



# **Intel<sup>®</sup> Server Board SE7320EP2 and SE7525RP2**

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

**Revision 1.0**

**June, 2005**

**Enterprise Platforms and Services Marketing**

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## *Revision History*

<b>Date</b>	<b>Revision Number</b>	<b>Modifications</b>
June 2005	1.0	First Release

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# 1. Introduction

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This document is intended to provide users of the Intel® Server Board **SE7320EP2** and **SE7525RP2** 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 **SE7320EP2** and **SE7525RP2** 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 the Intel® Server Board **SE7320EP2** and **SE7525RP2** 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 **SE7320EP2 and SE7525RP2** testing was performed using the Intel® Entry Level Server Chassis **SC5275-E**



## 2. Intel® Server Board SE7320EP2 and SE7525RP2 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 **SE7320EP2 and SE7525RP2** 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	BMC Firmware Revision	SC5200 HSC Firmware Revision	Notes
1	T71	C96123-201	BC03 B01 RC01 RC02	N/A	N/A	
2	T71A	C96124-201	RC01 RC02 P01	N/A	N/A	
3	T71B	C96126-201	RC01 RC02 P01	N/A	N/A	
4	T71D	D11950-201	RC01 RC02 P01	N/A	N/A	
5	T71	C96123-301	P01 RC02.02	N/A	N/A	
6	T71A	C96124-301	P01 RC02.02	N/A	N/A	
7	T71B	C96126-301	P01 RC02.02	N/A	N/A	
8	T71D	D11950-301	P01 RC02.02	N/A	N/A	

### 3. Supported Operating Systems

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The following table provides a list of supported operating systems for the Intel® server board **SE7320EP2 and SE7525RP2**. Each of the listed operating systems was tested for compatibility with Intel® server board **SE7320EP2 and SE7525RP2** 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 or LANDesk\* Client Manager software may be different than the operating systems supported by the Intel Server Board SE7320EP2 and SE7525RP2. Please reference the Readme and User Guide documents that are included as part of each Intel Server Management and LANDesk\* Client Manager distribution for operating systems that are supported by that release.

Operating System	Base System Configuration Tested & Type of Testing	Notes
Microsoft* Windows* Server 2003 /SP1	Configuration 1 – Compatibility & Stress Configuration 2 – Compatibility & Stress Configuration 3 – Compatibility & Stress Configuration 4 – Compatibility & Stress Configuration 5 – Compatibility & Stress Configuration 7 – Compatibility Configuration 8 – Compatibility & Stress	Intel's testing was completed with Microsoft Windows Server 2003. The application portion is not tested or supported.
Microsoft* Windows* Server 2003 EM64T	Configuration 1 – Compatibility & Stress Configuration 2 – Compatibility	Intel's testing was completed with Microsoft Windows Server 2003. The application portion is not tested or supported.

Operating System	Base System Configuration Tested & Type of Testing	Notes
	Configuration 3 – Compatibility Configuration 4 – Compatibility Configuration 5 – Compatibility & Stress Configuration 6 – Stress Configuration 7 – Stress Configuration 8 – Compatibility & Stress	See IG #6.1,6.3,6.5,6.12
Microsoft Windows 2000 Server, Service Pack 4	Configuration 1 – Compatibility & Stress Configuration 2 – Stress Configuration 4 – Compatibility & Stress Configuration 5 – Compatibility & Stress Configuration 8 – Compatibility	Intel's testing was completed with Microsoft Windows 2000 Server. The Intel Server Board XXXX supports the operating system portion of Microsoft Windows Small Business Server 2000 only. The application portion is not tested or supported.
Microsoft Windows XP Professional /SP1	Configuration 3 – Compatibility & Stress Configuration 7 – Compatibility	See IG #6.16
Microsoft Windows XP Professional EM64T	Configuration 3 – Compatibility & Stress Configuration 6 – Stress Configuration 7 – Stress Configuration 8 – Stress	See IG #6.12
Red Hat Linux* Enterprise Server AS 3.0 Update4	Configuration 3 – Stress Configuration 4 – Compatibility & Stress Configuration 8 – Compatibility & Stress	See IG #6.2,6.14
Red Hat Linux* Enterprise Server AS 3.0	Configuration 3 –	

Operating System	Base System Configuration Tested & Type of Testing	Notes
Update4 EM64T	Compatibility & Stress Configuration 4 – Compatibility & Stress Configuration 6 – Stress Configuration 7 – Stress Configuration 8 – Compatibility & Stress	
Red Hat Linux* Enterprise Server AS 2.1 Update 5	Configuration 1 –Basic Installation Configuration 2 –Basic Installation Configuration 4 –Basic Installation Configuration 5 –Basic Installation	See IG #6.10
SuSE Linux Enterprise Server 9.0 RC5/ SP1	Configuration 1 – Compatibility & Stress Configuration 3– Compatibility & Stress Configuration 4– Compatibility & Stress Configuration 5 – Stress Configuration 7– Compatibility Configuration 8– Compatibility & Stress	See IG #6.6,6.8,6.11,6.14
SuSE Linux Enterprise Server 9.0 EM64T /SP1	Configuration 3– Compatibility & Stress Configuration 4– Compatibility & Stress Configuration 5 – Compatibility & Stress Configuration 6 – Stress Configuration 7 – Stress Configuration 8 – Compatibility & Stress	See IG #6.6,6.7,6.8,6.11
SuSE Linux 9.1 Professional	Configuration 3–Basic Installation Configuration 5 –Basic	

Operating System	Base System Configuration Tested & Type of Testing	Notes
	Installation Configuration 7 –Basic Installation	
Novell NetWare* 6.5, Service Pack 3	Configuration 1 – Compatibility & Stress Configuration 2 – Compatibility & Stress Configuration 3 – Compatibility & Stress Configuration 4 – Compatibility & Stress Configuration 5 – Compatibility & Stress Configuration 8 – Compatibility	See IG #6.8,6.15
SCO UnixWare* 7.1.3	Configuration 1 –Basic Installation Configuration 2 –Basic Installation Configuration 3 –Basic Installation Configuration 4 –Basic Installation Configuration 5 –Basic Installation	See IG #6.9

### 3.1 Operating System Certifications

Listed below are the operating systems that Intel will certify with the Intel® Server Board **SE7320EP2 and SE7525RP2**. 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
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Operating System	Certification Listing	Comments
Microsoft Windows* Server 2003 SP1	Intel® Server Board SE7320EP2SCSI (SID# 980276)  SE7320EP2 (SID# TBD)  SE7320EP2DG2 (SID#984273)  SE7525RP2 (SID #TBD)	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 SE7320EP2)  <a href="http://developer.intel.com/design/servers/whql.htm">http://developer.intel.com/design/servers/whql.htm</a>
Novell NetWare* 6.5 with SP3	Intel® Server Board SE7320EP2SCSI  SE7320EP2  SE7320EP2DG2  SE7525RP2	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/67676.htm">http://developer.novell.com/yes/67676.htm</a>
Red Hat* Linux EnterPriase AS3.0 Update4 / EM64T	Intel® Server Board SE7320EP2SCSI  SE7320EP2  SE7320EP2DG2  SE7525RP2	Red Hat 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://hardware.redhat.com/hcl/?pagename=hcl&amp;view=certified&amp;vendor=399&amp;class=8#list">http://hardware.redhat.com/hcl/?pagename=hcl&amp;view=certified&amp;vendor=399&amp;class=8#list</a>
SuSE Linux Enterprise Server 9.0 with SP1 /EM64T	Intel® Server Board SE7320EP2SCSI  SE7320EP2  SE7320EP2DG2  SE7525RP2	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/67676.htm">http://developer.novell.com/yes/67676.htm</a>



## 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	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
<b>4.1 PCI RAID</b>														
Adaptec	ASR-2200S	ASR-2200S	PCI-64/66	ICP-Taft, 4 channel, SATA RAID 1.0, RAID 0, 1, 10, 5	3,4	3,4,5	3,4,5			3,4	4	3,4,5	3,4	3,4,5
Adaptec	AAR1420SA	AAR1420SA PCI-133/66	PCI-133/66	Candidate for Boxed SKU3 bundle, 4-port SW RAID	8	8	NT	7		8	8	8	8	8
Adaptec	ASR-2230S	ASR-2230S	PCIX	2ch, U320, PCI-X, Rocket ROC	8	8		7		8	8		7	
LSI Logic	MegaRAID SATA 150-6	MegaRAID SATA 150-6	PCI-64/66	6 channel, SATA RAID 1.0, RAID 0, 1, 10, 5	1	1,5	1,5	3		1	1	1,5	1	1,5
Intel	SRCS28X(Stockton)	SRCS28X(Stockton)	PCIX-133	8 Ch SATA II 1.5/3.0G, SATA RAID 1.0, RAID 0, 1, 10, 5, 50	8	8		7		8	8		7	
Intel	SRCS16(sawtell)	SRCS16(sawtell)	PCI-64/66	Sawtell, 6-port	1	1	1	3		1	1	1	ND	ND

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
ICP	GDT8586RZ	GDT8586RZ	PCI-64/66	8 channel, SATA RAID 1.0, RAID 0, 1, 10, 5; 4 x Silicon Image w/ IOP 303	1	1,5	1,5	3		1	1	1,5	1	1,5
Intel	SRCU41L PCI-64/66	SRCU41L PCI-64/66	PCI-64/66	Lake Shetek, 1 chan, U320 RAID	8	8		7		8	8		7,8	
ICP	GDT8514RZ	GDT8514RZ	PCI 64/66	Chilito, 1+1chan, U320, IOP303, LPPCI-MD2	1,8	1,5,8	1,5	3,7		1,8	1,8	1,5	1,7	1,5
ICP	GDT8524RZ	GDT8514RZ	PCI 64/66	2chan (2int, 2ext), U320	8	8		7		8	8		7	
Intel	SRCU42X	SRCU42X	PCI-X	Chilito2, 2 chan, U320 RAID,	1	1	1	3		1	1	1	1	1
Intel	SRCU42E	SRCU42E	PCI-e x8	Raid/SCSI	1	1,5	1,5	3		1	1	1,5	1	1,5
LSI Logic	MegaRAID SCSI 320-2E	MegaRAID SCSI 320-2E	PCI-e x8	Raid/SCSI	1	1	1	3		1	1	1	1	1
AMCC/3ware	9500/8/1 PCI-X-66	9500/8/1 PCI-X-66	PCI-X-66	8 channel SATA 1.0, RAID 0, 1, 10, 5. version of 8506-x series	8	8		7		ND	NT		NT	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
<b>4.2 PCI SCSI</b>														
Adaptec	ASC-39160	ASC-39160	PCI-64/66	2 channel U160 SCSI, 7899 chip	1	1	1	3		1	1	1	1	1
Adaptec	ASC-39320A	ASC-39320A	PCI-X133	PCI-X133 2 channel U320 SCSI, 7902 chip	1,8	1,5,8	1,5	3,7		1,8	1,8	1,5	1,7	1,5
LSI Logic	LSI20160	LSI20160	PCI-32/33	1 channel U160 SCSI, 1000 chip (low cost)	1,8	1,5,8	1,5	3,7		1,8	1,8	1,5	1,7	1,5
LSI Logic	LSI22320-R	LSI22320-R	PCI-X133 2	channel U320 SCSI LP, 1030 chip	1,3,4	1,2,3,4	1,3,4			1,3,4	1,4	1,3,4	1,3,4	1,3,4
<b>4.3 Graphics Adapter</b>														
ATI	RADEON 7000	RADEON 7000	PCI-32/33	PCI video with single monitor support				7						
ATI	FireGL V5100 (RP Only)	FireGL V5100 (RP Only)	PCI Express x16	PCI Express x16 video x16 workstation graphics	3	3		3	3	ND			ND	ND

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
ATI	X700 Pro (RV410) RP Only	X700 Pro (RV410) RP Only	PCI Express x16	PCI Express x16 video x16 workstation graphics	3	3		3	3	ND			ND	ND
ATI	X600XT(RP only)	X600XT(RP only)		PVL040GE RV380-A23 X600	3	3		3	3	3			3	3
ATI	FireGL V3100(RP only)	FireGL V3100(RP only)		PVL040GF 370GL	3	3		3	3	3			3	3
ATI	FireGL V3200(RP only)	FireGL V3200(RP only)		PVL040IB RV380GL-A23	3	3		3	3	3			3	3
ATI	X800XL (R430) RP Only	X800XL (R430) RP Only	PCI Express x16	video x16 workstation graphics	3	3		3	3	ND			ND	ND
ATI	X850XT PE(RV480) RP Only	X850XT PE(RV480) RP Only	PCI Express x16	video x16 high-end desktop graphics	3	3		3	3	ND			ND	ND
MSI	MS-8969-010 PCX5750-TD128	MS-8969-010 PCX5750-TD128	PCI Express x16	x16 workstation graphic	3	3		3,7	3	3			3	3
Nvidia	PHY Quadro FX 330	PHY Quadro FX 330		PVL0372I & PVL0372K	3	3		3	3	3			3	3

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
Nvidia	PHY Quadro FX 1300		Express16	PVL04058 & PVL04059	3	3		3	3	3			3	3
ASUS	Extreme N5900 (RP Only)	Extreme N5900 (RP Only)	Express16	x16 mid-range desktop graphics	3	3		3,7	3	3			3	3
3Dlabs	Realizm 800 PCI Expressx16	Realizm 800 PCI	Express16	x16 high-end workstation graphics				7 (20975)						
PNY	VCQFX540-PCIE-PB	VCQFX540-PCIE-PB		PCI-E x16 desktop graphics										
PNY	VCQFX1400-PCIE-PB	VCQFX1400-PCIE-PB		PCI-E x16 desktop graphics										
<b>4.4 PCI Fiber Channel</b>														
Emulex	LP10000DC	LP10000DC	PCI-X133	Dual Channel 2Gb FC controller Universal PCI-LP/RP Optical	1	1	1	3		3	1	1	1	1
QLogic	QLE2362	QLE2362	PCI-e x4	Storage-FC	1,8	1,5,8	1,5	3,7		1,8	1,8	1,5	1,7	1,5
Emulex	LP10000DC-EX	LP10000DC-EX	PCI-E X8	2 channel, 2Gb FC, PCI Expressx8	1,8	1,5,8	1,5	3,7		3,8	1,8	1,5	1,7	1,5

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
QLogic	QLA2342	QLA2342	PCI-64/66	2 channel 2Gb FC Optical, 2312 chip	1	1	1			1	1	1	1	1
LSI Logic	LSI7202XP-LC	LSI7202XP-LC	PCI-X133	Dual Channel FC,2Gb,LSIF C929X	8	5,8	5	7		8	8	5	7	5

#### 4.5 PCI NIC

Intel	PWLA8490XT	PRO/1000XT Gigabit Server Adapter	PCI-X133	PWLA8490XT PRO/1000XT Gigabit Server Adapter	1	1	1	3	3	1	1	1	1	1
Intel	PWLA8490MT	PRO/1000MT Gigabit Server Adapter	PCI-X133	PWLA8490MT PRO/1000MT Gigabit Server Adapter	1	1	1	3	3	1	1	1	1	1
Intel	PWLA8492MT	PRO/1000MT Dual Port Gigabit Server Adapter	PCI-X133	PWLA8492MT PRO/1000MT Dual Port Gigabit Server Adapter	1,8	1,5,8	1,5	3,7	3	1,8	1,8	1,5	1,7	1,5
Intel	Intel Pro100S DualPort	Intel Pro100S DualPort	PCI-32bit/33MHz.	Gainesville, 10/100baseT, Dual port	1	1	1	3	3	1	1	1	1	1

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
Intel	PRO/100+S Server	PRO/100+S Server	PCI-32bit/33MHz.	Southend II 82550GY Moab, WfM2.0 w/WOL, LP	1	1	1	3	3	1	1	1	1	1
3COM	3COM980 C-TXM	3COM980 C-TXM	PCI-32bit/33MHz.	32bit/33MHz. w/WOL, LP	1	1	ND	3	ND	1	1	1	1	1
3COM	3C905CX-TX-M	3C905CX-TX-M	PCI-64/66	10/100/1000BaseT	1,8	1,5,8	ND	3,7	ND	1,8	1,8	1,5	1,7	1,5
SysKonnnect	SK-9E21D	SK-9E21D	PCI Express X1	base on Marvell 88E8061 YukonEC	1	1	1	3	3	1	1	1	1	1
SysKonnnect	SK-9E22	SK-9E22	PCI Express X4	base on Marvell 88E8062 YukonEC	3,4,8	3,4,5,8	3,4,5	3,7	3	3,4,8	4,8	3,4,5	3,4,7	3,4,5
<b>4.6 USB/PS2 Devices</b>														
Logitech	930582-0121	930582-0121	PS/2 and USB	Optical mouse or Internet Navigator	1,3,4	1,3,4,5	1,3,4,5	3		1,3,4	1,3,4	1,3,4,5	1,3,4	1,3,4,5
Logitech	930582-0121	930582-0121	Keyboard		1	1	1	3	3	1	1	1	1	1



Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
Keytronic	PRO Pilot	PRO Pilot	Keyboard		1	1,5	1,5	3	3	1	1	1,5	1	1,5
Keytronic	E06101USB-C	E06101USB-C	Keyboard/USB	keyboard with 2 port USB hub	1	1	1	3	3	1	1	1	1	1
MICROSOFT	Intellimouse Optical		Keyboard		1	1,5	1,5	3	3	1	1	1,5	1	1,5
RAINBOW	SRB10741/ERB01221	SRB10741/ERB01221		Sentinel Duo Hardware Key USB security key	1	1,5	ND	3	ND	ND	ND	ND	ND	ND
<b>4.7 CDROM Drives</b>														
Mitsumi	SR244W1	SR244W1	ATA33	IDE/Slimline 5.25x0.5 CDROM	1	1	1	3	3	1	1	1	1	1
TEAC	CD-552E	CD-552E			3,4	3,4	3,4			3,4	4	3,4	3,4	3,4
TEAC	CDW540E/KIT/USB2	CDW540E/KIT/USB2		CDW540E/KIT/USB2 (External)	1	1,5	1,5	3	3	1	1	1,5	1	1,5

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
<b>4.8 CDRW Drives</b>														
Plextor	PlexWriter/ Premium-U - 52/32/52	PlexWriter / Premium- U - 52/32/52		USB 2.0/1.1 CDRW	1	1,5	1,5			1	1	1,5	1	1,5
Panasonic	UJDA750	UJDA750	IDE/Sli mline	5.25x0.5 CD- RW/DVD- ROM combo 24/24/8/24X	3,4	3,4	3,4	3	3	3,4	4	3,4	3,4	3,4
Lite On	SOSC- 2483K	SOSC- 2483K	IDE/Sli mline	5.25x0.5 CD- RW/DVD- ROM combo 24/24/8/24X	1	1	1	3	3	1	1	1	1	1
Lite On	SOHC- 5235K	SOHC- 5235K		52x32x write, 52x16x read	8	8		7		8	8		7	
Plextor	PX-716SA	PX-716SA	SATA	SATA 5.25x0.5 DVD+-R/RW CD-RW internal	4	4,5	4,5	3	3	4	4	4,5	4	4,5
IBM	22P6991	22P6991		CD-RW / DVD-ROM combo 24x10x24 IDE/Slimline	1	1,5	1,5		1	1	1	1,5	1	5
LG	GCC- 4521BI	GCC- 4521BI		CD-RW / DVD-ROM combo drive	8	8		7		8	8		7	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
LG	GDR-8163B	GDR-8163B		DVD-ROM/CDROM Combo Drive	8	8		7		8	8		7	
SONY	CRX230AD/K	CRX230AD/K		52X CD-RW	8	8		7		8	8		7	
	CRX-835E	CRX-835E		CD-RW / DVD-ROM combo										

#### 4.9 DVD Drives

PIONEER	DVD-305S	DVD-305S	SCSI-DVDR OM		3,4	3,4,5	3,4,5			3,4	4	3,4,5	3,4	3,4,5
PIONEER	DVR-S606	DVR-S606	External USB2.0	External USB2.0 DVDROM	1	1	1	3	3	1	1	1	1	1
TOSHIBA	SD-R2512	SD-R2512	slimline,	udma, 24x10x24x8X slimline	1	1	1	3	3	1	1	1	1	1
TOSHIBA	SD-M1912-S	SD-M1912-S		DVD-ROM, 48x (CD) / 16x (DVD) Read	8	8		7		8	8		7	

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
Sony	DRX-710UL	DRX-710UL	USB2.0 external	DVDROM/Combination DVD-R/RW DVD+RW/+R/+R DL CD-R/RW Drive	3,4,8	3,4,5,8	3,4,5	7		3,4,8	4,8	3,4,5	3,4,7	3,4,5
Teac	DV-28E-BP3	DV-28E-BP3	slimline,	8x-Speed DVD-ROM DRIVE, 8x DVD-RAM	1	1	1	3	3	1	1	1	1	1
Teac	DV-W24E-293	DV-W24E-293	slimline,	24xCDR, 8x DVD; Recording CD-R/RW, DVD-R/RW, +R/RW	1	1	1	3	3	1	1	1	1	1
Lite On	GDR-8162B	GDR-8162B		ATA33 DVD ROM16x40x	8	8		7		8	8		7	
Lite On	LSC-24082KX	LSC-24082KX		CD-RW / DVD-ROM combo 24x24x24+8XDVDROM	8	8		7		8	8		7	
Samsung	SD-816	SD-816		DVDROM udma 16x/48x	8	8		7		8	8		7	
<b>4.10 Sound Adapter</b>														
Creative Labs	70SB02400005	70SB02400005	PCI 32-33	Blaster Audigy 2	1,5	1,5	1,5	3,7		ND	ND	ND	ND	ND

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
Creative Labs	70SB009003002		PCI 32-33	Blaster Audigy Gamer	Blocked	Blocked	Blocked	Blocked	Blocked	Blocked	Blocked	Blocked	Blocked	Blocked
Creative Labs	70SB013000000			Blaster Extigy USB	3,4	3,4	3,4	3		ND	4	3,4	ND	ND
Creative Labs	70SB006003007		PCI 32-33	Blaster Live CT4769	3,4	3,4	ND	3		ND	4	3,4	3,4	3,4

#### 4.11 Tape Drives

SEAGATE	STD2401L W-S	STD2401L W-S		SCORPION 40 DDS4 DAT 20/40g DAT DDS4 5.25HH	1,8	1,5,7,8	1,5	3,7	3		1,8	1,5	1,7	1,5
SONY	SDX-S500V/P	SDX-S500V/P		AIT-2 Desktop 50GB native capacity, 6MB/s transfer rate	3,4,8	3,4,5,7,8	3,4,5	7			4,8	3,4,5	3,4,7	3,4,5
SONY	SDX-700C/BM	SDX-700C/BM		100GB native capacity, 12MB/s transfer rate	1	1	1	3	3		1	1	1	1

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
<b>4.12 Removable Drives</b>														
IOMEGA	ZIP 750MB USB 2.0 32324		USB 2.0	External Zip750 USB 2.0	1	1	1		3		1,	1	1,7	1
IOMEGA	SKU 33105	SKU 33105	USB 2.0	Micro Mini 512MB Drive USB2.0 External RM	3,4,8	3,4,5,7,8	3,4,5	3,7		8	4,8	3,4,5	3,4,7	3,4,5
IBM	22P9025	22P9025	USB 2.0	IBM 256MB USB 2.0 memory key	3,4,8	3,4,5,7,8	3,4,5	3,7		8	4,8	3,4,5	3,4,7	3,4,5
Lexar	JD1GB-80-231	JD1GB-80-231	USB2.0 external RM	1GB USB Flash Drive USB2.0 external RM JumpDrive Pro 80X USB Flash Drive	3,4,8	3,4,5,7,8	3,4,5	3,7		8	4,8	3,4,5	3,4	3,4,5
TEAC	FD-235HF	FD-235HF		3 1/2" floppy disk	1,8	1,5,7,8	1,5	3,7	3	8	1,8	1,5	1,7	1,5
SONY	PCGA-UFD5	PCGA-UFD5		3½" Floppy, USB	1	1	1	3	3		1	1	1	1
TEAC	FDO5PUB	FDO5PUB		3½" Floppy, USB	1	1	1	3	3		1	1	1	1

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
Maxtor	S01J250 5000XT	S01J250 5000XT	USB 2.0	250 GB USB 2.0/1.1 and firewire hard drive	1,8	1,5,8	1,5	3,7		8	1,8	1,5	1,7	1,5
Addonics	Combo Hard Drive Kit	Combo Hard Drive Kit		Converter cable USB2.0 to ATA HD (Seagate ST380021A Barracuda 4)	1,8	1,5,8	1,5	3,7	3	8	1,8	1,5	1,7	1,5
<b>4.13 Modem</b>														
3COM	3CP3453 V.Everthing 56K Corporate Modem	3CP3453 V.Everthing 56K Corporate Modem	PCI-32/33	V.Everthing 56K Corporate Modem	1	1	1	3	3	NT	1	1	1	1
3COM	USR5610B	USR5610 B		56K V.92 Performance Pro	3,4,8	3,4,5,7,8	3,4,5	3,7		NT	4,8	3,4,5	NT	NT
<b>4.13 Others</b>														
Adaptec	Fireconnect 4300	Fireconnect 4300	PCI-32/33	1890600 3 port PCI-32/33	7,8			7,8						

Manufacturer	Model Name	Model Number	Interface	Comments	Windows* 2000 Server	Windows* 2003 Server	Windows* 2003 Server EM64T	Windows* XP Professional	Windows* XP Professional EM64T	Novell NetWare* 6.5 P3	Red Hat Linux* AS3.0 Update4	Red Hat Linux* S3.0 U4 EM64T	SuSE SLES9	SuSE SLES9 EM64T
<b>4.14 KVM</b>														
Avocent	1160ES	1160ES	PS/2	16 port keyboard mouse video switch	1,5	1,5	1,5	3	3	1,5	1,5	1,5	1,5	1,5
Belkin	F1DA108T Omniview PRO2 KVM	F1DA108T Omniview PRO2 KVM		8 port keyboard mouse video with 25' cable	4	4	4	3	3	4	4	4	4	4



## 5. Hard Disk Drives

The hard drives listed in the following table have been tested with the Intel® Server Board **SE7320EP2 and SE7525RP2** 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	Microsoft Windows* 2003 Server SP1
3	Microsoft Windows* XP Professional
4	Microsoft Windows* XP Professional EM64T
5	Microsoft Windows* 2003 Server EM64T
6	Novell NetWare* 6.5 SP3
7	Red Hat Linux* Enterprise Server AS3.0 Update4
8	Red Hat Linux* Enterprise Server AS3.0 Update4 EM64T
9	SuSE Enterprise Server 9.0 RC5/SP1
10	SuSE Enterprise Server 9.0 RC5/SP1 EM64T

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 Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
<b>SCSI Hard Drives</b>							
Seagate	ST3146807LC	Cheetah 10.6	Ultra320,	10K RPM	146GB	1,2,3,5,6,7,8,9,10	
Seagate	ST373454LC	Cheetah 15K.4	Ultra320,	15KRPM	73GB	1,2,5,6,7,8,9,10	
Seagate	ST3300007LC	Cheetah 10K.7	Ultra320,	10K RPM	300GB	1,2,3,5,6,7,8,9,10	
Maxtor	8D073J0	Atlas 15K	Ultra320,	15K RPM	73GB	1,2,5,6,7,8,9,10	
Maxtor	8E073J0	Atlas 15K II	Ultra320,	15K RPM	73GB	1,2,3,5,6,7,8,9,10	
Hitachi	HUS103030FL3800	Ultrastar 10K300	Ultra320,	10Krpm	300GB,	1,2,3,5,6,7,8,9,10	
Hitachi	HUS151473VL3800	Ultrastar 15K146	Ultra320,	15Krpm	73GB,	1,2,5,6,7,8,9,10	
Fujitsu	MAT3073NC	-	U320	10Krpm	73GB	1,2,3,6,7,9	
Fujitsu	MAU3073NC	AL9LX SCSI-U320	Ultra320		73GB	1,2,3,6,7,9	
<b>Parallel ATA (PATA) Hard Drives</b>							
Seagate	ST3160023A	Barracuda 7200.7	ATA-133	7200 RPM 8Mb cache	160GB	1,2,3,5,6,7,8,9,10	
Seagate	ST3400823A	Barracuda 7200.7	ATA-133	7200RPM	400G	1,2,5,6,7,8,9,10	
Maxtor	7B300R0	Maxline III	ATA-133	7200 RPM	300GB	1,2,3,5,6,7,8,9,10	
Hitachi	HDS724040KL	Deskstar 7K400		7200RPM	400GB	1,2,3,5,6,7,8,9,10	
M-Systems	MD1150-D512	512MB– vertical 40 pin disk on chip technology				1,2,3,5,6,7,8,9,10	
<b>Serial ATA (SATA) Hard Drives</b>							
Maxtor	DiamondMax Plus 9	6Y060M0	SATA/150	7200	60GB	1,2,3,5,6,7,8,9,10	
Maxtor	6B300M0/6L300M0	DiamondMax 10	SATA-150	7200RPM	300GB	Blocked	
Maxtor	Maxline III 7B300S0/7L300S0	Maxline III	SATA 150,	7200 RPM, 8MB cache	300GB	1,2,3,5,6,7,9,	
Maxtor	6Y120M0	DiamondMax Plus 9	SATA-150	7200 RPM	120GB	2,5,8,10	
Western Digital	WD740GD	WD Raptor	SATA/150	10K RPM	74GB	1,2,3,5,6,7,8,9,	

Manufacturer	Product Family	Model Number	Interface	RPM	Drive size (GB)	Tested Operating Systems	Notes
						10	
Western Digital	WD1600JD	Caviar XL80II	SATA/150	7200 RPM	160GB	1,2,3,5,6,7,8,9, 10	
Hitachi	HDS724040KL SA80	Deskstar 7K400	SATA/150	7K RPM	400GB	1,2,3,5,6,7,8,9, 10	
Seagate	ST3400832AS	Barracuda 7200.8	SATA/150	7200 RPM	400GB	1,2,3,5,6,7,9,	

## 6. Installation Guidelines

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### 6.1 No Win2K3 EM64T driver for 3COM980C-TXM

Issue: No Win2k3 EM64T driver for 3COM980C-TXM

Implication: **Driver for an add-in card.**

Guideline:

Status: **OS is not supported by the vendor for this adapter**

### 6.2 No RHEL AS3.0 U4 driver for Sound Blaster Adfig 2 ZS

Issue: No RHEL AS3.0 U4 driver for Sound Blaster® Audig 2 ZS.

Implication: **Driver for an add-in card.**

Guideline:

Status: **No update**

### 6.3 No Win2K3 EM64T driver for 3COM 3C905CX-TX-M

Issue: No Win2k3 EM64T driver for 3COM 3C905CX-TX-M

Implication: **Driver for an add-in card.**

Guideline:

Status: **OS is not supported by the vendor for this adapter**

### 6.4 LSI 1020A controller posted message as “Error Adapter Manufacturing”

Issue: LSI 1020A controller posted message as following  
"Error! Adapter Manufacturing."  
Tracker #20718

System Configuration]  
CPU: Nocona 3.4GHz/800 E0 stepping x2  
Memory modules: Infineon 1GB/DDRII400 x 4  
IDE1: HD/CDROM  
SATA0: HD  
SATA1: HD  
OB SCSI 1020A: SCSI HDD X 6  
PCI slot 1: LSI 22320 U320 SCSI PCI-X133  
PCI slot 2: Intel SRCZCRXPP Palo Verde Mromb RAID boards (BIOS/FW: H420/T20E)  
PCI slot 3: ASC-39160  
PCI slot 4: Intel SRCU42E

PCI slot 5: Sureeye

**Implication:** LSI 1020A controller posted message as following  
"Error! Adapter Manufacturing."

**Guideline:** Only happened when LSI 22320 SCSI was on PCI 64bit slots.If I change ASC-39160 to PCI slot 1 and LSI 22320 to slot 3, this issue did not be occurred

**Status:** **Because of the design decision made on EP, the on-board option ROM must load as adapter option ROMs do not properly initialize the on-board controller.**

**Since LSI has moved to a single option ROM load scheme (i.e. one option ROM loads and controls all devices in the system), the on-board needs to run. For this to happen either the adapter needs to be place in a slot scanned after the on-board or the user must disable the adapter's option from loading. This can be accomplished by entering BIOS setup and disabling option ROM from loading in the slot corresponding to one the adapter is located.**

**No functionality will be lost by doing this.**

## 6.5 No Win2K3 Server EM64T driver for Creative Sound Blaster Live!

**Issue:** No Windoes 2003 Server EM64T driver for Creative Sound Blaster Live!.

**Implication:** **Driver for an add-in card.**

**Guideline:**

**Status:** According to Creative beta drivers were expected 2Q05,but they don't have a release schedule yet. Also, the drivers are for WinXP, and may or may not work.

## 6.6 No SLES9 driver for SRCS16 SATA RAID adapter.

**Issue:** [SLES 9] No appropriate driver for SRCS16 SATA RAID adapter  
OS version: SLES 9 RC5  
SLES 9 EM64T RC5  
Used driver: 1. V2.20.4.1 (Intel EP driver package 04-21-2005)  
2. V2.10.8.1 (Web)

**Implication:** After built RAID 5 or 1, can't find target device at installation

**Guideline:**

**Status:** Driver Version V2.20.4.6 is available for SLES9 SP1.

But there was no available driver for SLES9 RC5.

## 6.7 Can't find the Plextor PX-7 15SA DVD-ROM when installing SuSE SLES9.0EM64T.

Issue: Can't find the Plextor PX-716SA DVD-ROM when installing SuSE SLES 9.0 EM64T

Implication:

Guideline:

Status: Tried booting to SP1 CD, still no luck, no newer drivers in new kernel.

Issue is that EP/RP BIOS does not allow the switch from Enhanced to Compatible mode for SATA devices, and SUSE does not support Enhanced mode... However, switching on the RAID feature for onboard SATA does allow SUSE to see SATA devices as SCSI devices, however, when this is enabled, the system can no longer detect or boot from the CD-ROM.

Here is an article about SUSE's compatibility

<http://portal.suse.com/sdb/en/2004/01/sata.html>

EP BIOS support Compatiable mode, you need to set correct setup in BIOS setup menu.

Advanced->IDE Configuration->Mixed P-ATA / S-ATA->"First ATA Channel" set as "S-ATA M-S", or set "Second ATA Channel" as "S-ATA M-S". Then use corresponding SATA port to install SUSE.

Please try to change this setting and try to install SUSE.

After applying this change in the BIOS, I still receive the same error during the SLES 9.0 EM64T installation.

Closing this as Will not Fix since this is an OS issue.

## 6.8 Can't boot to X-window with video card in NW6.5 and SLES.

Issue: Can't boot to X-window with some Video card in NW6.5 and SLES

OS version: Netware 6.5 SP3

SLES 9 RC5

SLES 9 EM64T RC5

Video card list:

1. ATI FireGL V5100
2. ATI X700 Pro (RV410)
3. ATI X800XL(R430)
4. ATI X850XT PE (RV480)

Implication: **Driver for an add-in card.**

Guideline:

Status: No update.

## 6.9 No onboard SATA and SCSI driver for UNIX Ware7.1.3.

Issue: No onboard SATA and SCSI drivers for UNIX Ware

Implication: **HR-SATA RAID Driver for SCO UNIX Ware7.1.3**

Guideline:

Status: **Try driver v.1.03.29 from the LSI website**  
<http://www.lsil.com/downloads/license.do?id=2000&did=7160&pid=2095>

## 6.10 No ICH5R-HR driver for Linux RHEL AS2.1 U5.

Issue: No ICH5R-HR driver for Linux RHEL AS2.1 U5.

Implication: **Driver for an add-in card.**

Guideline:

Status: **The SATA RAID drivers do not support RHAS2.1 at all. The OS can be used with non-RAID SATA in legacy mode.**

## 6.11 No Creative Labs Blaster Audigy 2 driver for SLES9 RC5/EM64T.

Issue: [SLES] No driver for some sound adapter

Implication: **Driver for an add-in card.**

Guideline:

Status: OS version: SLES 9 RC5  
SLES 9 EM64T RC5

Sound adapter list: 1. Creative Labs 70SB024000005 Blaster Audigy 2  
2. Creative Labs 70SB013000000 Blaster Extigy USB

Can't find the driver at Creative Labs web side.

## 6.12 No Win2k3 EM64T and Win XP EM64T driver for Adaptec Serial ATA II RAID 1420SA

Issue: No Win2k3 EM64T and Win XP EM64T driver for Adaptec Serial ATA II RAID 1420SA.

Implication: **Driver for an add-in card.**

Guideline:

Status: No Update

### 6.13 Cannot boot with VGA-3D Labs Realizm 800 PCI Express x16.

Issue: Cannot boot with VGA-3DLabs Realizm 800 PCI Express x16.

Implication: Port2 issue.

Guideline:

Status:

**BIOS:P01,RC02.02**  
**Power supply Model:DPS-600MB A,REV:01**  
**Dual Monitor Vedio:Disable/Enabled**

**The card works normally under W2K when VGA output by port1& 2.  
But screen was all blank through Port2 before booting into OS. Regardless of Dual  
Monitor Video was enabled or disabled**

### 6.14 No AMCC 3ware 9500S-8 SATA RAID adapter for RHEL and SLES9 .

Issue: No RedHat RHEL AS3.0 U4 driver for AMCC 3ware 9500S-8 SATA RAID adapter.

Implication: **Driver for an add-in card.**

Guideline:

Status: OS version: SLES 9 RC5 SP1

Used driver: 1. sles90\_installdisk-x86-9.2 (3ware Web -> 3ware 9000 series)

Result:

After built RAID 1, can't find target device at installation.

PS. This driver can be used in SLES 9 RC5.

### 6.15 No AMCC 3ware 9500S-8 SATA RAID adapter for Netware6.5.

Issue: [NW6.5] CV- 3Ware 8506-8 no driver support

Implication: **Driver for an add-in card.**

Guideline:



Status: Compatibility Validation  
3Ware 8506-8 (SATA RAID Host Adapter)

OS not embedded and can't find on internet "3Ware homepage =>Software Downloads =>Driver".

**3ware does not support NW at all - these drivers are not and will not be available. This bug should be closed as 'will not fix'.**

## **6.16 System will appear some error message when pluned Adaptec Fireconnect 4300 in PCI slot under Windows XP.**

Issue: [When booted into Windows XP, the error messages will be appeared as follows:

"Using outdated Maxtor 1394 Front Panel Driver (MXOFWFP.SYS)

The function of this card is normal.

This issue is not seen with Windows 2000.

Implication: **Driver issue for an add-in card.**

Guideline:

Status: No Update.