	Barracude	ST3120023A	ATA100	7,200	120GB	1,2,7,8
Seagate	STS3120023AS	Barracude ATA V	SATA1.0		120GB	1,2,7,8
Seagate	Cheetah 73LP	ST373405LC	U160/SCA	10,000	73 GB	1,3,4,5,6
Seagate	Cheetah 36LP	ST336704LC	U160/SCA	10,000	36.7 GB	1,3,5,6
Seagate	Cheetah 36ES	ST340016A	U160/SCA	7,200	40 GB	1,3,4,6
Seagate	U Series 6	ST380020A U6	ATA/100	5400	80 GB	1,2,3,4,5
Western	WD2000JB	WD Caviar 7200	ATA100	7200	200GB	1,2,7,8

## 6. Installation Guidelines

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### 6.1 SE7500CW2 system won't boot to DOS with an Adaptec\* card installed.

**Issue:** SE7500CW2 system boots to the Adaptec SMOR utility instead of booting into DOS.

**Implication:** When running the Adaptec card in "EBDA relocation" mode the system will not boot. If Adaptec's card "EBDA Relocation" mode is disabled on SE7500CW2 BIOS 1.12 the card will perform correctly under some circumstances.

**Guideline:** Create boot disks using Windows 98 DOS instead of DOS 6.22 or the ROM-DOS shipped on the resource CD.

**Status:** This issue is resolved with a new release of the Adaptec BIOS and SE7500CW2 BIOS 1.16. The Adaptec BIOS v1.30 should work correctly. BIOS 1.16 and 1.17 are now available for the SE7500CW2. Both should work properly with this card.

### 6.2 Windows 2000\* won't install on a Maxtor D540X-4G 137GIG ATA hard-drive

**Issue:** Larger than 137GIG Maxtor ATA hard-drives don't give proper disk space information in Windows 2000 and are not recognized during the installation process.

**Implication:** Windows 2000 installation won't find this 137GIG hard-drive. The current Promise drivers won't allow for this hard-drive to be recognized.

**Guideline:** None.

**Status:** Promise RAID driver build 1.14 (PDC20627) allows for this hard-drive to install Windows 2000. Pending production release of this driver from Promise, \* please contact Promise\* for availability.

### 6.3 Adaptec 2100S, 2110S, or 3410S, RAID cards cause LILO to hang during POST with Red Hat 7.3.

- Issue:** Red Hat Linux 7.3 will fail to boot when an Adaptec 2100S, 2110S, or 3410S, RAID card is installed and running Adaptec BIOS 1.60.
- Implication:** When running the Adaptec\* card in “EBDA relocation” mode the system will not boot with Adaptec BIOS 1.60. Running Adaptec\* BIOS v1.62 in conjunction with BIOS 1.17 will provide support for Adaptec\* RAID cards mentioned above. Once installed it is still necessary to disable “EBDA relocation” in the Adaptec\* RAID setup.
- Guideline:** None.
- Status:** Pending production release of BIOS from Adaptec\*, please contact Adaptec for availability. Currently it is recommended to use Adaptec\* test BIOS 1.62 for the 2100S, and 1.63 for 2110S and 3410S cards.

### 6.4 Intel SRCU42L BIOS and firmware levels.

- Issue:** Incorrect levels may cause the card to fail.
- Implication:** RAID configuration inaccessible.
- Guideline:** None.
- Status:** It is recommended to use the following versions of RAID software with Board BIOS 1.23, SRCU32L BIOS 7.02B and Firmware2.34.00-R024