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Intel® Server System
S7000FC4UR-SWR

Server Test Submission (STS) Report

For the Microsoft® Windows® Logo Program (WLP)

Rev 1.0

November 8, 2007

This report describes the Intel® S7000FC4UR Server System Windows* Logo Program test run conducted by Intel Enterprise Platforms and Services Division (EPSD). This submission covers the Value SKU version of S7000FC4UR tested in ESB2 SATA SW RAID mode.

Purpose of this WLP Submission:

System First Time submission for the Microsoft* Designed for Windows Logo submission for the Intel® Server System S7000FC4UR-SWR

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 2003 logo to product.)	☐

Revision History and Disclaimers

Revision History		
Revision	**Date**	**Comments**
1.0	11/8/2007	Internal version of the STS Report for Windows Server 2003 Submission for Intel® Server System S7000FC4UR Value SKU configured in SW RAID mode.

Contents

Introduction

This report provides an overview of the testing conducted on the Intel® Server System S7000FC4UR 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 System Submission Information

Intel Server System 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	**1269977**	
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 and Windows 2000 (Supported Status only for 2000) families	
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	4 (physical processors installed)
Front Side Bus Speed	1067 MHz
Family/Model	Quad-Core Intel® Xeon® Processors 7300 Series or Dual-Core Intel Xeon Processors 7200 Series
Speed	1.60, 1.86, 2.13, 2.40, and 2.93 GHz
System Memory	
Amount Installed	128 GB
Memory Type	FB DDR2-533 (4 GB FBDIMMs, ECC)
Power Management	
ACPI Sleep States (S1, S2, S3, S4)	S1, S4
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 : D56804-501
Board Manufacturer	Intel Corporation
Board Model	Intel® Server System S7000FC4UR
Northbridge* Chipset Manufacturer	Intel Corporation
Northbridge Chipset Model	Intel® 7300 Chipset Memory Controller Hub
Southbridge* Chipset Manufacturer	Intel Corporation
Southbridge Chipset Model	Intel® Enterprise Southbridge2
BIOS	
BIOS Manufacturer	AMI*
BIOS Version	SFC4UR.86B.01.00.0017
BIOS Date	8/15/2007
BIOS URL (For Updates)	htttp://support.intel.com/motherboards/server/S7000FC4UR/

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 System S7000FC4UR are available for download at:

ttp://support.intel.com/support/motherboards/server/S7000FC4UR/

Technology	OS	Version
Intel® S5000/ESB2-E Chipset The chipset contains two main components: the Memory Controller Hub (MCH) for the host bridge and the I/O controller hub for the I/O sub-system. The chipset uses the Enterprise South Bridge (ESB2-E) for the I/O controller hub.	**Windows Server 2003 – 32Bit** **Windows Server 2003 – 64Bit**	8.2.0.1008 8.2.0.1008
Embedded SATA (ESB2-E) Controller SW RAID mode	**Windows Server 2003** **Windows Server 2003 – 64Bit**	7.21.0601.2007 7.21.0601.2007
LAN 2 X Intel PRO/1000-EB Server Network Connection Supports 10/100/1000 and I/O Accelerated Technology (Intel 82563GB Controller)	**Windows Server 2003 – 32Bit** **Windows Server 2003 – 64Bit**	9.10.8.0 (Pkg 12.3) 9.10.8.0 (Pkg 12.3)
I/O Accelerated Technology	**Windows Server 2003 – 32Bit** **Windows Server 2003 – 64Bit**	1.2.78.6 1.2.78.6

Display ATI* ES1000 SVGA PCI video controller with 16 MB of video memory	**Windows Server 2003 – 32Bit** **Windows Server 2003 – 64Bit**	8.24.3.0 8.24.3.0
Trusted Platform Module The TPM is a security device that connects to the Enterprise Southbridge 2 LPC bus.	**Windows Server 2003 – 32Bit** **Windows Server 2003 – 64Bit**	1.0.4.0015 1.0.4.0015
Intel® ESG-SHV backplane (Null driver)	**Windows Server 2003 – 32Bit** **Windows Server 2003 – 64Bit**	5.00.6055.2 5.00.6055.2

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 System S7000FC4UR	
Additional Product Names		
Supported Platforms		
	Check Tested	**Comments**
Windows 2000 Server	☐	
Windows 2000 Advanced Server	☐	
Windows Server 2003, Web Edition	☑	
Windows Server 2003, Standard Edition	☑	
Windows Server 2003, Enterprise Edition	☑	
Windows Server 2003, Enterprise Edition 64 Bit	☑	

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* 2000	DTM 1.0.c Test Procedures for Systems, Servers and Cluster Servers (Windows 2000) http://download.microsoft.com/download/whistler/Docs/Docs/W982KMeXP/EN-US/HCT9502_Systems.exe	DTM 1.0.c Test Kit (Windows 2000) (35.4 MB) http://download.microsoft.com/download/whistler/Tools/Tools/W98NT42KMeXP/EN-US/HCT9502UPD.EXE
	Logo'd Components Index Full Install	Logo'd Components Index Full Install (~9.8 MB) http://download.microsoft.com/download/whistler/Install/20.0/W982KMeXP/EN-US/logoidx.exe
	391 NDIS Intermediate Drivers Instructions http://download.microsoft.com/download/whistler/Install/20.1/W982KMeXP/EN-US/NDISIntermedDriver.exe	Beta NDIS Test Update (ndt391.exe) (2MB) http://download.microsoft.com/download/whistler/Install/12.2/W982KMeXP/EN-US/ndt391.exe
	386 NDIS Intermediate Drivers Instructions http://download.microsoft.com/download/whistler/Install/20.1/W982KMeXP/EN-US/NDISIntermedDriver.exe	NDIS Test Update for Windows 98 SE, Windows Me, and Windows 2000 (ndt386.exe) (2.02MB) http://download.microsoft.com/download/whistler/Install/12.2/W982KMeXP/EN-US/ndt386.exe
Windows Server 2003	DTM 1.0.c Test Procedures and Readme files for Windows XP SP1 and Windows Server 2003 (4.95MB) http://www.microsoft.com/whdc/hwtest/search/details.aspx?ID=725	DTM 1.0.c (Windows XP SP1 and Windows Server 2003) Test Kit (4.95MB) http://www.microsoft.com/whdc/hwtest/search/details.aspx?ID=724
	Logo'd Components Index Full Install	Logo'd Components Index Full Install (~9.8 MB) http://download.microsoft.com/download/whistler/Install/20.0/W982KMeXP/EN-US/logoidx.exe

Errata and Contingencies

Microsoft* System DTM Errata list is available at:

http://www.microsoft.com/whdc/hwtest/search/results.aspx?type=errata&key=system&kit=-1

Operating System	Identification Number	Title
Windows Server 2003		*No errata applied to this submission*
Windows Server 2003		
Windows Server 2003		

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://download.microsoft.com/download/whistler/install/1.0/w98nt42kmexp/en-us/readme.exe

Testing Exceptions for S7000FC4UR-SWR-SWR Windows Server 2000

As of November 1st, 2004, Windows 2000 logs are no longer required for submission. Windows will only get a "Supported" status when submitted along with Windows Server 2003.

Testing Exceptions for S7000FC4UR-SWR-SWR Windows Server 2003 32 Bit

Data in this section reflects product data and test exceptions listed in section 2 of the S7000FC4UR-SWR Readme file at time of WLP First-Time submission ID Number 1269977

Operating system (Windows XP, Windows 2000, etc.)	Failure type (Contingency, Errata, Incident)	ID number
Windows Server 2003 EE 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)		
Additional information (for example, test system in a multiple system configuration)		

Testing Exceptions for S7000FC4UR-SWR Windows Server 2003 64 Bit

Data in this section reflects product data and test exceptions listed in section 2 of the S7000FC4UR-SWR Readme file at time of WLP First-Time submission ID Number 1269977

Operating system (Windows XP, Windows 2000, etc.)	Failure type (Contingency, Errata, Incident)	ID number
Windows Server 2003 EE 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)		

Additional information (for example, test system in a multiple system configuration)	

Additional Information

No additional information entered in section 3 of the S7000FC4UR-SWR Readme file at time of WLP submission ID 1269977.

Appendix A – Submission History

Microsoft "Designed for Windows*" logo submission history for the Intel$^®$ Server S7000FC4UR:

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
1269977	First-Time	11/7/2007	Windows Server 2003 EE SP2 32-bit and 64-bit	1.60, 1.86, 2.00, 2.33, 2.66, 3.00, 3.20, and 3.73 GHz	501	SFC4UR.86B.01.00.0017 8/15/2007