Monthly Specification Update

Intel® Server Boards S5500WBR, S5500WB12VR, Intel® Server System SR1690WBR and Intel® Server System SR1695WB

Revision History

Date	Modifications
April, 2009	Initial release.
June, 2009	Fixed erratum 2, 18, 19. Added erratum 22.
July, 2009	No Update.
August, 2009	Add Intel® Server System SR1690WB related information.
January, 2010	Added erratum 30.
February, 2010	Added erratum 31, 32.
March, 2010	Added Intel® Xeon® Processor 5600 Series support in documentation.
April, 2010	Added Intel® Server System SR1690WBR related information.
May, 2010	No Update.
June, 2010	Updated the status of existing erratum 8, 22, 27.
July, 2010	Added Intel® Server System SR1695WB related information.
August, 2010	No Update.
September, 2010	Add erratum 35.
October, 2010	Update erratum 34 and add erratum 36.
November, 2010	Update Intel® Server Board S5500WB, Intel® Server System SR1690WB and SR1695WB configuration guide to rev 2.0
December, 2010	Update erratum 31, add erratum 37, 38, update Intel® Server Board S5500WB, Intel® Server System SR1690WB and SR1695WB configuration guide to rev 2.1
January, 2011	Update erratum 35, update Intel® Server Board S5500WB, Intel® Server System SR1690WB and SR1695WB configuration guide to rev 2.2
April, 2011	Update erratum 31, 36 and 39, update configuration guide to rev 2.4, update Intel® Server System SR1690WB TPS to rev 1.7, update Intel® Server Board S5500WB to rev 1.8

Disclaimers

The Monthly Specification Update Server System may contain design defects or errors known as errata that may cause the product to deviate from the published specifications. Current characterized errata are documented in this Specification Update.

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Contents

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Preface

This document is an update to the specifications contained in the *Intel® Server Boards S5500WB and S5500WB12V Technical Product Specification* (Order Number E53971), *Intel® Server System SR1690WB Technical Product Specification* (Order Number E72797) and *Intel® Server System SR1695WB Technical Product Specification* (Order Number E92079). It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It will contain specification changes, specification clarifications, errata, and document changes.

Refer to the *Intel® Xeon® Processor 5500 Series Specification Update and Intel® Xeon® Processor 5600 Series Specification Update* for specification updates concerning the Intel® Xeon® Processor 5500 Series and Intel® Xeon® Processor 5600 Series. Items contained in the *Intel® Xeon® Processor 5500 Series and Intel® Xeon® Processor 5600 Series Specification Update* that either do not apply to the *Intel® Server Boards S5500WB and S5500WB12V* or have been worked around are noted in this document. Otherwise, it should be assumed that any processor errata for a given stepping are applicable to the Printed Board Assembly (PBA) revisions(s) associated with that stepping.

Refer to the *Intel® 5520 and Intel® 5500 Chipsets I/O Hub (IOH) Specification Update (Order Number 313069)* for specification updates concerning the *Intel® 5520 and Intel® 5500 Chipsets I/O Hub (IOH)*. Items contained in the *Intel® 5520 and Intel® 5500 Chipsets I/O Hub (IOH) Specification Update* that either do not apply to the *Intel® Server Boards S5500WB and S5500WB12V* or have been worked around are noted in this document. Otherwise, it should be assumed that any chipset errata for a given stepping are applicable to the Printed Board Assembly (PBA) revisions(s) associated with that stepping.

Refer to the *Intel® I/O Controller Hub 10 (ICH10) Family Specification Update (Order Number 319974)* for specification updates concerning the *Intel® I/O Controller Hub 10 (ICH10) Family*. Items contained in the *Intel® I/O Controller Hub 10 (ICH10) Family Specification Update* that either do not apply to the *Intel® Server Boards S5500WB and S5500WB12V* or have been worked around are noted in this document. Otherwise, it should be assumed that any chipset errata for a given stepping are applicable to the Printed Board Assembly (PBA) revisions(s) associated with that stepping.

1.   Nomenclature

- **Specification Changes** are modifications to the current published specifications for Intel® server boards. These changes will be incorporated in the next release of the specifications.

- **Specification Clarifications** describe a specification in greater detail or further highlight a specification's impact to a complex design situation. These clarifications will be incorporated in the next release of the specifications.

- **Documentation Changes** include typos, errors, or omissions from the current published specifications. These changes will be incorporated in the next release of the specifications.

- **Errata** are design defects or errors. Errata may cause the server board behavior to deviate from published specifications. Hardware and software designed to be used with any given processor stepping must assume that all errata documented for that processor stepping are present on all devices.

2.   Product Scope

The following specific boards, BIOS and components are covered by this update:

Product Code	Baseboard PBA Revision	BIOS Revision	BMC Revision	FRU/SDR Revision	ME Revision	EEPROM Revision	Backplane Firmware Revision	Power Supply Revision	Change Description (PCN#)
S5500WB	E48472-305	R0030	00.33	6	1.10	105	N/A	N/A	Product Launch
S5500WB	E48472-306	R0030	00.33	6	1.10	105	N/A	N/A	PCN# 109466-00
S5500WB	E48472-307	R0038	00.42	9	1.2	105	N/A	N/A	PCN# 109435-01
S5500WBR	E48472-311	R0043.1	00.45	9	1.11	105	N/A	N/A	Product Launch
S5500WB12V	E40367-305	R0030	00.33	6	1.10	105	N/A	N/A	Product Launch
S5500WB12V	E40367-306	R0030	00.33	6	1.10	105	N/A	N/A	PCN# 109466-00
S5500WB12V	E40367-307	R0038	00.42	9	1.2	105	N/A	N/A	PCN# 109435-01
S5500WB12VR	E40367-311	R0043.1	00.45	9	1.11	105	N/A	N/A	Product Launch
SR1690WB	E40367-305	R0030	00.33	6	1.10	105	Fab 2	B	Product Launch
SR1690WBR	E48472-306	R0043.1	00.45	9	1.11	105	Fab 2	B	Product Launch
SR1695WB	E40367-311	R0043.1	00.45	9	1.11	105	2.11	B	Product Launch

Summary Tables of Changes

The following tables provide an overview of known errata and known document changes that apply to the specified Intel Server Products. The tables use the following notations:

Doc: Intel intends to update the appropriate documentation in a future revision.

Fix: Intel intends to fix this erratum in the future.

Fixed: This erratum has been previously fixed.

No Fix: There are no plans to fix this erratum.

Shaded: This erratum is either new or has been modified from the previous specification update.

Table 1. Errata Summary

No.	Plans	Description of Errata
1.	Fix:	Errors are reported during the installation of SuSE* SLES 10 EM64T
2.	Fix:	Hyper-Threading cannot be disabled in BIOS setup
3.	No Fix:	A critical interrupt is logged in the System Event Log (SEL) when installing SuSE* SLES 10 32-bit
4.	No Fix:	Wake on LAN (WOL) does not work on 1GB IO Modules
5.	Fixed:	Is SATA compatabiltiy mode, the operating system may take more than four hours to install
6.	Fix:	Serial Console may display extra text or intermingled text
7.	Fix	The PXE boot option is missing in BIOS setup
8.	Fix	Fans may boost temporarily when the BMC is under load
9.	Fix	Extra events may be seen in the SEL during system reset
10.	Fix	BIOS setup may report incorrect firmware versions
11.	Fix	Hard drive status LED for blank drive slots may blink amber when system is in AHCI mode
12.	No Fix	If the server board battery is missing, firmware will detect it as present and good
13.	Fix	Server board can't detect a 10Gb or QDR IB IO Module without a PCI Riser installed
14.	Fixed	Cannot Update DVD Drive Firmware when 6 DIMMs are installed
15.	Fix	Closed Loop Thermal Throttling (CLTT) is not automatically detected and set when using unbuffered memory (UDIMMs)
16.	Fixed	Intel Deployment Assistant cannot be used to perform unattended Windows OS installs
17.	Fix	DCMI Capabilities test failure: Temperature Sensor Discovery
18.	Fix	DCMI Capabilities test failure: VLAN Support test
19.	Fix	DCMI conformance test failure: LAN configuration ARP control
20.	Fix	System Hangs when AXX4SASMOD I/O Module set to ESRTII
21.	No Fix	Dual Display Not Working In SuSE* 10 32-bit
22.	Fix	Excessive Time to Enter or Exit EFI Shell When AHCI is Enabled in BIOS Revision R0037
23.	Fix	Error numbering of SATA ports in TPS rev1.0
24.	Fix	Error numbering of SATA ports in Quick Reference Label
25.	Fix	Error numbering of SATA ports in Quick Start User Guide
26.	No Fix	HDD status LED on HDD carrier will light as bright amber during rebuild
27.	Fix	Port 1, 2, 3 fault LED (Amber) on HDD backplane will be flashing during POST

No.	Plans	Description of Errata
28.	No Fix	System power parameters cannot be displayed under Intel® Active System Console
29.	Fix	System May Not Configure to CLTT Mode when using Unbuffered Memory with Thermal Sensors
30.	No Fix	SLES11 kernel may halt for 20 seconds during installation with default BIOS setting
31.	Fix	High CPU utilization may occur when installing or running Microsoft Windows Sever 2008 R2* or Microsoft Windows 7* with default NIC driver
32.	No Fix	No communication between BMC and PSU in Intel® Server System SR1690WB
33.	No Fix	Intel® Server System SR1695WB may record a System Event Log (SEL) entry during an unexpected power loss
34.	Fixed	Intel® Server System SR1695WB Quick Star User's Guide (QSUG) doesn't show two Power Supply Units (PSU) for AC sku
35.	No Fix	System may go to EFI first instead of Hardware RAID configuration setup page
36.	No Fix	Lower network performance may be observed when Hyper-V role is added in Windows* Server 2008 R2 with more than 32G memory
37.	No Fix	System may not enter LSI* 9260-4i/8i RAID card webBIOS when both LSI* 9260-4i/8i and LSI* 20320-R SCSI card installed
38.	No Fix	System with BIOS Revision R0054 may hang when Adaptec* 5405 or 5805 RAID card installed
39.	Fix	System may get blue screen on display during the installation of Windows* Server 2008 R2 under UEFI mode

Table 2. Documentation Changes

No.	Plans	Document Name	Description of Documentation Change
1.			
2.			
3.			
4.			

The following sections provide in-depth descriptions of each erratum/documentation change indicated in the tables above. The errata and documentation change numbers referenced in the following sections correspond to the numbers in the tables above.

Errata

1.   Errors are reported during the installation of SuSE* SLES 10 EM64T

Problem   When installing SuSE* SLES 10 EM64T with Advanced Error Reporting (AER) capabilites enabled, an AER error is logged in the operating system event log.

Implication   AER uses an optional ACPI requirement, -OCS, that is not available in the S5500 BIOS revisions. There is no functional impact.

Status   This issue may be fixed in a future BIOS revision.

Workaround   None

2.   Hyper Threading cannot be disabled in BIOS setup

Problem   In the BIOS Setup Menu: \Advanced\Processor, setting the Hyper Threading option to disabled will initially indicate the option is disabled. However, when the user re-enters BIOS Setup, the option will be enabled.

Implication   Users that desire to disable Hyper Threading will not be able to do so.

Status   This issue is fixed in BIOS 37.

Workaround   None

3.   A critical interrupt is logged in the System Event Log (SEL) when installing SuSE* SLES 10 32 bit

Problem   A critical interrupt, PCIe Fat Sensor –[severity] event: Critical Interrupt, is logged during the installation of SuSE* SLES 10 32 bit.

Implication   The user will see a PCIe crtical event logged. There is no functional impact.

Status   No Fix.

Workaround   Ad "noisapnp" to the command line option to prevent scanning of a ISA plug and play devices.

4.   Wake on LAN does not work on 1 GB I/O modules

Problem   When a 1 GB dual or quad port I/O module is installed, the system will not be able to wake from the S1 sleep state using the WOL feature.

Implication   Users will not be able to utilize WOL with 1 GB dual or quad port I/O modules.

Status   No Fix.

Workaround   None

5.   In SATA compatibility mode the operating system may take more than four hours to install

Problem   When the BIOS setup option: \Advanced\Mass Storage Controller Configuration\Configure SATA Mode is set to Compatiblity mode, Red Hat* RHEL 5.x may take in excess of four hours to install.

Implication   Users may experience an extended installation time when SATA Mode is configured as Compatilbility mode and installing Red Hat* RHEL 5.x.

Status   This issue was fixed in BIOS 33 and BMC 34.

Workaround   None

6.   Serial Console mode may display extra text or intermingled text

Problem   When operating in serial console mode, during POST the user may notice 1 of 2 conditions.

                1. The user may see the numeral 10 displayed at the top right corner of the screen, or

                2. The RAID controller information may be intermingled with the platform information displayed by BIOS.

Implication   There is no functional impact associated with this erratum.

Status   This may be fixed in a future BIOS revision.

Workaround   None

7.   The PXE boot option is missing in BIOS Setup

Problem   If a user disables the primary (onboard) video in BIOS Setup, the PXE boot
                 option will disapear from the BIOS Boot Manager.

Implication   Users that desire to utilize the PXE boot option must leave the primary
                 (onboard) video enabled.

Status   This issue may be fixed in a future BIOS revision.

Workaround   None

8.   Fans may boost temporarily when BMC is under load

Problem   The system fans may boost when the BMC is operating under a heavy load.
                 This can include large sequential BMC tasks such as viewing the system event
                 log, configuring the BMC or resetting the system. The fans return to normal
                 automatically after the BMC operations are complete.

Implication   The systems fans will run at a higher state temporarily, increasing the
                 acoustics.

Status   This issue was fixed BMC 43 release.

Workaround   None

9.   Extra events may be seen in the SEL during system reset

Problem   The BMC may log periodic, spurious SEL events during a system reset or AC
                 power cycle. These events may appear as fan errors or double appearances of
                 normal events. The spurious fan readings will only happen during reset and are
                 not an indication of an actual fan failure. Fan failure events that occur during a
                 reboot should be ignored.

                 Below SEL entries indicate the POST process after system reset/AC power
                 cycle.

                 *System Event/BIOS Evt Sensor (# 0x83) Timestamp Clock Sync. 1st of pair.
                 Asserted Event.*

                 *System Event/BIOS Evt Sensor (# 0x83) Timestamp Clock Sync. 2nd of pair.
                 Asserted Event.*

Implication   The SEL log may indicate fan errors or double instances of normal events
                 intermittently.

Status	This issue may be fixed in a future BMC release.
Workaround	None

10. BIOS setup may report an incorrect firmware versions

Problem	The BIOS setup screens to display the versions of SDR and ME firmware version may report an incorrect version. The version displayed may be of the previously installed versions.
Implication	After firmware update, the BIOS screens may not show the correct version until the system is AC cycled.
Status	This issue may be fixed in a future BMC release.
Workaround	None

11. Hard drive status LED for blank drive slots may blink amber when system is in AHCI mode

Problem	The hard drive status LEDs for empty drive slots may blink amber when the system is operating in AHCI mode.
Implication	The hard drive status LED may indicate a false status for an unpulated drive slot.
Status	This issue may be fixed in a future BIOS or BMC release.
Workaround	None

12. If the Server Board battery is missing, firmware will detect it as present and good

Problem	The firmware will detect a serverboard battery as present and good when it is missing.
Implication	A missing battery will not be reported. If a battery is present, it will still accurately report the health of the battery. Problem is only seen when the battery is missing.
Status	This issue will NOT be fixed.
Workaround	None

13. Server Board can't detect a 10Gb IO Module or a QDR IB IO Module without a PCI Riser installed

Problem	When the riser is removed from the server board, the PCI-E lane settings prevent a x8 PCI-E IO Module (10GbE or QDR IB) from being detected.
Implication	Problem is only seen with the x8 PCI-E IO Modules and only when a riser is removed. This problem does not affect the other IO Modules.
Status	This issue may be fixed in a future revision of the server board.
Workaround	Be sure that a riser is installed when using the 10GbE or QDR IB IO Modules.

14. Cannot update DVD Drive FW when 6 DIMMs are installed

Problem	When all memory channels are populated and active, the FW update for the SATA DVD drive fails.
Implication	System must not have 6 or more DIMMs installed if updating the DVD Drive FW.
Status	This issue may be fixed in a future BIOS revision.
Workaround	None

15. Closed Loop Thermal Throttling (CLTT) is not automatically detected and set when using unbuffered memory (UDIMMs)

Problem	When using UDIMMs, CLTT will not automatically be selected if using the "Auto" feature on the System Acoustics and Performance page of BIOS setup. Users must ensure that the Serial Presence Detect (SPD) on *ALL* installed DIMMs supports CLTT. If the user is unsure if *ALL* DIMMs installed support CLTT, then the user should maintain the system in Open Loop Thermal Throttling (OLTT).
Implication	If users elect to utilize UDIMMs in their system, they must manually enable CLTT in BIOS setup. If the setting is left on "Auto" with UDIMMs installed, the setting will revert to OLTT.
Status	This issue may be fixed in a future BIOS revision.
Workaround	None

16.   Intel Deployment Assistant (IDA) cannot be used to perform unattended Windows OS installs

Problem   The OSD.XML file included on the Resource CD is incorrect and prevents IDA from properly installing RAID drivers when preparing an unattended install.

Implication   IDA cannot be used to prepare unattended installations of Windows OS's.

Status   This issue may be fixed in a future revision of the Resource CD.

Workaround   None

17.   DCMI Capabilities test failure: Temperature Sensor Discovery

Problem   The DCMI conformace test will report a failure in the temperature sensor discovery test if no temperature sensor is found in the chassis. A front panel temperature sensor is required to pass the DCMI conformance test.

Implication   The DCMI conformance test suite will report a failure.

Status   This issue will NOT be fixed.

WORKAROUND   None

18.   DCMI Capabilities test failure: VLAN Support test

Problem   The DCMI conformance test may report a failure in the VLAN support test. This is due to a lack of VLAN support in the BMC.

Implication   The DCMI conformance test suite will report a failure. VLAN ID tagging is not supported by the BMC.

Status   This issue is fixed in BMC 38.

Workaround   None

19.   DCMI conformance test failure: LAN configuration ARP control

Problem   The DCMI conformance test may report a failure when testing the BMC's ARP
                 control parameters. The BMC does not support gratuitous ARP generation.

Implication   The DCMI conformance test suite will report a failure. The BMC can only
                 support ARP responses, but gratuitous ARP messages are not supported by
                 the BMC.

Status   This issue is fixed in BMC 38.

Workaround   None

20.   System Hangs when AXX4SASMOD I/O Module set to ESRTII

Problem   In BIOS set the Intel SAS Entry RAID (AXX4SASMOD) module to Enabled and
                 set the Configure Intel SAS Entry RAID to Intel ESRTII. When the system
                 resets it will hang before video appears.

Implication   Only the IT/IR mode will work with the AXX4SASMOD module. Use BIOS
                 Reset jumper to recover from setting ESRTII mode. This will set the BIOS
                 defaults allowing the system to boot.

Status   This issue may be fixed in a future BIOS release.

Workaround   None

21.   Dual Display Not Working In SuSE* 10 32-bit

Problem   Dual display does not work when starting the GUI. It fails with the error
                 message, "Fatal server error: Caught signal 11. Server aborting.".

Implication   The video would work through one port on the add-in card but not on the
                 onboard video and the add-in card at the same time. This only affects the 32-
                 bit OS. The 64-bit version of the OS works after editing the xorg.conf file.

Status   This issue will NOT be fixed.

Workaround   Use 64-bit OS.

22. Excessive Time to Enter or Exit EFI Shell When AHCI is Enabled in BIOS Revision R0037

Problem   If AHCI is enabled in BIOS setup, it will take the user approximately three or more minutes to enter the EFI shell from BIOS setup and approximatley three or more minutes to exit the EFI shell.

Implication   Users should expect long delays when entering the EFI shell from BIOS setup if AHCI is also enabled.

Status   This issue was fixed in BIOS 42.

Workaround   None

23. Error numbering of SATA ports in TPS rev1.0

Problem   SATA ports numbering is 1 to 6 on baseboard, and 1 to 4 on backplane.

Implication   The description of SATA ports can not match the port numbering in BIOS.

Status   This issue has been fixed in new TPS rev1.1.

24. Error numbering of SATA ports in Quick Reference Label

Problem   The SATA ports numbering in QRL is from 1 to 6.

Implication   The description of SATA ports can not match the port numbering in BIOS.

Status   This issue may be fixed in future QRL release.

25. Error numbering of SATA ports in Quick Start User's Guide

Problem   The SATA ports numbering in QSUG is from 1 to 6.

Implication   The description of SATA ports can not match the port numbering in BIOS.

Status   This issue may be fixed in future QRL release.

26. HDD status LED on HDD carrier will light as bright amber during rebuild

Problem   HDD status LED will demo as bright amber (close to yellow) during rebuild, which is differentiated from amber as described in TPS.

Implication   HDD fault LED(Amber) and HDD activity LED(Green) are sharing the same light pipe. They may light together during rebuild.

Status   This issue will NOT be fixed.

27.   Port 1, 2, 3 fault LED (Amber) on HDD backplane will be flashing during POST

Problem   The Amber LED of HDD on front panel will be flashing randomly during system POST.

Implication   The blinking amber LED during POST does not indicate HDD fault. It is root caused to BIOS issue.

Status   This issue was fixed in BIOS release R0042.

28.   System power parameters cannot be displayed under Intel® Active System Console

Problem   When checking power status under Intel® Active System Console, the power parameters for system/PSU cannot be displayed.

Implication   iASC cannot read out current system power consumption and rating.

Status   Will not fix.

Workaround   None

29.   System May Not Configure to CLTT Mode when using Unbuffered Memory with Thermal Sensors

Problem   When user goes to "CLTT" mode under "System Acoustics and Performance Configuration" > "Set Throttling Mode" in BIOS version 38. After changing the "Set throttling mode" from default "AUTO" to "CLTT" mode and saving it by pressing F10 key. In next reboot and entering into BIOS settings, CLTT mode is changes to "OLTT" mode.

Implication   CLTT Mode is the preferred operating mode but when using UDIMM's with thermal sensors the system changes to OLTT mode.

Status   This issue may be fixed in BIOS 41.

Workaround   None

30. SLES11 kernel may halt for 20 seconds during installation with default BIOS setting

Problem   Customer may find SLES11 kernel halts for 20 seconds during installation with default BIOS setting.

Implication   When boots to SLES installation media, after clicking "installation" at the prompt, screen will go black and freeze for 20secs or until the "Enter" key on the USB keyboard is pressed.

Status   This issue is caused by a kernel bug.

Workaround   Customer can wait 20secs or press "Enter" key after screen freezes to continue with the installation.

31. High CPU utilization may occur when installing or running Microsoft Windows Sever 2008 R2* or Microsoft Windows 7* with default NIC driver

Problem   There has been high CPU load observed when installing or running Microsoft Windows Server 2008 R2* or Windows 7* with default NIC (Network Interface Card) driver.

Implication   When the ports are not electrically "linked" and the embedded driver is loaded, the DPC rate steadily increases until the system slows to the point where it is essentially unusable.

Status   This issue was fixed in BIOS R0054. Before Operation System installation, change the BIOS setting Pcie AER support under Advanced -> PCI configuration from "Enable" to "Disable".

Workaround   Make sure the ports are connected to a network, switch or simply back-to-back. This need to be done at least prior to the driver loading because once the port is malfunctioning, it cannot be recovered by connecting the ports. Updating to the latest posted driver resolves the problem. The latest NIC driver 16.0 can be obtained from the following location:
                 http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=18388

32. No communication between BMC and PSU in Intel® Server System SR1690WB

Problem   The communication between the Baseboard Management Controller (BMC) and power supply controller is blocked on Intel® Server System SR1690WB.

Implication   Certain Power supply information is not available (blank) in the Intel® Active System Console

- Predictive PS failure data (Internal voltage levels and fan speed)
- Power supply temperature data
- Power Supply FRU information

FRUSDR utility can't detect the presence of Power Supply Unit when updating the system SDRs and will report "PS1 not found" message when loading the SDR.

The dedicated power management applications based on the Intel® Management Engine (ME) like Intel® Node Manager (NM) and Data Center Manager (DCM) are not affected by this issue on the Intel® Server System SR1690WB.

Status   Will Not Fix.

Workaround   If required an optional in-line adapter can be installed between the server board and power supply to correct the communication timing and enable the sensors. For more information on this issue please contact your Intel Sales Representative

33. Intel® Server System SR1695WB may record a System Event Log (SEL) entry during an unexpected power loss

Problem   System may record the following System Event Log (SEL) entry if power is lost unexpectedly:

Voltage /BB +12.0V (#0x1B) Lower Non-critical - going low. Trigger Threshold = 0xD2. Asserted Event. BMC - LUN #0 (Channel #00h)

Implication   This SEL entry does not have any functional impact to the system.

Status   No Fix.

Workaround   It will be fixed in new PSU firmware release. Customer can ignore this SEL entry currently.

34. Intel® Server System SR1695WB Quick Star User's Guide (QSUG) doesn't show two Power Supply Units (PSU) for AC sku

Problem   *Intel® Server System SR1695WB Quick Start User's Guide* (QSUG) doesn't show two Power Supply Units (PSU) for AC sku.

Implication   The back panel drawing of AC sku in QSUG shows only one PSU. It doesn't match real system which has two PSUs installed.

Status   Fixed from QSUG E92845-002.

Workaround   None.

35.   System may go to EFI first instead of Hardware RAID configuration setup page

Problem   System may go to EFI first instead of Hardware Raid configuration setup page when using Hardware RAID and setting EFI as the first boot device

Implication   There is no function impact associated with this erratum.

Status   Will not fix.

Workaround   1. Change EFI booting order instead of first boot device. 2. Type "EXIT" in Internal EFI shell, then users can enter Raid configuration setup page.

36.   Lower network performance may be observed when Hyper-V role is added in Windows* Server 2008 R2 with more than 32G memory

Problem   On a dual Intel® Xeon® 5600 series processor configuration with more than 32GB memory installed, user may notice network performance drop in Windows* Server 2008 R2 when Hyper-V role is added.

Implication   User may see lower than expected network performance under Windows* Server 2008 R2.

Status   This issue was fixed on BIOS 55 and later version. Change the setting in BIOS setup Advanced -> PCI -> Maximize/minimum Memory below 4G to Min.

Workaround   Reduce memory size to less than 32GB.

37.   System may not enter LSI* 9260-4i/8i RAID card webBIOS when both LSI* 9260-4i/8i and LSI* 20320-R SCSI card installed

Problem   System may not enter LSI* 9260-4i/8i RAID card webBIOS with both LSI* 9260-4i/8i RAID card and LSI* 20320-R SCSI card installed

Implication   User may find not able to go into LSI* 9260-4i/8i RAID card webBIOS even Ctrl+H was pressed.

Status   This issue may be fixed in a future BIOS revision.

Workaround   Press CTRL key again when see blinking cursor, the blinking cursor will be on the top left corner when Ctrl+H was pressed.

38.   System with BIOS Revision R0054 may hang when Adaptec* 5405 or 5805 RAID card installed

Problem   On a system with the Adaptec* 5405 or 5805 RAID card installed, the system may hang during POST.

Implication   User may experience system hangs during POST with the above system configuration.

Status   This issue may be fixed in a future BIOS revision.

Workaround   Use BIOS revision R0050.

39.   System may get blue screen on display during the installation of Windows* Server 2008 R2 under UEFI mode

Problem   When installing Windows* Server 2008 R2 under UEFI mode, system may hang with BSOD (blue screen of death)

Implication   User will not be able to install Windows* Server 2008 R2 under UEFI mode. The BSOD happens at the "Installing Windows" page.

Status   This issue is fixed in BIOS 57.

Workaround   None

Documentation Changes

Intel® Server Board S5500WB, Intel® Server System SR1690WB and SR1695WB Configuration Guide has been updated to rev 2.4

Intel® Server System SR1690WB Techincal Product Specification has been updated to rev 1.7

Intel® Server Board S5500WB Techincal Product Specification has been updated to rev 1.8