intel®

Server WHQL Testing Services

Enterprise Platforms and Services Division

Intel® Server S3210SHLC

Server Test Submission (STS) Report

For the Microsoft® Windows® Logo Program (WLP)

Rev 1.0

April 25, 2008

This report describes the Intel® S3210SHLC Server Platform Windows* Logo Program test run conducted by Intel Enterprise Platforms and Services Division (EPSD).

Purpose of this WLP Submission:

It's the first time submission for the Microsoft* Designed for Windows Logo submission for the Intel® Server Board S3210SHLC.

Submission Type:	Reason for test run	Check one
First Time Submission	Initial Microsoft Designed for Windows logo submission. New product submission.	☑
System Update	Hardware update. (For example, update submission test run with new processor speeds.)	☐
BIOS Update	BIOS and/or Firmware update. (For example, update submission test run with new BIOS to support additional processor speeds.)	☐
OS Update	OS update. (For example, update submission test run to add Microsoft Designed for Windows Server 2003 logo to product.)	☐

Revision History and Disclaimers

Revision History		
Revision	**Date**	**Comments**
1.0	4/25/2008	Internal draft of the STS Report for Windows Server 2008 Submission for Intel® Server Board S3210SHLC includes both 32 and 64 bits versions.

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Introduction

This report provides an overview of the testing conducted on the Intel® Server Board S3210SHLC with RAID enabled by Intel EPSD and provides details about this testing run.

Overview of Contents

Section	Content
Introduction	Brief descriptions of the sections in the report. Table listing terms and definitions.
Server Product Submission Information	Submission information, ID # and final server board configuration upon completion of WLP including HW, Driver version, BIOS version, and Board AA number
HCT	All HCT's used during testing
Errata and Contingencies	All Microsoft* errata or contingencies used during testing

Terms and Definitions

Term	Definitions
EPSD	Enterprise Platforms and Services Division
HCL	Windows Hardware Compatibility List. You can view the HCL at: http://www.microsoft.com/whdc/hcl/search.mspx
HCT	Hardware Compatibility Tests. For latest Server HCTs visit: http://www.microsoft.com/whdc/hwtest/system/default.mspx
STS	Server Test Submission Report published by EPSD
WHDC	Windows* Hardware and Driver Central. Provides technical information, development and testing kits, newsletters and support information. http://www.microsoft.com/whdc/default.mspx
WHOS	Windows Hardware Online Service – Secure online web site used to submit products for logo qualification and review submission history. https://winqual.microsoft.com/
WHQL	Windows* Hardware Qualification Lab. For more information visit the WHDC home page at: http://www.microsoft.com/whdc/default.mspx
WLP	Windows Logo Program. For further information see: http://www.microsoft.com/whdc/winlogo/default.mspx
WTS	Workstation Test Submission Report published by EPSD

Server Board Submission Information

Intel Server Board Submission Report: Completion of WLP

Data in this section reflects system submission information at the time of WLP Update submission.

Submission Information

Submission ID		
Submission ID / Master ID	1288951	
Submission Type		
	Check Submission Type	**Comments**
First-Time Hardware and Driver Test Submission	☑	
System Update Test Submission	☐	
Product Category		
Hardware Category	Server	
Operating System family	Windows Server 2008 (32 & 64 Bit)	
Product Detail		
General Product Information		
Equipment Type	Server	
Primary Target Market	Business/Corporate	
Compliance	All applicable requirements	
Characterization (optional)		
	Check appropriate options	**Comments**
Web Server	☑	
SQL Database Server	☑	
File Server	☑	

Server Board Configuration Information

Processor	
Quantity	1 (physical processor with support for either single, dual or Quad cores)
Front Side Bus Speed	1333 MHz
Family/Model	Intel Xeon processor 3000 Series and 3200 Series
Speed	3.0GHz
System Memory	
Amount Installed	8 GB
Memory Type	DDR-2 667/800MHz (4 DIMMs) ECC Unbuffered memory
Power Management	
ACPI Sleep States (S1, S2, S3, S4)	S1, S4,
Server Board Product	
System uses logo'd motherboard	NO (Server boards are NOT eligible for logo under the Microsoft* Motherboard logo program)
Board AA #/Fab	204 (D86139-204)
Board Manufacturer	Intel Corporation
Board Model	Intel® Server Board S3210SHLC
Northbridge* Chipset Manufacturer	Intel Corporation
Northbridge Chipset Model	Intel S3210 Chipset
Southbridge* Chipset Manufacturer	Intel Corporation
Southbridge Chipset Model	Intel ICH9R
BIOS	
BIOS Manufacturer	Intel Corporation.
BIOS Version	S3200X38.86B.00.00.0041.041820081051
BIOS Date	4/18/2008
BIOS URL (For Updates)	http://downloadcenter.intel.com/Product_Filter.aspx?ProductID=2869&lang=eng

Bus Types			
	Check all that Apply		**Check all that Apply**
PS/2	☑	AGP*	☐
1394	☐	PCCard* (16-bit)	☐
CF (Compact Flash)	☐	CardBus* (32-bit)	☐
PCI	☑	USB	☑
Mini-PCI	☐	USB 2.0	☑
AMR	☐	InfiniBand*	☐
ACR	☐	Bluetooth*	☐
COM (Serial)	☑	PCI Express	☑
Integrated Components			
	Check all that Apply		**Check all that Apply**
Audio	☐	Display	☑
IDE	☑	Networking	☑
SCSI	☐	RAID	☑
Modem	☐	Bluetooth*	☐

Onboard Integrated Devices and Drivers

Data in this section reflects system configuration at the time of WLP submission. The latest drivers for the Intel® Server Board S3210SHLC are available for download at:

http://downloadcenter.intel.com/

Technology	OS	Version
LAN 82566DM	**Windows Server 2008**	V9.12.16.0
	Windows Server 2008 64 Bit	V9.12.16.0
LAN 82541PI	**Windows Server 2008**	V8.3.9.0
	Windows Server 2008 64 Bit	V8.3.9.0
Serial ATA RAID **(ICH9-R)** Integrated 6-port Serial ATA II with support for RAID 0,1, 5 and 10	**Windows Server 2008**	V6.2.0.1019
	Windows Server 2008 64 Bit	V6.2.0.1019
Intel Bigby-P/ICH9 Chipset	**Windows Server 2008**	V8.3.1.1009
	Windows Server 2008 64 Bit	V8.3.1.1009

Product Data for HCL: Completion of WLP

Data in this section reflects product data for HCL at time of WLP submission.

Product Data	
Product Name	Intel® Server Board S3210SHLC
Additional Product Names	
Supported Platforms		
	Check Tested	**Comments**
Windows Server 2008, Web Edition	☑	
Windows Server 2008, Standard Edition	☑	
Windows Server 2008, Enterprise Edition	☑	
Windows Server 2008, Standard Edition 64 Bit	☑	
Windows Server 2008, Enterprise Edition 64 Bit	☑	

Hardware Compatibility Tests Used

Microsoft* Windows Hardware Driver Central Server Testing Home Page:
http://www.microsoft.com/whdc/hwtest/system/default.mspx.

Please check this website regularly for test kit updates.

Operating Systems	Notes	Driver test manager (DTM)
Windows Server 2008	DTM 1.1.6475.100 Test Procedures and Readme files for Windows XP SP2, Windows Server 2003 and Windows Server 2008	DTM 1.1.6475.100 Test Kit

Errata and Contingencies

N/A

Submission Readme File

Effective May 1, 2007, the new Microsoft standardized Readme form will be required for all hardware submissions that include any of the following testing exceptions:

- Test failures
- Tests not run
- Missing test logs
- Inconclusive test results

All testing exceptions must be identified with a valid Errata ID, Incident ID, or Contingency ID provided by WHQL. The new Microsoft standardized Readme file is available for download at:

http://www.microsoft.com/whdc/whql/WHQLdwn.mspx

Testing Exceptions for Intel® Server S3210SHLCS3210SHLC Windows Server 2008

N/A

Appendix A – Submission History

Microsoft "Designed for Windows*" logo submission history for the Intel® Server S3210SHLC:

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
1288951	First-Time	4/25/2008	Windows 2008 64 Bit Windows 2008	3.0G Quad-Core	Fab 204	S3200X38.86B.00.00.0041.041820081051