



Server WHQL Testing Services
Enterprise Platforms and Services Division
Intel® Server Board S2600IP

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

Rev 1.0

March 20, 2012

This report describes the Intel® Server Board S2600IP 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 S2600IP in None RAID configuration.

Windows Server 2008 R2 sp1 Submission Logo ID: 1489697

Windows Server 2008 sp2 x64bit & 32bit Submission Logo ID: 1489697

| 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

| Revision History | | |
|------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision | Date | Comments |
| 1.0 | 03/20/2012 | 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 S2600IP configured in None RAID mode |
| | | |
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Introduction

This report provides an overview of the testing conducted on the Intel® Server Board S2600IP 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.aspx |
| 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.aspx |
| 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.aspx |
| WLP | Windows Logo Program. For further information see: http://www.microsoft.com/whdc/winlogo/default.aspx |
| 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 | 1489697 | |
| 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 | 1.80, 2.00, 2.20, 2.30, 2.40, 2.50, 2.60, 2.70, 2.90 GHz |
| System Memory | |
| Amount Installed | 512 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: G20993-202 |
| Board Manufacturer | Intel Corporation |
| Board Model | Intel [®] Server Board S2600IP |
| 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.01.02.0003.022820121335 |
| BIOS Date | Feb 28, 2012 |
| BIOS URL (For Updates) | https://www-ssl.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s2600ip.html?wapkw=s2600ip+ |

| 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 S2600IP are available for download at:

<https://www-ssl.intel.com/content/www/us/en/motherboards/server-motherboards/server-board-s2600ip.html?wapkw=s2600ip+>

| Technology | OS | Version |
|-------------------------------------------|-------------------------------------------------------|-------------------|
| Intel® C600 -A chipset | Windows Server 2008 R2 sp1 Windows Server 2008 sp2 | v9.2.3.1022 |
| Intel® I350 | Windows Server 2008 R2 sp1 Windows Server 2008 sp2 | v16.2 |
| Matrox* G200 2D Video Graphics controller | Windows Server 2008 R2 sp1 Windows Server 2008 sp2 | WDM20110516i.WHQL |

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 S2600IP | |
| Additional Product Names | | |
| 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

Microsoft* Windows Hardware Driver Central Server Testing Home Page:

<http://www.microsoft.com/whdc/hwtest/system/default.aspx>.

Please check this website regularly for test kit updates.

| 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

Microsoft* System DTM Errata list is available at:

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

| 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

Errata and Contingencies

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.msp>

Testing Exceptions for S2600IP Windows Server 2008 sp2

Data in this section reflects product data and test exceptions listed in section 2 of the S2600IP Readme file at time of WLP First-Time submission ID Number 1489697.

| 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 S2600IP Windows Server 2008 sp2

Data in this section reflects product data and test exceptions listed in section 2 of the S2600IP Readme file at time of WLP First-Time submission ID Number 1489697.

| 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 S2600IP Submission Readme file at time of WLP submission ID 1489697.

Appendix A – Submission History

Microsoft “Designed for Windows*” logo submission history for the Intel[®] Server Board S2600IP

| Submission ID | Type | Date | OS Qualified | Processor Speeds | Board Revision | BIOS Version |
|---------------|------------|-----------|-----------------------------------------------------|----------------------------------------------------------|----------------|-------------------------------------|
| 1489697 | First-Time | 3/20/2012 | Windows Server 2008 R2 sp1; Windows Server 2008 sp2 | 1.80, 2.00, 2.20, 2.30, 2.40, 2.50, 2.60, 2.70, 2.90 GHz | 504 | SE5C600.86B.01.02.0003.022820121335 |