



## Server WHQL Testing Services

### Enterprise Platforms and Services Division

# Intel® Server Board S4600LT2 Intel® Server System R2000LT2

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## 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 S4600LT2 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 S4600LT2 in None RAID configuration.

**Windows Server 2012 Submission Logo ID: 1575879**

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 Designed for Windows Server 2008 logo to product.)	<input type="checkbox"/>

# Revision History and Disclaimers

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Revision History		
Revision	Date	Comments
1.0	06/20/2013	Internal draft of the STS Report for Windows Server 2012 Submission for Intel® Server Board S4600LT2 configured in None RAID mode

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# Introduction

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This report provides an overview of the testing conducted on the Intel® Server Board S4600LT2 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

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## 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	1575879	
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 2012 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 <sup>®</sup> Xeon E5 4600 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 <sup>®</sup> Server Board S4600LT2
Northbridge* Chipset Manufacturer	N/A
Northbridge Chipset Model	N/A
Southbridge* Chipset Manufacturer	Intel Corporation
Southbridge Chipset Model	Intel <sup>®</sup> C600 -A chipset with support for Intel <sup>®</sup> 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)	<a href="http://www.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s4600lh-s4600lt.html?wapkw=S4600Lh2">http://www.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s4600lh-s4600lt.html?wapkw=S4600Lh2</a>

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 S4600LT2 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 2012	v9.2.3.1028_whql / v9.2.3.1025(HECI)
Intel® 82599	Windows Server 2012	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 S4600LT2	
Additional Product Names	Intel® Server System R2000LH2	
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 type="checkbox"/>	
Windows Server 2008 R2 x64 family	<input type="checkbox"/>	
Windows 2012 family	<input checked="" type="checkbox"/>	



# Hardware Compatibility Tests Used

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Operating Systems	Notes	Hardware Compatibility Tests (HCT)
Windows 2012		WHCK 8.59.29819
	Logo'd Components Index Full Install	Logo'd Components Index Full Install

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## Errata and Contingencies

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Operating System	Identification Number	Title
Windows 2012	N/A	<i>See Testing Exceptions section below</i>

### 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 S4600LT2 Windows Server 2012

Data in this section reflects product data and test exceptions listed in section 2 of the S4600LT2 Readme file at time of WLP First-Time submission ID Number 1575879.

<b>Operating system</b> (Windows XP, Windows 2000, etc.)	<b>Failure type</b> (Contingency, Errata, Incident)	<b>ID number</b>
<b>Failing test name</b>		
<b>Applicable error message</b> (Type <b>N/A</b> if the error message or failing text is excessive or if there is no text)	N/A	
<b>Additional information</b> (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 S4600LT2 Submission Readme file at time of WLP submission ID 1575879.

## Appendix A – Submission History

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Microsoft “Designed for Windows\*” logo submission history for the Intel<sup>®</sup> Server Board S4600LT2

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
1575879	First-Time	3/25/2013	Windows 2012	2.20, 2.40, 2.50, 2.60, 2.70, 2.90 GHz	402	SE5C600.86B.01.07.0001.111620121607