



**Intel® Server Board S1200SPL,
Intel® Server Board S1200SPS,
Intel® Server Board S1200SPO**

Monthly Specification Update

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Intel Server Products and Solutions

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Revision History

Date	Rev Number	Modifications
January 2016	1.0	Initial release.
February 2016	1.1	Added Errata 9, 10 and 11.
March 2016	1.2	Added Errata 12, 13, 14 and 15
Oct 2016	1.3	Added Errata 16 and 17

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Table of Contents

1	Preface	1
2	Errata	2
1.	No Video Output through KVM.....	2
2.	FRU Information Missing	2
3.	RMS3HC080 Unrecognized When Installing Redhat* 7.0	2
4.	Unknown Error Prompted When Installing Centos* 7.0 Under ESRTII Raid Mode	2
5.	CATEROR in SEL Event Log	3
6.	It Takes a Long Time (4-5 minutes) to Load RMS3JC080 OPROM	3
7.	System hang on GRUB ("loading initial ramdisk")	3
8.	Display Abnormal after Resolution Changed in RHEL 7.0	3
9.	Ubuntu 14.04 Installation Failure of Detecting ESRTII RAID HDD	3
10.	Higher PSU Input Power than the Threshold	4
11.	ACPI Error after the VMWare ESXi6.0 u1b Installed on the AHCI Controller	4
12.	The Installation Failure when Installing Win 7 or Windows 2008 R2 on the Intel® Server Board S1200SP	5
13.	The TPM Trust Boot Cannot Be Enabled When Installing VMware ESXi 6.0 u1b	5
14.	The failure of OS Boot When the RMS25JB080 Storage Card installed.....	5
15.	The Warning message Showing that the SPI Flash Wear-out Protection Exceeded the Threshold 25% 5	5
16.	The system might auto reboot when upgrade ME firmware to the new version in Linux	6
17.	The "AutoCfg Status" sensor asserted when the server board is installed in a non-Intel chassis.....	6

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1 Preface

This document communicates product Errata, Documentation Changes and Corrections for the following Intel® Server Products:

- Intel® Server Board S1200SPL/S1200SPS/S1200SPO

The items communicated in this document are defined as follows:

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

Specification Changes are modifications to the current published specifications for a given product. These include typos, errors, or omissions. Specified changes will be incorporated in the next release of the document.

Specification Clarifications describe supported features or functions in greater detail or further highlight their impact to a complex design requirement. These clarifications will be incorporated in the next release of the document.

Errata are design defects or deviations from current published specifications for a given product. Published errata may or may not be corrected. 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 Errata

1. No Video Output through KVM

Problem	There is no video output through KVM if the remote system VGA port is connecting to the internal graphic.
Implication	No display in EWS KVM console.
Status	Will not fix.
Workaround	No. It is by design.

2. FRU Information Missing

Problem	The “Product information” of the Front Panel and HDD Backplane in FRU information menu is “NULL”.
Implication	Users will not see the FRU information.
Status	Will not fix.
Workaround	Upgrade Brower to IE8 or above version.

3. RMS3HC080 Unrecognized When Installing Redhat* 7.0

Problem	RMS3HC080 will be recognized as RS3WC080 when installing Redhat 7.0.
Implication	Users will see an incorrect device name.
Status	Will not fix.
Workaround	it is caused by the Linux driver and no function impact.

4. Unknown Error Prompted When Installing Centos* 7.0 Under ESRTII Raid Mode

Problem	There is an unknown error when installing CentOS 7.0 under ESRTII RAID mode.
Implication	Users will see the unknown error.
Status	Will not fix.
Workaround	CentOS7.0 is not supported under ESRTII RAID mode.

5. CATERROR in SEL Event Log

Problem	It may have CATERROR in SEL event log when system power on during DC cycle.
Implication	Users may see CATERROR error in SEL log.
Status	This issue may be fixed in a future BIOS revision.
Workaround	NA

6. It Takes a Long Time (4-5 minutes) to Load RMS3JC080 OPROM

Problem	It takes a long time(4-5 minutes) to load RMS3JC080 OPROM when system boot.
Implication	Users have to wait for a long time.
Status	The issue was fixed by FW Intel_SAS3_FW_ph9upd_NDA_2015.09.23.
Workaround	NA

7. System hang on GRUB ("loading initial ramdisk")

Problem	System hang on GRUB ("loading initial ramdisk") of SUSE Linux during an AC/DC/reset cycle test under RSTe RAID mode.
Implication	System might hang.
Status	Will not fix.
Workaround	Add "nomodset" in the <i>os kernel parameter list</i> .

8. Display Abnormal after Resolution Changed in RHEL 7.0

Problem	VGA screen output messed up after resolution changed in RHEL 7.0.
Implication	Display abnormal.
Status	Will not fix.
Workaround	Keep default resolution in RHEL 7.0.

9. Ubuntu 14.04 Installation Failure of Detecting ESRTII RAID HDD

Problem	When installing Ubuntu14.04 in the ESRTII RAID mode, it will display "There is no HDD detected."
Implication	OS installation fails
Status	Will not fix.
Workaround	There is no ESRTII driver for Ubuntu14.04.

10.Higher PSU Input Power than the Threshold

Problem	In SEL Event Log, it shows the 350w PSU(Delta, DPS-350AB-12A) Input Power is higher than the threshold. Below is a log sample: c0 11/15/2015 02:25:26 Other Units-based Sensor PS1 Input Power Upper Non-critical going high Reading 623 > Threshold 448 Watts c1 11/15/2015 02:25:26 Other Units-based Sensor PS1 Input Power Upper Critical going high Reading 623 > Threshold 504 Watts c2 11/15/2015 02:25:28 Other Units-based Sensor PS1 Input Power Upper Critical going high Reading 49 > Threshold 504 Watts c3 11/15/2015 02:25:28 Other Units-based Sensor PS1 Input Power Upper Non-critical going high Reading
Implication	Non-Critical event is shown in SEL Event Log. Failure rate is lower than 1/1000
Status	PSU FW issue. Will not fix.
Workaround	N/A

11.ACPI Error after the VMWare ESXi6.0 u1b Installed on the AHCI Controller

Problem	ACPI Error displays in the log after VMWare ESXi6.0 u1b installed on AHCI controller. Below is a log sample: 0:00:00:04.494 cpu0:32768)PCI: 348: Found a PCIe-to-PCIe bridge at 0000:00:01.0 ACPI Error: Incorrect return type [Integer] requested [Buffer]0:00:00:04.494 cpu0:32768) (20120215/nsxfeval-219) 0:00:00:04.494 cpu0:32768)VMKAcpi: 160: Failed to evaluate _DSM: AE_TYPE 0:00:00:04.495 cpu0:32768)PCI: 730: Device 0000:00:16.0 is disabled by the BIOS ACPI Error: No return value0:00:00:04.495 cpu0:32768) (20120215/nsxfeval-203) 0:00:00:04.495 cpu0:32768)VMKAcpi: 160: Failed to evaluate _DSM: AE_NULL_OBJECT
Implication	ACPI error event shows in SEL Event Log.
Status	Embedded nesfeval driver in ESXi. May be fixed in future.
Workaround	N/A

12. The Installation Failure when Installing Win 7 or Windows 2008 R2 on the Intel® Server Board S1200SP

Problem	User may fail to install Windows 7 or Windows 2008 R2 on the Intel® Server Board S1200SP due to the absence of USB3.0 driver in the OS.
Implication	Fail to install OS because there is no USB3.0 driver integrated in the OS.
Status	Will not fix.
Workaround	Integrate USB3.0 driver into OS installation image. For more details, please refer to: https://technet.microsoft.com/en-us/library/dd744355(v=ws.10).aspx

13. The TPM Trust Boot Cannot Be Enabled When Installing VMware ESXi 6.0 u1b

Problem	User may see that the TPM Trust Boot cannot be enabled when installing VMware ESXi 6.0 u1b, while no such issue with other OS. It is VMware ESXi 6.0 u1b limitation.
Implication	Trust Boot cannot be enabled.
Status	Might be fixed in the future.
Workaround	N/A

14. The failure of OS Boot When the RMS25JB080 Storage Card installed

Problem	User may see the OS fail to boot under uEFI mode when the RMS25JB080 storage card installed.
Implication	The OS fail to boot due to the storage card Option Rom is not loaded.
Status	Will fix in the future.
Workaround	Reboot the system will resolve the issue.

15. The Warning message Showing that the SPI Flash Wear-out Protection Exceeded the Threshold 25%

Problem	The user might see warning message in BMC SEL event log showing that the SPI flash wear-out protection exceeded the threshold 25%.
Implication	A warning message appears in BMC SEL event log.
Status	will fix in the future.
Workaround	Refresh ME firmware

16. The system might auto reboot when upgrade ME firmware to the new version in Linux

Problem The system might auto reboot when upgrade ME firmware to the new version in Linux. No such issue when upgrading ME firmware in EFI shell. The issue is caused by Linux kernel panic due to watchdog timeout.

Implication system might auto reboot.

Status Will not fix.

Workaround change watchdog thresh time to larger volume can avoid this issue. e.g:

Change watchdog time to 50s:

```
echo 50 > /proc/sys/kernel/watchdog_thresh
```

Check watchdog time Command:

```
cat /proc/sys/kernel/watchdog_thresh
```

17. The “AutoCfg Status” sensor asserted when the server board is installed in a non-Intel chassis

Problem The user might see warning message in BMC SEL event log showing that the “AutoCfg Status” sensor asserted when the server board is installed in a non-Intel Chassis.

Implication A warning message appears in the BMC SEL event log

Status will fix in the future.

Workaround Run the command in EFI to disable AutoCfg sensor in BMC:

```
Ipmitool raw 0x3e 0x73 0x03 or cmdtool 20 F8 73 03
```