

Intel[®] STL2 Server Board/
SC5000 Chassis
Tested Hardware/OS List

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Rev 1.0



Revision History

Date	Revision Number	Modifications
10/4/00	1.0	Initial Release

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1. Introduction

Intel's Platform Validation Lab (PVL) validates that server platforms function in real-world environments by designing, conducting, and reporting the results of compatibility and stress testing procedures.

The following test configuration was used for the STL2 server board under test:

- Baseboard: STL2 server board PBA# DG7ES7
- SC5000 Chassis hot swap backplane (HSBP) Card PBA# 732396-502
- 933MHz Intel® Pentium® III processor with 256KB L2 Cache
- System BIOS Build 15, Release 1.1
- Hot Swap Controller (HSC) Firmware Version 0.01
- Baseboard Management Controller (BMC) Firmware Version 11.15
- FRU/SDR Version 4.3.5

Onboard components were used throughout testing unless otherwise stated.

2. Pass/Fail Criteria

For each operating system and hardware 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 operating system installed without error.
 - Manufacturer's installation instructions or PVL Best Known Methods (BKM) were used.
 - No extraordinary workarounds were required.
- The system behaved as expected during and after installation.
- Applications installed subsequently executed normally.
- Hardware compatibility tests run to completion without error.
- Test suites execute successfully.
 - Test/Data files are created in the correct directories without error.
 - Files copied from client to server and back compare to the original with 0 errors reported.
 - Clients remain connected.
 - Industry standard test suites run to completion with zero errors reported.

3. Operating System Compatibility

Below is a list of operating systems, versions, and service packs used in testing the STL2 server board.

Item	STL2
Operating Systems	
Windows* 2000 Advanced Server	Pass
Novell Netware* 5.1	Pass
UnixWare* 7.1.1	Pass
Red Hat Linux* 6.2 System Builder Edition 2	Pass
Legacy Operating Systems	
Windows NT* Server 4.0 (Enterprise Ed.) SP6	Pass
Novell Netware 4.2 (SP8a)	Pass
SCO OpenServer* 5.0.5	Pass
Baseline Install Only	
Sun Solaris 8	Pass

4. Hardware Tested

The following table contains a complete list of all hardware peripherals that were configured in the STL2 Server for these regression compatibility and stress runs.

	Microsoft Windows* 2000 Advanced Server	Novell NetWare* 5.1	SCO UnixWare* 7.1.1	RedHat Linux* 6.2 SBE2
PCI SCSI/RAID				
Adaptec AAA-UDMA	X	X		
Adaptec AHA-3940AUWD	X	X	X	X
Adaptec AHA-3950U2B	X	X		X
Adaptec ASC-29160N	X	X	X	X
AMI MegaRAID Express 300	X	X	X	
ICP-Vortex GDT7538RN	X	X	X	
ICP-Vortex GDT7628RN	X	X	X	
Intel SRCU31	X	X	X	X
Intel SRCU31L	X	X	X	X
LSI Logic Sym22801	X	X	X	X
LSI Logic Sym22910	X	X	X	
Mylex AcceleRAID 352	X	X	X	
Mylex Extreme RAID 1100	X	X		X
Promise Fast Trak 66	X			
Qlogic QLA12160A	X	X	X	
Qlogic QLA124x	X	X	X	
Qlogic QLA1282	X	X		
PCI Fiber Channel Host Adapters				
Emulex LP8000	X	X		
ICP-Vortex GDT7529RN	X	X	X	X
Qlogic QLA2200	X	X	X	X
PCI Network Interface Cards				
3COM 3C905C-TXM	X	X	X	X
3COM 3C980C-TXM	X	X	X	
3COM 3C990 with DES	X	X		
Adaptec Quartet	X	X		X
Intel Pro/100+ Server Adapter	X	X		
Intel Pro1000 Gigabit Server Adapter	X	X		X
Intel Pro/1000 II Gigabit Server Adapter	X	X	X	X
Modems				
3COM 5610 PCI Fax-Modem	X			
3COM 5686 External Fax-Modem	X			X
ActionTec 56K Internal (PCI56012-01CW)	X		X	X
Digitan World Wide Modem (DS560-558-WW)	X			
PCI Video Adapters				
Matrox Millennium G200 SD	X	X	X	

	Microsoft Windows* 2000 Advanced Server	Novell NetWare* 5.1	SCO UnixWare* 7.1.1	RedHat Linux* 6.2 SBE2
PCI Audio Cards				
Creative Labs Sound Blaster* PCI 128	X			
USB Devices				
Intel Create and Share Camera	X			
Logitech wheel mouse	X			
Micron Kanji Keyboard – PS/2 connector	X	X		
Microsoft Intellimouse USB Mouse	X			
Microsoft Natural Keyboard Elite	X			
Peracom USB Quad Hub 4 port Self Powered hub	X			
Phillips DSS-370 USB Speakers	X			
Thrustmaster Reflex USB 3D Joystick	X			
Server Management				
Intel Arrowhead		X	X	
CDROM				
Mitsumi CRMC-FX4820T (ATA)	X	X		X
Plextor UltraPlex Wide (SCSI-UW)		X		
Samsung SC – 148 (ATA)	X	X	X	
Samsung SN – 124T (ATA)	X	X	X	
Sony CDU-224E	X	X	X	
Teac CD-224e (ATA)	X	X	X	
Teac CD-540e (ATA)	X	X		X
Toshiba SM 6702B (ATA)	X	X		
Toshiba XM6401B (SCSI-N)	X	X		
Toshiba XM-6402B (ATA)	X	X	X	X
DVD				
Hitachi GD7000 (ATA)	X	X		X
Samsung SD-612 (ATA)	X	X		X
Toshiba SD-M1212X (ATA)	X			
Tape Drives				
Exabyte Mammoth 60GB	X	X		X
Quantum DLT 8000	X			X
Seagate Scorpion 40 DDS-4 (SCSI)	X	X		
Removable Drives				
Mitsubishi LS-120 Floppy (ATA)	X			
Hard Drives				
IBM UltraStar 36LP, 7200 RPM, SCA, Ultra160	X	X		
IBM UltraStar 18LP, 7200 RPM			X	X
IBM Telesto 75GB, 7200 RPM, ATA 66	X	X	X	
IBM UltraStar 36LZX, 10K, SCA, Ultra160		X	X	X
Quantum LCT15, ATA 66	X		X	
Quantum Atlas 10K II, 9GB, SCA, Ultra160	X		X	X
Quantum Atlas V, 18GB, SCA	X	X		X
Seagate Barracuda 18XL, SCA, Ultra160	X	X	X	X
Seagate Barracuda ATA II, ATA 66, 10GB		X		
Seagate Cheetah 18LP, SCA, Ultra160	X	X	X	X

