



Server WHQL Testing Services

Enterprise Platforms and Services Division

Intel® Server Board S4600LH2 Intel® Server System R2000LH2

Server Test Submission (STS) Report

For the Microsoft® Windows® Logo Program (WLP)

Rev 1.0

June 20, 2013

This report describes the Intel® Server Board S4600LH2 Windows* Logo Program test run conducted by Intel Enterprise Platforms and Services Division (EPSD).

Purpose of this WLP Submission:

System First Time submission for the Microsoft* Designed for Windows Logo submission for the Intel® Server Board S4600LH2 in None RAID configuration.

Windows Server 2008 R2 sp1 Submission Logo ID: 1570759

Windows Server 2008 sp2 x64bit & 32bit Submission Logo ID: 1570759

Submission Type:	Reason for test run	Check one
First Time Submission	Initial Microsoft Designed for Windows logo submission. New product submission.	<input checked="" type="checkbox"/>
System Update	Hardware update. (For example, update submission test run with new processor speeds.)	<input type="checkbox"/>
BIOS Update	BIOS and/or Firmware update. (For example, update submission test run with new BIOS to support additional processor speeds.)	<input type="checkbox"/>
OS Update	OS update. (For example, update submission test run to add Microsoft	<input type="checkbox"/>

	Designed for Windows Server 2008 logo to product.)	
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Revision History and Disclaimers

Revision History		
Revision	Date	Comments
1.0	06/20/2013	Internal draft of the STS Report for Windows Server 2008 R2 sp1 x64bit and Windows Server 2008 sp2 32bit&64bit Submission for Intel® Server Board S4600LH2 configured in None RAID mode

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Introduction

This report provides an overview of the testing conducted on the Intel® Server Board S4600LH2 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
DTM	All DTM tests 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
STS	Server Test Submission Report published by EPSD
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	1570759	
Submission Type		
	Check Submission Type	Comments
First-Time Hardware and Driver Test Submission	<input checked="" type="checkbox"/>	
System Update Test Submission	<input type="checkbox"/>	
Product Category		
Hardware Category	PC System or Server	
Operating System family	Windows Server 2008 R2 family; Windows Server 2008 family	
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	<input checked="" type="checkbox"/>	
SQL Database Server	<input checked="" type="checkbox"/>	
File Server	<input checked="" type="checkbox"/>	

Server Board Submission Information

Server Board Configuration Information

Processor	
Quantity	2 (physical processors installed)
Front Side Bus Speed	8.0 GT/s
Family/Model	Intel [®] Xeon E5 2600 series
Speed	2.20, 2.40, 2.50, 2.60, 2.70, 2.90 GHz
System Memory	
Amount Installed	1536 GB
Memory Type	DDR3
Power Management	
ACPI Sleep States (S1, S2, S3, S4)	S1
Server Board Product	
System uses logo'd motherboard	NO (Server boards are <u>NOT</u> eligible for logo under the Microsoft* Motherboard logo program)
Board AA #/Fab	PBA: G30981-402
Board Manufacturer	Intel Corporation
Board Model	Intel [®] Server Board S4600LH2
Northbridge* Chipset Manufacturer	N/A
Northbridge Chipset Model	N/A
Southbridge* Chipset Manufacturer	Intel Corporation
Southbridge Chipset Model	Intel [®] C600 -A chipset with support for Intel [®] C600 RAID Upgrade Keys
BIOS	
BIOS Manufacturer	Intel Corporation
BIOS Version	SE5C600.86B.01.07.0001.111620121607
BIOS Date	November 16, 2012
BIOS URL (For Updates)	http://www.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s4600lh-s4600lt.html?wapkw=s4600lh2

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

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 S4600LH2 are available for download at:

<http://www.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s4600lh-s4600lt.html?wapkw=s4600lh2>

Technology	OS	Version
Intel® C600 -A chipset	Windows Server 2008 R2 sp1 Windows Server 2008 sp2	v9.2.3.1028_whql / v9.2.3.1025(HECI)
Intel® I350	Windows Server 2008 R2 sp1 Windows Server 2008 sp2	v17.2-whql_rev1

Product Data for HCL: Completion of WLP

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

Server Board Submission Information

Product Data		
Product Name	Intel® Server Board S4600LH2	
Additional Product Names	Intel® Server System R2000H2	
Supported Platforms		
	Check Tested	Comments
Windows Server 2003 family	<input type="checkbox"/>	
Windows Server 2003 x64 family	<input type="checkbox"/>	
Windows Server 2008 family	<input checked="" type="checkbox"/>	
Windows Server 2008 R2 x64 family	<input checked="" type="checkbox"/>	

Hardware Compatibility Tests Used

Operating Systems	Notes	Hardware Compatibility Tests (HCT)
Windows Server 2008 R2 sp1		DTM 1.6.8367 Test Kit
	Logo'd Components Index Full Install	Logo'd Components Index Full Install
Windows Server 2008 sp2		DTM 1.6.8367 Test Kit
	Logo'd Components Index Full Install	Logo'd Components Index Full Install

Errata and Contingencies

Operating System	Identification Number	Title
Windows Server 2008 R2 sp1	N/A	<i>See Testing Exceptions section below</i>
Windows Server 2008 sp2	N/A	

Submission Readme File

Effective May 1, 2002, 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.

Testing Exceptions for S4600LH2 Windows Server 2008 R2 sp1

Data in this section reflects product data and test exceptions listed in section 2 of the S4600LH2 Readme file at time of WLP First-Time submission ID Number 1570759.

Operating system (Windows XP, Windows 2000, etc.)	Failure type (Contingency, Errata, Incident)	ID number
Windows Server 2008 R2		
Failing test name		
Applicable error message (Type N/A if the error message or failing text is excessive or if there is no text)	N/A	
Additional information (for example, test system in a multiple system configuration)	<i>no errata included with this submission</i>	

Testing Exceptions for S4600LH2 Windows Server 2008 sp2

Data in this section reflects product data and test exceptions listed in section 2 of the S4600LH2 Readme file at time of WLP First-Time submission ID Number 1570759.

Operating system (Windows XP, Windows 2000, etc.)	Failure type (Contingency, Errata, Incident)	ID number
Windows Server 2008 sp2		
Failing test name		
Applicable error message (Type N/A if the error message or failing text is excessive or if there is no text)	N/A	
Additional information (for example, test system in a multiple system configuration)	<i>no errata included with this submission</i>	

Additional Information

No additional information entered in section 3 of the S4600LH2 Submission Readme file at time of WLP submission ID 1570759.

Appendix A – Submission History

Microsoft “Designed for Windows*” logo submission history for the Intel[®] Server Board S4600LH2

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
1570759	First-Time	3/25/2013	Windows Server 2008 R2 sp1; Windows Server 2008 sp2	2.20, 2.40, 2.50, 2.60, 2.70, 2.90 GHz	402	SE5C600.86B.01.07.0001.111620121607