



Intel[®] Server Board *SE7525GP2*

Tested Hardware and Operating System List

Revision 1.5

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Enterprise Platforms and Services Marketing

Revision History

Date	Revision Number	Modifications
June 2004	1.0	Initial release
July 2004	1.1	Updated list of PIC-Express adapters. Changed list to SE7525GP2 only.
July 2004	1.2	Updated supported OS list
Sept 2004	1.3	Add similar adapters and devices
Jan 2005	1.4	Update list according to GP Q4'04 regression report
Feb 2005	1.5	Add Seagate* Alpine SATA hard drives and Sony* AIT tape drives; Updated the Supported OS table in Section 3: Supported Operating Systems to add listing of Microsoft* Windows* Small Business Server operating systems for Intel® Server Boards that support Microsoft Windows Server operating systems, and a note describing the support commitment.

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1. Introduction

This document is intended to provide users of the Intel® server board SE7525GP2 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 adapters, peripherals, and operating systems are tested or until the Intel server board SE7525GP2 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 for those adapters and peripherals under the specified system configuration (System BIOS and Firmware revisions) and operating systems versions with which they were tested.

1.1 Test Overview

Testing performed on these boards is classified under two separate categories: Basic Installation Testing, and Adapter / Peripheral Compatibility and Stress Testing.

1.1.1 Basic Installation Testing

Basic installation testing is performed with each supported operating system. Basic installation testing validates that the server board can 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 adapter cards are tested. Testing includes network connectivity and running of proprietary and 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 installation test process.

1.1.1.1 Support Commitment for Basic Installation Testing

Intel commits to provide the following level of customer support for operating systems that receive only 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 required 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 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 at the time of a given validation run. The Adapter / Peripheral Compatibility and Stress testing process consists of three areas: Base Platform, Adapter Compatibility, and Stress.

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. No heavy stressing of the systems or the cards is performed for CV testing.

Stress Testing: This test sequence uses configurations that include add-in adapters in all available slots, (depending on chassis used) for a minimum 72-hour test run without injecting errors. 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 Intel server board SE7525GP2 testing was performed using the Intel® Server Chassis SC5300 or Intel Server Chassis SC5275-E.

2. Base System Configurations

The following table lists the base system configurations tested. Base system configurations will change as new revisions of the Intel server board SE7525GP2 are released and/or new system BIOS and BMC firmware are cut onto the board in the factory. Each base system configuration is assigned an identifier number that is referenced in the tables throughout this document. New base system configurations are added with each new release of this document.



Intel will only provide support for adapters and peripherals under the specified base system configuration and operating systems versions with which they were tested.

Base System Configuration Identifier #	Board Type	PBA Number	BIOS Revision	mBMC Firmware Revision	FRUSDR	Notes
1	SE7525GP2	C55824-401	BC07	2.31	Ver 0.10	
2	SE7525GP2	C55824-501 C55824-601	P03	2.31	Ver 1.20	Fab mounted with C1 or C2 MCH
3	SE7525GP2	C55824-603	P06	2.40	Ver 1.40	Fab mounted with C4 MCH

3. Supported Operating Systems

The following table provides a list of supported operating systems for the Intel® server board SE7525GP2. Each of the listed operating systems was tested for compatibility with server board base system configuration listed in Section 2 of this document. Operating systems are supported only with 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 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 systems supported by Intel® Server Management software may be different than the operating systems supported by the server board. Please reference the Readme and User Guide documents that are included as part of each Intel Server Management distribution for operating systems that are supported by that release.

Operating System	Base System Configuration Tested & Type of Testing	Notes
Microsoft* Windows 2003 Enterprise Edition / Microsoft* Small Business Server 2003	Configuration 2&3 – Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2003. The Intel Server Board SE7525GP2 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, SP4 / Microsoft* Small Business Server 2000	Configuration 2&3 – Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2000. The Intel Server Board SE7525GP2 supports the operating system portion of Microsoft Windows Small Business Server 2000 only. The application portion is not tested or supported.
Windows XP Professional, SP1	Configuration 2&3 – Compatibility & Stress	
Novell NetWare 6.5, SP2	Configuration 2&3 – Compatibility & Stress	
SuSE 9.0 Professional	Configuration 2&3 –	

	Compatibility & Stress	
Windows NT 4.0 Advanced Server, SP6	Configuration 2&3 – Basic Install	
SuSE Professional Linux 8.2	Configuration 2&3 – Basic Install	
RedHat Linux 9.0	Configuration 2&3 – Basic Install	
SCO OpenServer 5.0.6a	Configuration 2&3 – Basic Install	
Novell NetWare 5.1, SP7	Configuration 2&3 – Basic Install	
SuSE 9.1 Professional, EM64T	Configuration 2&3 – Compatibility & Stress	
RHEL 3.0 w/update2, EM64T	Configuration 2&3 – Compatibility & Stress	

3.1 Operating System Certifications

Listed below are the operating systems that Intel will certify with the Intel Server Board SE7525GP2. 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 2003 Enterprise Edition	Certified	http://developer.intel.com/design/servers/whql.htm
Microsoft Windows 2000 Advanced Server	Certified	http://developer.intel.com/design/servers/whql.htm
Microsoft Windows XP Professional	In process	ATI logo'd: ID 919145
Novell Netware 6.5	Certified	Cert. ID: 76237 (SE7525GP2 with SC5275E) Cert. ID: 76238 (SE7525GP2 with SC5300)

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 system 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	Microsoft Windows* 2003 EE	Microsoft Windows 2000 AS	Microsoft Windows XP Professional	Novell Netware 6.5	SuSE 9.0 Professional	SuSE 9.1 Professional, EM64T	RHEL 3.0 w/update2, EM64T
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4.1 Video Adapters

ATI	RADEON 7500	RADEON 7500	1,[2]	1,[2],3	1,[2],3	1,[2],3	[2],3	[2]	[2]
Matrox	Millenium G450	G45FMDVP32DB	1,[2]	1,[2]	1,[2]	1, 2	[2]	2	2
ATI	X300	X300	1	1	1	1	NT	NT	NT
ATI	X600	PVL040GE RV380-A23	1	1,3	1,3	1,3	3	NT	NT
ATI	X700	PVL040LZ RV410	NT	3	3	3	3	NT	NT
ATI	X800XT	PVL040BV R423XT-A12	1	1,[3]	1,[3]	1,[3]	[3]	NT	NT
ATI	FireGL V3100	PVL040GF 370GL	1	1,3	1,3	1,3	3	NT	NT
ATI	FireGL V3200	PVL040IB RV380GL-A23	NT	[3]	[3]	[3]	[3]	NT	NT
nVidia	QuadroFX 330	PVL0372I & PVL0372K	1	1,3	1,3	1,3	3	NT	NT
nVidia	QuadroFX 1300	PVL04058 & PVL04059	1	1,3	1,3	1,3	3	NT	NT
nVidia	QuadroFX 3400	QuadroFX 3400	1	1	1	1	NT	NT	NT

4.2 Audio Adapters

Creative Labs	Creative Sound Blaster Audigy 2	70SB024000005	NT	[3]	[3]	[3]	[3]	NT	NT
Creative Labs	Creative Sound Blaster Audigy Gamer	70SB009003002	NT	[3]	[3]	[3]	[3]	NT	NT
Creative Labs	Creative Sound Blaster Extigy	70SB013000000	NT	[3]	[3]	[3]	[3]	NT	NT
Creative Labs	Creative Sound Blaster Live CT4769	70SB006003007	NT	[3]	[3]	[3]	[3]	NT	NT
Turtle Beach	Voyetra Turtle Beach Santa Cruise		NT	[3]	[3]	[3]	[3]	NT	NT

4.3 IEEE 1394 Adapters

Adaptec **	Fireconnect 4300	1890600	In Test	In Test	In Test	In Test	In Test	NT	NT
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4.4 PCI RAID

Adaptec	ASR-2110S	ASR-2110S	[1]	1	1	[1]	[1]	NT	NT
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Adaptec	AAR2410SA	AAR2410SA	2,3	2,3	2,3	2,3	2,3	2	2
Intel	SRCU32U	SRCU32U	[1], 2,3	[1],2,3	[1],2,3	[1],2,3	[2],[3]	[2]	[2]
Intel	SRCU42L	SRCU42L	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2, [3]	2	2
Intel	SRCU42X	SRCU42X	2, [3]	2, [3]	2, [3]	2, [3]	2, [3]	2	2
LSI Logic	MegaRAID SCSI 320-2x	MegaRAID SCSI 320-2x	2, [3]	2, [3]	2, [3]	2, [3]	2, [3]	2	2
LSI Logic	MegaRAID SCSI 320-4x	MegaRAID SCSI 320-4x	SA	SA	SA	SA	SA	SA	SA
LSI Logic	Express 500 (MegaRAID 475)	MegaRAID 475	1, 2	1, 2	1, 2	1, 2	2	2	2
LSI Logic ***	MegaRAID SATA 150-6	MegaRAID SATA 150-6	3	3	3	3	3	NT	NT
LSI Logic	MegaRAID SATA 150-4	MegaRAID SATA 150-4	SA	SA	SA	SA	SA	NT	NT
Intel	SRCS16	SRCS16	2, 3	2, 3	2, 3	2, 3	2, 3	2	2
Intel	SRCS14L	SRCS14L	1, 2, 3	1, 2,3	1, 2, 3	1, 2, 3	2, 3	2	2

4.5 PCI SCSI

Adaptec	ASC-29160LP	ASC-29160LP	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1,2, 3	2	2
Adaptec	ASC-29160	ASC-29160	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-29160N	ASC-29160N	SA	SA	SA	SA	SA	SA	SA
Adaptec	ASC-29320LP-R	ASC-29320LP-R	1, 2, 3	1, 2, 3	1, 2, 3	1, [2],3	[2], 3	ND	ND
Adaptec	ASC-29320ALP	ASC-29320ALP	SA	SA	SA	SA	SA	ND	ND
Adaptec	ASC-29320-R	ASC-29320-R	SA	SA	SA	SA	SA	ND	ND
LSI Logic	LSI20160LP	LSI20160LP	[1], 2,3	[1], 2,3	[1], 2,3	[1], 2,3	[1],2,3	2	2
LSI Logic	LSI20160	LSI20160	SA	SA	SA	SA	SA	SA	SA

4.6 PCI NIC

3COM	Etherlink 10/100 PCI	3C980C-TXM	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2	2
3COM	Gigabit Server Adapter	3C996B-T	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2	2
Intel	PRO/100+ S Server Adapter	PILA8470D3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2	2
Intel	PRO/100+ S Server Adapter	PILA8470C3	SA	SA	SA	SA	SA	SA	SA
Intel	PRO/100 + Dual Port	PILA8472C3	1, 2, [3]	1, 2, [3]	1, 2, [3]	1, 2,[3]	1,2,[3]	2	2
Intel	PRO/1000MT Gigabit Server Adapter	PWLA8490MT	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2	2

Intel	PRO/1000MT Gigabit Server Adapter	PWLA8490MF	SA	SA	SA	SA	SA	SA	SA
Intel	PRO/1000XT Gigabit Server Adapter	PWLA8490XT	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2	2
Intel	PRO/1000XT Gigabit Server Adapter	PWLA8490XTL	SA	SA	SA	SA	SA	SA	SA
Intel	PRO/1000XT Gigabit Server Adapter	PWLA8490XF	SA	SA	SA	SA	SA	SA	SA
Intel	PRO/1000XT Gigabit Server Adapter	PWLA8490XTL	SA	SA	SA	SA	SA	SA	SA
Intel	PRO/1000MT Dual Port Gigabit Adapter	PWLA8492MT	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	2	2
Intel	PRO/1000MT Dual Port Gigabit Adapter	PWLA8492MF	SA	SA	SA	SA	SA	SA	SA
Sysconnect	SK-9E21D	SK-9E21D	2, 3	3	3	2, 3	3	NT	NT

4.7 Modems

3COM	V.Everything 56K Corporate	3CP3453	1, 2, 3	1, 2, 3	1, 2, 3	ND	1, 2, 3	[2]	2
3COM	56K v.92 Performance Pro		1, 2	1, 2	1, 2	ND	1, 2	[2]	[2]

4.8 Human Interface Devices

Keytronic	PROPilot	PROPilot	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	3	NT	NT
Keytronic	E06101USB-C	E06101USB-C	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	3	NT	NT
Logitech	Optical Mouse	930582-0403	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	3	NT	NT
Logitech	Internet Navigator	930582-0403	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	3	NT	NT
Microsoft	Intellimouse Optical		1, 2	1, 2	1, 2	1, 2		NT	NT
Rainbow	Sentinal Duo Hardware Key	Sentinal Duo	2	1, 2	1, 2	2		NT	NT

4.9 CDROM Drives

IOMega	CD-RW 48x24x48	CD-RW 48x24x48	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Mitsumi	CRMC-FX5401W CDROM	CRMC-FX5401W CDROM	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT
Plextor	Plexwriter 40x12x40U	CD-RW 40x12x40U	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT
Samsung	SC-152	SC-152	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT

Teac	CD-552E	CD-552E	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Teac	CDWF540/Kit	CDWF540/Kit	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT

4.10 DVD Drives

Mitsumi	SR244W1	SR244W1	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Plextor	DVD-305S	DVD-305S	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Pioneer	DVD 305S	DVD305S	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Samsung	SD-616	SD-616	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT
Sony	DRU500AX	DRU500AX	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT
Toshiba	SD-M1401	SD-M1401	2	2	2	2	1, 2	NT	NT
Toshiba	SD-M1712	SD-M1712	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT

4.11 Tape Drives

Quantum	DLT, VS80	BH2AA-YF	1, [2]	1, [2]	[1],[2]	[1],[2]	1, 2	NT	NT
Sony	SDX-900V	SDX-900V(SCSI)	3	NT	NT	NT	NT	NT	NT
Sony	SDX-700C/BM AIT-3 Desktop	SDX-700C(SCSI)	1, 2	1, 2	[1], 2	[1]	1, 2	NT	NT
Sony	SDX-560V	SDX-560V(ATAPI)	3	NT	NT	NT	NT	NT	NT
Sony	SDX-550V	SDX-550V(SCSI)	3	NT	NT	NT	NT	NT	NT
Sony	SDX-S500C/BM AIT-2 Desktop	SDX-S500C/BM AIT-2 Desktop	[1], 2	1, 2	1, 2	[1]	1, 2	NT	NT
Sony	SDX-S500V/P	SDX-S500V/P	SA	SA	SA	SA	SA	NT	NT
Sony	SDX-460V	SDX-460V(ATAPI)	3	NT	NT	NT	NT	NT	NT
Sony	SDX-450V	SDX-450V(SCSI)	3	NT	NT	NT	NT	NT	NT
Sony	SDX-260V	SDX-260V(ATAPI)	3	NT	NT	NT	NT	NT	NT
Sony	SDX-250V	SDX-250V(SCSI)	3	NT	NT	NT	NT	NT	NT
Seagate	Scorpion 40 DDS4 DAT 20/40GB	STD2401LW-S	3	3	3	3	3	NT	NT

4.12 Removable Drives

IOmega	Zip 750MB USB 2.0	32324	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Sony	VAIO External USB floppy	PCGA-UFD5	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT
Addonics	Combo HD Kit	AEMED35AUM	2, 3	2, 3	2, 3	2, 3	2, 3	NT	NT
Teac	FD235-HF	FD235-HF	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
Teac	FDO5PUB	FDO5PUB	1, 2	1, 2	1, 2	1, 2	1, 2	NT	NT

4.13 KVM

Belkin	Omniview PRO2	F1DA108T	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	NT	NT
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Avocent	1160ES	1160ES	2	2	2	2	2	NT	NT
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** Check Tech Tips for more information.

*** Use the latest FW 713N instead of former 713J.

5. Hard Disk Drives

The hard drives listed in the following table have been tested with the Intel Server Board SE7525GP2 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* 2003 Enterprise Edition
2	Microsoft Windows 2000 Advanced Server
3	Microsoft Windows XP* Professional
4	Novell* Netware* 6.5
5	SuSE 9.0 Professional

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

Number (i.e. 1)	This hard drive has been tested and is supported under the operating system identified by the operating system identification number.
	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 Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
SCSI Hard Drives							
Fujitsu	Alegro 8LE	MAP3147NC	U320 SCSI SCA	10,000	147GB	1,2,3,4,5	
Fujitsu	Alegro 8LE	MAP3367NC	U320 SCSI SCA	10,000	36GB	SD	
Fujitsu	Alegro 8LE	MAP3735NC	U320 SCSI SCA	10,000	73GB	SD	
Fujitsu	Alegro 8LX	MAS3735NC	U320 SCSI SCA	15,000	73GB	1,2,3,4,5	
Fujitsu	Alegro 8LX	MAS3367NC	U320 SCSI SCA	15,000	36GB	SD	
Fujitsu	Alegro 8LX	MAS3184NC	U320 SCSI SCA	15,000	18GB	SD	
Maxtor	Atlas 10K IV	8B146J0	U320 SCSI SCA	10,000	146GB	1,2,3,4,5	
Maxtor	Atlas 10K IV	8B074J0	U320 SCSI SCA	10,000	74GB	SD	
Maxtor	Atlas 10K IV	8B036J0	U320 SCSI SCA	10,000	36GB	SD	
Maxtor	Atlas 10K V	8D300J0	U320 SCSI SCA	10,000	300GB	1,2,3,4,5	
Maxtor	Atlas 10K V	8D147J0	U320 SCSI SCA	10,000	147GB	SD	
Maxtor	Atlas 10K V	8D073J0	U320 SCSI SCA	10,000	73GB	SD	
Maxtor	Atlas 15K	8C073J0	U320 SCSI SCA	15,000	73GB	1,2,3,4,5	
Maxtor	Atlas 15K	8C036J0	U320 SCSI SCA	15,000	36GB	SD	
Maxtor	Atlas 15K	8C018J0	U320 SCSI SCA	15,000	18GB	SD	
Maxtor	Atlas 15K II	8E147J0	U320 SCSI SCA	15,000	147GB	1,2,3,4,5	
Maxtor	Atlas 15K II	8E073J0	U320 SCSI SCA	15,000	73GB	SD	
Maxtor	Atlas 15K II	8E036J0	U320 SCSI SCA	15,000	36GB	SD	
Seagate	Cheetah 10.6	ST3146807LC	U320 SCSI SCA	10,000	146GB	1,2,3,4,5	
Seagate	Cheetah 10.6	ST336607LC	U320 SCSI SCA	10,000	36GB	SD	
Seagate	Cheetah 10.6	ST373307LC	U320 SCSI SCA	10,000	73GB	SD	
Seagate	Cheetah X15.3	ST373453LC	U320 SCSI SCA	15,000	73GB	1,2,3,4,5	
Seagate	Cheetah X15.3	ST336753LC	U320 SCSI SCA	15,000	36GB	SD	

Hard Disk Drives

Intel® Server Board SE7525GP2

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
Seagate	Cheetah X15.3	ST318453LC	U320 SCSI SCA	15,000	18GB	SD	
Seagate	Cheetah 10K.7	ST3300007LC	U320 SCSI SCA	10,000	300GB	1,2,3,4,5	
Seagate	Cheetah 10K.7	ST3146007LC	U320 SCSI SCA	10,000	146GB	SD	
Seagate	Cheetah 10K.7	ST3073007LC	U320 SCSI SCA	10,000	73GB	SD	
Hitachi	DK32EJ	DK32EJ-14	U320 SCSI SCA	10,000	147GB	1,2,3,4,5	
Hitachi	DK32EJ	DK32EJ-36	U320 SCSI SCA	10,000	36GB	SD	
Hitachi	DK32EJ	DK32EJ-72	U320 SCSI SCA	10,000	72GB	SD	
Hitachi	UltraStar 10K300	UltraStar 10K300	U320 SCSI SCA	10,000	300GB	1,2,3,4,5	
Hitachi	UltraStar 15K73	HUS157373EL3800	U320 SCSI SCA	15,000	73GB	1,2,3,4,5	
Hitachi	UltraStar 15K73	HUS157373EL3600	U320 SCSI 68 pin	15,000	73GB	SD	
Hitachi	UltraStar 15K73	HUS157336EL3800	U320 SCSI SCA	15,000	36GB	SD	
Hitachi	UltraStar 15K73	HUS157336EL3600	U320 SCSI 68 pin	15,000	36GB	SD	
Parallel ATA (PATA) Hard Drives							
Hitachi	Deskstar 180GXP	IC35L180AVV207-1	ATA 100	7,200	180GB	1,2,3,4,5	
Hitachi	Deskstar 180GXP	IC35L120AVV207-1	ATA 100	7,200	120GB	SD	
Hitachi	Deskstar 180GXP	IC35L090AVV207-1	ATA 100	7,200	90GB	SD	
Hitachi	Deskstar 180GXP	IC35L060AVV207-1	ATA 100	7,200	60GB	SD	
Hitachi	Deskstar 180GXP	IC35L030AVV207-1	ATA 100	7,200	30GB	SD	
Maxtor	DiamondMax Plus 9	6Y160P0	ATA 133	7,200	160GB	1,2,3,4,5	
Maxtor	DiamondMax Plus 9	6Y200P0	ATA 133	7,200	200GB	SD	
Maxtor	DiamondMax Plus 9	6Y120P0	ATA 133	7,200	120GB	SD	
Maxtor	DiamondMax Plus 9	6Y080P0	ATA 133	7,200	80GB	SD	
Maxtor	DiamondMax Plus 9 (Maxline Plus II)	6Y200P0	ATA 133	7,200	200GB (8MB cache)	1,2,3,4,5	
IOMEGA	ZIP 750	ZIP 750	ATA 100		Internal	1,2,3,4,5	
Seagate	Barracuda 5 ATA	ST3120023A	ATA 100	7,200	120GB (8MB	1,2,3,4,5	

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
					cache)		
Western Digital	Caviar XL60	WD1200BB-00EEA1	ATA 100	7,200	120GB	1,2,3,4,5	
Western Digital	Caviar XL60	WD2000JB	ATA 100	7,200	200GB (8MB cache)	1,2,3,4,5	
Western Digital	Caviar XL60	WD2500JB	ATA 100	7,200	250GB (8MB cache)	SD	
Western Digital	Caviar XL60	WD1800JB	ATA 100	7,200	180GB (8MB cache)	SD	
Western Digital	Caviar XL60	WD1200JB	ATA 100	7,200	120GB (8MB cache)	SD	
Serial ATA (SATA) Hard Drives							
Maxtor	DiamondMax Plus 9	6Y120M0	SATA	7,200	120GB	1,2,3,4,5	
Maxtor	DiamondMax Plus 9	6Y250M0	SATA	7,200	250GB	SD	
Maxtor	DiamondMax Plus 9	6Y200M0	SATA	7,200	200GB	SD	
Maxtor	DiamondMax Plus 9	6Y160M0	SATA	7,200	160GB	SD	
Maxtor	DiamondMax Plus 9	6Y080M0	SATA	7,200	80GB	SD	
Maxtor	DiamondMax Plus 9	6Y060M0	SATA	7,200	60GB	SD	
Seagate	Barracuda 5 SATA	ST3120023AS	SATA	7,200	120GB	1,2,3,4,5	
Seagate	Barracuda 7 SATA	ST3200822AS	SATA	7,200	200GB	1,2,4	
Seagate	Barracuda 7 SATA	ST3160827AS	SATA	7,200	160GB	SD	
Seagate	Barracuda 7 SATA	ST3120827AS	SATA	7,200	120GB	SD	
Seagate	Barracuda 7 SATA	ST380817AS	SATA	7,200	80GB	SD	
Western Digital	WD Raptor	WD360GD	SATA	10,000	36GB	1,2,3,4,5	
Western Digital	WD Raptor	WD740GD	SATA	10,000	74GB	SD	
Western Digital	WD Caviar XL80 II	WD1600JD-00HBB0	SATA	7,200	160GB	1,2,3,4,5	
Western Digital	WD Caviar XL80 II	WD2000JD-00HBB0	SATA	7,200	200GB	SD	
Western Digital	WD Caviar	WD2500JD-00HBB0	SATA	7,200	250GB	SD	

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
	XL80 II						
Hitachi	DeskStar 7K250	HDS722525VLST80	SATA	7,200	250GB	1,2,3,4,5	
Hitachi	DeskStar 7K250	HDS722516VLST80	SATA	7,200	160GB	SD	
Hitachi	DeskStar 7K250	HDS722512VLST80	SATA	7,200	120GB	SD	
Hitachi	DeskStar 7K250	HDS722580VLST80	SATA	7,200	80GB	SD	
Hitachi	DeskStar 7K400	HDS724040KLSA80	SATA	7,200	400GB	1,2,3,4,5	
External HDD (USB)							
Maxtor	5000XT	5000XT	USB 2.0/1.1 & firewire		250GB	1,2,3,4,5	

6. Tech Tips

6.1 ESB6300 RAID Drivers for Windows XP

Currently no Microsoft* signed SATA RAID Drivers exist for Windows XP*. Drivers are available for the ESB6300 SATA RAID functionality from the Intel support website at <http://support.intel.com/support/motherboards/server>.

6.2 SATA RAID and x16 PCI-E usage

Due to limited Option ROM space in the BIOS, the SATA option ROM does not appear during post when certain x16 PCI-E graphics cards are installed. Several cards using the various nVidia chipsets seem to have this problem. Disabling the onboard NIC does free up enough option ROM space to utilize both these devices at the same time. Intel is investigating a BIOS fix for this issue. Check the support website for updated BIOS to resolve this conflict.

6.3 Adaptec Fireconnect 4300 FireWire Card usage

There are three versions of the Adaptec* Fireconnect* 4300 FireWire card. These versions, among other things, implement PCI pins A60 & B60 differently, as follows:

- Version A (Green PCB) – both signals are floating
- Version B (Red PCB) – both signals are connected directly to 5V
- Version C (Blue PCB) – both signals are floating

These two signals are connected to the 6300ESB I/O Bridge and are only 3.3V tolerant. Version B of this adapter attempts to drive 5V on those two signals and could lead to damage to the baseboard. The other two versions of this adapter leave those signals floating so they can be either 3.3V or 5V depending on the system. Because of this, only version A and version C of the Adaptec Fireconnect 4300 FireWire card are recommended for use with the SE7525GP2 server board.