



Intel[®] STL2 Server Board Tested Hardware & Operating System List



Revision 1.4

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Enterprise Platforms and Services Division

Revision History

Date	Revision Number	Modifications
10/4/00	1.0	Initial Release
3/27/01	1.1	Added text describing customer support commitment. Removed references to all operating systems that were baseline install only tested on STL2.
8/8/01	1.2	Initialized testing with listed hardware configuration: BIOS/BMC/HSC/FRU-SDR & chassis. Removed LSI Logic 22801, 22910, AMI MegaRAID Express 300 & Promise FastTrak 66. Added Adaptec ASR-2100S, Mylex AcceleRAID 170, & AMI Elite 1600 (493). (Section A to EOL list)
12/20/2001	1.3	Revised template to provide tracking for removed devices as well as configuration used to test; Incorporated SC5000, SR2050 & SR2100 chassis into one document. Added section B to EOL list Changed ISC to ISM (Control to Management)
2/4/2002	1.4	EOL'd adapters & HDD, added new HDD to list

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1. Introduction

This document is intended for use by Intel's customers and is intended to provide readers with a guide to the different technologies Intel tested on the STL2 server board. It provides tables to show the operating systems, adapter cards, and peripherals that Intel tested with the STL2 server board.

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 subsequently 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.

2. Operating Systems

This section contains the list of operating systems that Intel tested with the STL2 server board.

Intel commits to provide the following level of customer support for operating systems, adapter cards, and peripherals listed in this document:

- 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.
- Intel will provide support for resolution of customer issues related to the functionality of Intel® Server Management (ISM) software with the operating system, as long as the issue is within the scope of the server management feature set supported by the server board.
- 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 IHV for resolution, BIOS changes, firmware changes, or determining a customer acceptable workaround for the issue.
- Intel will enable Intel Server Management software functionality with the operating system release.
- Intel will provide and test operating system drivers for each onboard video, network, and storage controller.
- Intel will enable IHVs 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.

Operating System
Microsoft* Windows 2000 Advanced Server
Novell NetWare* 5.1
SCO UnixWare* 7.1.1
Red Hat* Linux 7.0

3. Adapter Cards and Peripherals

The following is a list of adapter cards and peripherals card Intel tested with the STL2 server board. 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. This is due to limitations in IHV driver availability.

3.1 Tested Hardware

	Microsoft Windows* 2000 Advanced Server	Novell NetWare* 5.1	SCO UnixWare* 7.1.1	Red Hat* Linux 7.0
PCI SCSI/RAID				
Adaptec* AAA-UDMA	1,2	1,2		
Adaptec AHA-3940AUWD	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
Adaptec AHA-3950U2B	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
Adaptec ASC-29160N	1,2	1,2	1,2	1,2
Adaptec ASC-29160LP	1	1		
Adaptec ASC-2940U2W	1	1		
Adaptec 2100S	2,3,4	2,3,4	2,3,4	
AMI MegaRAID 493	2,3,4	2,3,4	2,3,4	2,3,4
Intel® SRCU31	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
Intel® SRCU31L	1,2,3,4	1	1	1,2,3,4
Intel® SRCU32	3,4			3,4
LSI Logic* Sym22902	3,4			3,4
Mylex* AcceleRAID 170	2,3,4	2,3,4	2,3,4	2,3,4
Mylex AcceleRAID 170LP	2,3,4	2,3,4	2,3,4	2,3,4
Mylex* AcceleRAID 352	1,2,3,4	1,2,3,4	1,2,3,4	
Mylex Extreme RAID 1100	1	1		1
Mylex Extreme RAID 1164	2,3,4	1,2,3,4	2,3,4	2,3,4
PCI Fiber Channel Host Adapters				
Emulex* Light Pulse LP8000	1,2,3,4	1,2,3,4	2,3,4	1,2,3,4
Qlogic QLA2200	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
Qlogic QLA2200/66	1,2,3,4	1,2,3,4	1	1,2,3,4
PCI Network Interface Cards				
Adaptec ANA-62011/TX		1,2,3,4		1,2,3,4
Adaptec ANA-62044	2,3,4	1,2,3,4		1,2,3,4
3COM* 3C905C-TXM	1,2,3,4	1,2,3,4	1,2,3,4	1
3COM 3C980C-TXM	1,2,3,4	1,2,3,4	1	2,3,4
3COM 3C980-TX			2,3,4	2,3,4
Intel® EtherExpress™ PRO/100+ Server Adapter (PILA8470B)	1,2,3,4	1,2,3,4	2,3,4	2,3,4
Intel® PRO/1000 Gigabit Server Adapter (PWLA8490)	1	1		1,2,3,4
Intel PRO/1000F Gigabit Server Adapter (PWLA8490SX)	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4
Intel PILA8470D3G1L20	3,4			3,4

	Microsoft Windows* 2000 Advanced Server	Novell NetWare* 5.1	SCO UnixWare* 7.1.1	Red Hat* Linux 7.0
Modems				
3COM 5610 PCI Fax-Modem	1			
3COM 5686 External Fax-Modem	1			1
ActionTec* 56K Internal (PCI56012-01CW)	1		1	1
Digitan* World Wide Modem (DS560-558-WW)	1			
PCI Video Adapters				
Matrox* Millennium G200 SD	1	1	1	
PCI Audio Cards				
Creative Labs* Sound Blaster PCI 128	1			
USB Devices				
Intel® Create and Share Camera	1,2,3			
Logitech* wheel mouse	1,2,3			
Micron* Kanji Keyboard – PS/2 connector	1,2,3	1,2,3		
Microsoft* Intellimouse USB mouse	1,2,3			
Microsoft Natural Keyboard Elite	1,2,3			
Peracom* USB Quad Hub 4-port self-powered hub	1,2,3			
Phillips* DSS-370 USB Speakers	1,2,3			
Thrustmaster* Reflex USB 3D Joystick	1,2,3			
Server Management				
Intel® Arrowhead		1	1	
CD-ROM				
Mitsumi* CRMC-FX4820T (ATA)	1	1		1
Plextor* UltraPlex Wide (SCSI-UW)		1		
Samsung* SC – 148 (ATA)	1	1	1	
Samsung SN – 124T (ATA)	1	1	1	
Sony* CDU-224E	1	1	1	
Sony CDU-4821	2,3,4			
Teac* CD-224e (ATA)	1	1	1	
Teac CD-540e (ATA)	1	1		1
Toshiba* SM 6702B (ATA)	1	1		
Toshiba XM6401B (SCSI-N)	1	1		
Toshiba XM-6402B (ATA)	1	1	1	1
DVD				
Hitachi* GD7000 (ATA)	1	1		1
Samsung SD-612 (ATA)	1	1		1
Toshiba SD-M1212X (ATA)	1			
Tape Drives				
Exabyte* Mammoth 60GB	1	1		1
Quantum DLT 8000	1			1
Seagate* Scorpion 40 DDS-4 (SCSI)	1	1		
Removable Drives				
Mitsubishi* LS-120 Floppy (ATA)	1			

¹ Intel® server board STL2 previous to rev A28808-305; BIOS Release 1.8, Build 22; BMC Firmware 11.19; Intel® server chassis SC5000, HSC Firmware 0.3

² Intel® server board STL2 rev A28808-305; BIOS Release 1.8, Build 22; BMC Firmware

11.19; Intel® server chassis SC5000, HSC Firmware 0.3

³ Intel® server board STL2 rev A28808-305; BIOS Release 1.11, Build 25; BMC Firmware

11.19; Intel® server chassis SC5000, HSC Firmware 0.3

⁴ Intel® server board STL2 rev A28808-305; BIOS Release 1.11, Build 25; BMC Firmware

1.19; Intel® server chassis SR2050 or SR2100, HSC Firmware 0.6

Hard Disk Drives*

Make	Model	Family	RPM	Type	Capacity (GB)	Firmware	OS Compatibility
IBM	IC35L073UCD210	Ultrastar 73LZX	10K	SCA U160	73	S5BA	1,2,3,5
IBM	IC35L036UCD210	Ultrastar 73LZX	10K	SCA U160	36	S5BA	1,2,3,5
IBM	IC35L018UCD210	Ultrastar 73LZX	10K	SCA U160	18	S5BA	1,2,3,5
IBM	IC35L009UCD210	Ultrastar 73LZX	10K	SCA U160	9	S5BA	1,2,3,5
Fujitsu	MAN3184MC	AL-7LE	10K	SCA U160	18	108	1,2,4,5
Fujitsu	MAN3367MC	AL-7LE	10K	SCA U160	36	108	1,2,4,5
Fujitsu	MAN3735MC	AL-7LE	10K	SCA U160	73	108	1,2,4,5
Fujitsu	MAM3184MC	AL-7LX	15K	SCA U160	18	105	1,2,4,5
Fujitsu	MAM3367MC	AL-7LX	15K	SCA U160	36	105	1,2,4,5

* This test result is reported by IHV and does not reflect any testing performed by Intel.

IBM <http://www.ibm.com>

Fujitsu <http://www.fujitsu.com>

¹ Microsoft Windows* 2000 Advanced Server

² Novell NetWare* 5.1

³ Caldera UnixWare* 7.1.2

⁴ Caldera/SCO UnixWare* 7.1.1

⁵ Red Hat* Linux 7.1

3.2 End of Life (Discontinued) Products

End of life (discontinued) products will not be tested with new BIOS or firmware versions. These products may or may not work with newer versions of Intel BIOS and firmware. Customers are advised to use caution as data loss and/or system instability could occur if these products are used with newer Intel BIOS and firmware versions.

	Microsoft Windows* 2000 Advanced Server	Novell NetWare* 5.1	SCO UnixWare* 7.1.1	Red Hat* Linux 7.0
PCI SCSI/RAID				
AMI* MegaRAID Express 300	A	A	A	A
LSI Logic* Sym22801	A	A	A	A
LSI Logic Sym22910	A	A	A	A
Promise* Fast Trak 66	A	A	A	A
Adaptec Quartet	B	B	B	B
3COM 3C990 with DES	B	B	B	B
Qlogic QLA1280	B	B	B	B
Qlogic* QLA12160A	B	B	B	B
ICP-Vortex* GDT7538RN	C	C	C	C
ICP-Vortex GDT7628RN	C	C	C	C
Qlogic QLA124x	C	C	C	C
Qlogic QLA1280	C	C	C	C
ICP-Vortex GDT7529RN	C	C	C	C

^A EOL Q3 '01

^B EOL Q4 '01

^C EOL Q1 '02

End of Life (Discontinued) Hard Disk Drives							
Make	Model	Family	RPM	Type	Capacity (GB)	Firmware	EOL Date
IBM	36LP	UltraStar	7.2K	SCA U160	36	N/A	A
IBM	18LP	UltraStar	7.2K	SCA U160	18	N/A	A
IBM	N/A	Telesto	7.2K	ATA66	75	N/A	A
IBM	36LZX	UltraStar	7.2K	SCA U160	36	N/A	A
Quantum	LCT15	N/A	N/A	ATA66	N/A	N/A	A
Quantum	Atlas 10K II	Atlas	10K	SCA U160	9	N/A	A
Quantum	Atlas V	Atlas	N/A	SCA U160	18	N/A	A
Seagate	18XL	Barracuda	N/A	SCA U160	18	N/A	A
Seagate	ATA II	Barracuda	N/A	ATA66	10	N/A	A
Seagate	18LP	Cheetah	N/A	SCA U160	18	N/A	A

* This test result is reported by IHV and does not reflect any testing performed by Intel.

^A EOL Q1 '02