



Server WHQL Testing Services
Enterprise Platforms and Services Division (EPSD)
Intel[®] Server Board S2400SC

Server Test Submission (STS) Report
For the Microsoft Windows* Logo Program (WLP)

Rev. 1.0

Oct. 17, 2012

This report describes the Intel[®] Server Board S2400SC 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 S2400SC in None RAID configuration.

Microsoft Windows Server 2012 family, x64 Submission Logo ID: 1528348

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 2012 family, x64 logo to product.)	

Revision History and Disclaimers

Revision History and Disclaimers

Revision History		
Revision	Date	Comments
1.0	10/17/2012	Internal draft of the STS Report for Microsoft Windows Server 2012 family, x64 submission for Intel [®] Server Board S2400SC configured in None RAID mode.

THIS TEST REPORT IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION OR SAMPLE.

Information in this document is provided in connection with Intel[®] products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by the sale of Intel products. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications.

Intel retains the right to make changes to its test specifications at any time, without notice.

The hardware vendor remains solely responsible for the design, sale and functionality of its product, including any liability arising from product infringement or product warranty.

Intel, Pentium, Itanium and Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

* Other names and brands may be claimed as the property of others.

Copyright © 2012, Intel Corporation. All rights reserved.

Contents

Revision History and Disclaimers	1
Introduction	4
Overview of Contents.....	4
Terms and Definitions	4
Server Board Submission Information	5
Intel Server Board Submission Report: Completion of WLP	5
Submission Information.....	5
Submission ID	5
Submission Type.....	5
Product Category	5
Product Detail.....	5
General Product Information	5
Characterization (optional)	5
Server Board Configuration Information	6
Processor.....	6
System Memory	6
Power Management	6
BIOS	6
Bus Types	7
Integrated Components.....	7
Onboard Integrated Devices and Drivers	7
Product Data for HCL: Completion of WLP	8
Product Data	8
Hardware Compatibility Tests Used	9
Errata and Contingencies.....	9
Submission Readme File	10
Testing Exceptions for S2400SC Microsoft Windows Server 2012 family, x64.....	11
Appendix A – Submission History.....	12

Introduction

This report provides an overview of the testing conducted on the Intel® Server Board S2400SC 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 (EPSD)
HCL	Windows Hardware Compatibility List*. Changed to Windows Server Catalogue*. You can view the catalogue at: https://sysdev.microsoft.com/zh-CN/Hardware/lpl/
DTM	Driver Test manager. For latest Server DTM tests visit: http://msdn.microsoft.com/en-us/library/windows/hardware/gg487533
STS	Server Test Submission Report published by EPSPD
WHQL	Windows Hardware Qualification Lab*. For more information visit the WHDC home page at: http://www.microsoft.com/whdc/whql/default.aspx
WLP	Windows Logo Program*. For further information see: http://www.microsoft.com/whdc/winlogo/default.aspx
WTS	Workstation Test Submission Report published by EPSPD.

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	1528348	
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	Microsoft Windows Server 2012 family, x64	
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 Configuration Information

Processor	
Quantity	2 (physical processors installed)
Front Side Bus Speed	8.0 GT/s
Family/Model	Intel® Xeon E5 2400 series
Speed	1.60, 1.80, 1.90, 2.00, 2.10, 2.20, 2.30, 2.40 GHz
System Memory	
Amount Installed	128 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 :G18552-402
Board Manufacturer	Intel Corporation
Board Model	Intel® Server Board S2400SC
Northbridge* Chipset Manufacturer	N/A
Northbridge Chipset Model	N/A
Southbridge* Chipset Manufacturer	Intel Corporation
Southbridge Chipset Model	Intel® C602 (-A) chipset with support for Intel® C600 RAID Upgrade Keys
BIOS	
BIOS Manufacturer	Intel Corporation
BIOS Version	SE5C600.86B.01.06.0001.090720121056
BIOS Date	Sep 07, 2012
BIOS URL (For Updates)	http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=21922&ProdId=3515&lang=eng&OSVersion=OS%20Independent%20&DownloadType=Firmware%20

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 S2400SC are available for download at:

<http://downloadcenter.intel.com/SearchResult.aspx?lang=eng&ProductFamily=Server+Products&ProductLine=Intel%c2%ae+Server+Boards&ProductProduct=Intel%c2%ae+Server+Board+S2400SC+Family>.

Technology	OS	Version
Intel® C602 -A chipset	Microsoft Windows Server 2012 family, x64	9.3.0.1021
Intel® 82574L	Microsoft Windows Server 2012 family, x64	12.1.77.0
Matrox* G200 2D Video Graphics controller	Microsoft Windows Server 2012 family, x64	4.0.2.4

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 S2400SC	
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"/>	
Microsoft Windows Server 2012 family, x64	<input checked="" type="checkbox"/>	

Hardware Compatibility Tests Used

Microsoft Windows Hardware and Driver Central* Server Testing Home Page:
<http://msdn.microsoft.com/en-us/library/windows/hardware/gg487533>

Please check this website regularly for test kit updates.

Operating Systems	Notes	Hardware Compatibility Tests (HCT)
Microsoft Windows Server 2012 family, x64	—	WHCK 2.0.9200
	Logo'd Components Index Full Install	Logo'd Components Index Full Install

Errata and Contingencies

Microsoft* System DTM Errata list is available at: <https://sysdev.microsoft.com/zh-CN/Hardware/EC/>

Operating System	Identification Number	Title
Microsoft Windows Server 2012 family, x64	N/A	See Testing Exceptions section below.

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. The new Microsoft* standardized Readme file is available for download at:

<http://www.microsoft.com/whdc/winlogo/WLK/default.aspx>.

Testing Exceptions for S2400SC Microsoft Windows Server 2012 family, x64

Data in this section reflects product data and test exceptions listed in section 2 of the S2400SC Readme file at time of WLP First-Time submission ID Number 1528348.

Operating system (Windows XP*, Windows 2000*, and so on)	Failure type (Contingency, Errata, Incident)	ID number
Microsoft Windows Server 2012 family, x64		
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)	No errata included with this submission.	

Appendix A – Submission History

Microsoft Designed for Windows* logo submission history for the Intel® Server Board S2400SC

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
1528348	First-Time	10/17/2012	Microsoft Windows Server 2012 family, x64;	1.60,1.80 1.90, 2.00, 2.10, 2.20, 2.30,2.40GHz	402	SE5C600.86B.01.06.0001. 090720121056