



Monthly Specification Update

Intel® Server System SR1695GPRX



Intel Order Number G14848-003

April, 2011

Enterprise Platforms and Services Marketing

Revision History

Date	Modifications
August 2010	Initial release.
September 2010	Updated errata list.
April 2011	Updated erratum 1.

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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3. *Intel® Server System SR1695GPRX Quick Start User Guide* has been updated. (Order Number: G11547-004).....7

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Preface

This document is an update to the specifications contained in the *Intel® Server System SR1695GPRX Technical Product Specification* (Order Number G11332). It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It contains specification changes, specification clarifications, errata, and document changes.

Refer to the *Intel® Server Board S3420GPRX Specification Update* for specification updates. Items contained in these documents (specification updates) that either do not apply to the *Intel® Server System SR1695GPRX* 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) revision(s) associated with that stepping.

Refer to the *Intel® Xeon® Processor 3400 Series Specification Update and Intel® Core™ processor i3 Series Specification Update* for specification updates. Items contained in these documents (specification updates) that either do not apply to the *Intel® Server System SR1695GPRX* 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) revision(s) associated with that stepping.

Refer to the *Intel® 3420 Chipsets I/O Hub (IOH) Specification Update* for specification updates. Items contained in the *Intel® 3420 Chipsets I/O Hub (IOH) Specification Update* that either do not apply to the *Intel® Server System SR1695GPRX* 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

Given below are the specific boards, BIOS and components covered by this update:

Product Code	Baseboard PBA Revision	BIOS Revision	BMC Revision	FRU/SDR Revision	ME Revision	EEPROM Revision	Back Plane Revision	Power Supply Revision	Change Description (PCN#)
SR1695GPRX	E77063-303	R0042	01.19	04	6.0.30.1199	1.2	2.11	Rev.01F	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.

NoFix: 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.	NoFix	Serial Port B (internal - reserved, not for end user's usage)
2.	NoFix	Cooling fans on power cage will run with full speed when single PSU is online
3.	Fixed	There is no SEL recorded after the HDD hot swap
4.	Fixed	System fans health shows red alert under iASC4.1
5.	Fix	7000 & 7011 error message are shown in SEL after installing Win2k3
6.	Fixed	There is no SEL recorded after one PSU fail in redundant power configuration
7.	Fixed	Some top cover screws are missing after transportation
8.	Fixed	Pinch fan cables are found under system air duct
9.	Fixed	Chassis top cover is bent and hard to install

Table 2. Documentation Changes

No.	Plans	Document Name	Description of Documentation Change
1.	Publish	<i>Intel® Server System SR1695GPRX TPS</i>	Revision change from E11332-002 to E11332-003, adding front bezel option.
2.	Publish	<i>Intel® Server System SR1695GPRX Service Guide</i>	Revision change from E11460-001 to E11460-002, adding front bezel installation.
3.	Publish	<i>Intel® Server System SR1695GPRX Quick Start User Guide</i>	Revision change from E11547-002 to E11547-004, fix cable connection errors.

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. Serial Port B (internal - reserved, not for end user's usage)

Problem	The internal serial port B is reserved, not for end user's usage.
Implication	Only external serial port A on the rear panel can work properly.
Status	No Fix.
Workaround	None

2. Cooling fans on power cage will run with full speed when single PSU is on line

Problem	When single PSU is online, power cage fans will run with full speed.
Implication	Power cage fans have to work with full speed to keep single working PSU thermal safe.
Status	No fix.
Workaround	Add the second PSU in system to balance the work load.

3. There is no SEL recorded after doing HDD hot swap

Problem	BMC will log nothing after a HDD is hot swapped.
Implication	No entry is logged in SEL if HDD is changed online.
Status	Fixed in BMC1.23.
Workaround	None

4. System fan health shows red alert under iASC4.1

Problem	In Intel® Active System Console 4.1, system fans health always show as red alert.
Implication	Although the system fans work properly, BMC gives out wrong flag to iASC4.1.
Status	Fixed in BMC1.23.

Workaround None

5. 7000 and 7011 error messages are shown in SEL after installing Win2k3

Problem Unexpected error message are shown in SEL after installing Win2k3.

Implication The error message doesn't show any real impact to operation system.

Status Plan to fix in next BIOS release.

Workaround None

6. There is no SEL recorded after one PSU fails in redundant power configuration

Problem If one PSU is plugged out from redundant system, SEL will have no entry been recorded.

Implication Any FRUSDR version before 08 does not support redundant power configuration.

Status Fixed in FRUSDR08.

Workaround None

7. Some top cover screws are missing after transportation

Problem Some BIK systems are found missing top cover screws after transportation.

Implication There are 2 screws to fix the top cover. Even one of them is missing, the integrity of the chassis is not affected. Replace current screw with PH #2 6-32 to ensure the connection.

Status Fixed.

Workaround None

8. Pinch fan cables are found under system air duct

Problem System air duct pinches processor fan cables.

Implication Need additional cable clip to format the routine of fan cables.

Status Fixed.

Workaround None

9. Chassis top cover is bent and hard to install

Problem Some system top covers are bent and hard to slide into position.

Implication Change the rivet type on top cover will improve the assembly process.

Status Fixed.

Workaround None

Documentation Changes

1. ***Intel® Server System SR1695GPRX Technical Product Specification*** has been updated to rev1.2. (Order Number: G11332-003)

Content changes: Adding front bezel option description.

2. ***Intel® Server System SR1695GPRX Service Guide*** has been updated to rev2.0. (Order Number: G11460-002)

Content changes: Adding front bezel installation.

3. ***Intel® Server System SR1695GPRX Quick Start User Guide*** has been updated. (Order Number: G11547-004)

Content changes: Fix cable connection errors.