



This Technical Advisory describes an issue which may or may not affect the customer's product

Intel Technical Advisory

TA-0943-1

5200 NE Elam Young Parkway
Hillsboro, OR 97124

January 19, 2010

Intel® Server Board S3420GPLX and S3420GPLC, Intel® Server System SR1630GP and SR1630HGP Fail To Boot With The Intel® Core™ i3 Processors i3-530, i3-540 and Intel® Pentium® Processor G6950

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Products Affected

Table. 1. Products Affected

Product	Product code	Old MM#
Intel® Server Board S3420GPLX	S3420GPLX	902720
Intel® Server Board S3420GPLC	S3420GPLC BB3420GPLC	902723 902727
Intel® Server System SR1630GP	SR1630GP SR1630GPNA	902731 902735
Intel® Server System SR1630HGP	SR1630HGP SR1630HGPNA	902732 902734

Description

Intel has discovered an issue with the server products listed above which fail to boot up with the recently launched Intel® Core™ i3 processors i3-530, i3-540 and Intel® Pentium® processor G6950. The affected PBA of the server boards are E51976-402 and E51974-402. The Intel® Server Systems SR1630GP and SR1630HGP with server boards with PBA E51976-402 are also affected.

Root Cause

The issue has been root caused to an incompatibility issue between the BIOS release 22 which is programmed on the server boards with the above mentioned PBA numbers and the production of Intel® Core™ i3 processors i3-530, i3-540 and Intel® Pentium® processor G6950.

Corrective Action / Resolution

Intel is releasing a new BIOS 35 to resolve this issue. The system software update package, including release notes for each, will be available for download from Intel's support website at <http://www.intel.com/support/motherboards/server/s3420gp/>. Please refer to release.txt in the software update package for a list of changes that were made to the BIOS, BMC and FRUSDR. Intel will pre-program the updated BIOS in the factory for products with the following new MM# to support Intel® Core™ i3 processors i3-530, i3-540 and Intel® Pentium® processor G6950.

Product	Product code	Old MM#	New MM #
Intel® Server Board S3420GPLX	S3420GPLX	902720	907525
Intel® Server Board S3420GPLC	S3420GPLC	902723	907524
	BBS3420GPLC	902727	907526
Intel® Server System SR1630GP	SR1630GP	902731	907506
	SR1630GPNA	902735	905769
Intel® Server System SR1630HGP	SR1630HGP	902732	907517
	SR1630HGPNA	902734	905819

Recommended Customer Action

Customers can boot up their system using Intel® Xeon® processor 3400 series and update the server board's software to BIOS 35, BMC 01.17 and FRUSDR 17 or later versions to enable the Intel® Core™ i3 processors i3-530, i3-540 and Intel® Pentium® processor G6950. After this upgrade, the server product is a functional equivalent to a server product under the same product name with the new MM#.

Please contact your Intel Sales Representative if you require more specific information about this issue.

Enterprise Platforms & Services Division
Intel Corporation