Server WHQL Testing Services

Enterprise Platforms and Services Division

Intel® Server Board S3420GPLX

Server Test Submission (STS) Report

For the Microsoft® Windows® Logo Program (WLP)

Rev 1.0

Mar. 22th, 2010

This report describes the Intel® Server Board S3420GPLX 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 S3420GPLX in None RAID configuration.

Windows® Server 2003 SP2 Submission Logo ID: 1396480 (S3420GPLX MB)

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 2008 logo to product.)	☐

Revision History and Disclaimers

Revision History		
Revision	**Date**	**Comments**
1.0	03/22/2010	Internal draft of the STS Report for Windows® Server 2003 SP2 Submission for Intel® Server Board S3420GPLX configured in None RAID mode

Contents

Introduction

This report provides an overview of the testing conducted on the Intel® Server Board S3420GPLX 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
HCL	Windows® Hardware Compatibility List. Changed to Windows® Server Catalogue. You can view the catalogue at: http://www.microsoft.com/windows/catalog/server/
DTM	Driver Test manager. For latest Server DTM tests 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/whql/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	1396480	
Submission Type		
	Check Submission Type	**Comments**
First-Time Hardware and Driver Test Submission	☑	
System Update Test Submission	☐	
Product Category		
Hardware Category	PC System or Server	
Operating System family	Windows® Server 2003 SP2 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	☑	
SQL Database Server	☑	
File Server	☑	

Server Board Configuration Information

Processor	
Quantity	1 (physical processors installed)
Front Side Bus Speed	QPI: 5.86 GT/s (Giga transfers per sec)
Family/Model	Intel$^®$ Core^{TM} i3 Desktop Processor
Speed	2.93 and 3.06GHz
System Memory	
Amount Installed	16 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: E51974-401
Board Manufacturer	Intel Corporation
Board Model	Intel$^®$ Server Board S3420GPLX
Northbridge* Chipset Manufacturer	N/A
Northbridge Chipset Model	N/A
Southbridge* Chipset Manufacturer	Intel Corporation
Southbridge Chipset Model	Intel$^®$ 3420 PCH
BIOS	
BIOS Manufacturer	AMI*
BIOS Version	S3420GP.86B.01.00.0040
BIOS Date	02/11/2010
BIOS URL (For Updates)	http://www.intel.com/Products/Server/Motherboards/S3420GP/S3420GP-overview.htm

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 S3420GPLX are available for download at:

http://www.intel.com/Products/Server/Motherboards/S3420GP/S3420GP-overview.htm

Technology	OS	Version
Intel® S3420 PCH Chipset	**Windows® Server 2003 SP2**	9.1.1.1014
LAN Intel® 82574L and Intel 82578DM Server Network Connection Supports 10/100/1000	**Windows® Server 2003 SP2**	14.2
Display Silicon motion SM712 video controller	**Windows® Server 2003 SP2**	WMD20090223

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 S3420GPLX
Additional Product Names	
Supported Platforms	

	Check Tested	Comments
Windows® Server 2003 family	☑	
Windows® Server 2003 x64 family	☑	
Windows® Server 2008 family	☐	
Windows® Server 2008 R2 x64 family	☐	

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	Hardware Compatibility Tests (HCT)
Windows® Server 2003 SP2		
	Logo'd Components Index Full Install	Logo'd Components Index Full Install

Errata and Contingencies

Microsoft® System DTM Errata list is available at:

https://winqual.microsoft.com/EC/

Operating System	Identification Number	Title
Windows® Server 2003 SP2		*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.mspx

Testing Exceptions for S3420GPLX Windows® Server 2003 SP2

Data in this section reflects product data and test exceptions listed in section 2 of the S3420GPLX Readme file at time of WLP First-Time submission ID Number 1396480 (S3420GPLX MB).

Additional Information

No additional information entered in section 3 of the S3420GPLX Submission Readme file at time of WLP submission ID 1396480 (S3420GPLX MB).

Appendix A – Submission History

Microsoft® "Designed for Windows®" logo submission history for the Intel® Server Board S3420GPLX

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
1396480 (S3420GPLX MB)	First-Time	03/22/10	Windows® Server **2003 SP2**	2.93 and 3.06GHz	401	S3420GP.86B.01.00.0040