



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

# Intel Technical Advisory

TA-0955-1

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## BIOS 42 required to support K-0 Stepping Intel® Xeon® processor L3406, Intel® Core™ processor i3-500 series and Intel® Pentium® processor G6950 on Intel® Server Board S3420GPLX, S3420GPLC, S3420GPV and S3420GPRX, Intel® Server System SR1630GP, SR1630HGP, SR1630GPRX and SR1630HGPRX

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### Products Affected

Table 1. Products Affected

Product	Product code	TA# and earlier	PBA# and earlier
Intel® Server Board S3420GPLX	S3420GPLX	E74800-404	E51974-404
Intel® Server Board S3420GPLC	S3420GPLC BB3420GPLC	E74801-404 E77963-404	E51976-404
Intel® Server Board S3420GPV	S3420GPV BB3420GPV	E84395-105 E89003-105	E80883-105
Intel® Server Board S3420GPRX	S3420GPRX	E85654-302	E77063-302
Intel® Server System SR1630GP	SR1630GP SR1630GPNA	E65196-006	E51976-404
Intel® Server System SR1630HGP	SR1630HGP SR1630HGPNNA	E65540-006	E51976-404
Intel® Server System SR1630GPRX	SR1630GPRX SR1630GPRXNA	E84849-003	E77063-302
Intel® Server System SR1630HGPRX	SR1630HGPRX SR1630HGPRXNA	E84850-003	E77063-302

### Description

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Intel has discovered an issue that the server products listed above fail to boot up with the K-0 stepping of the Intel® Xeon® processor L3406, Intel® Core™ processor i3-500 series and Intel® Pentium® processor G6950.

**Root Cause**

The root cause is an incompatibility between BIOS 40 or earlier on the server boards listed above, and the K-0 stepping of the Intel® Xeon® processor L3406, Intel® Core™ processor i3-500 series and Intel® Pentium® processor G6950.

**Corrective Action / Resolution**

Intel has released BIOS 42 to resolve this issue. The system software update package, including release notes, is available for download at [http://www.intel.com/p/en\\_US/support/highlights/server/s3420gp](http://www.intel.com/p/en_US/support/highlights/server/s3420gp).

Please refer to the release.txt in the software update package for a list of changes that were made to the BIOS, BMC and FRUSDR. Intel has pre-programmed BIOS 42 in the factory for products with the following New TA numbers and New PBA numbers to support the K-0 stepping of the Intel® Xeon® processor L3406, Intel® Core™ processors i3-500 series, and Intel® Pentium® processor G6950.

Product	Product code	New TA#	New PBA#
Intel® Server Board S3420GPLX	S3420GPLX	E74800-405	E51974-405
Intel® Server Board S3420GPLC	S3420GPLC BB3420GPLC	E74801-405 E77963-405	E51976-405
Intel® Server Board S3420GPV	S3420GPV BB3420GPV	E84395-106 E89003-106	E80883-106
Intel® Server Board S3420GPRX	S3420GPRX	E85654-303	E77063-303
Intel® Server System SR1630GP	SR1630GP SR1630GPNA	E65196-007	E51976-405
Intel® Server System SR1630HGP	SR1630HGP SR1630HGPNA	E65540-007	E51976-405
Intel® Server System SR1630GPRX	SR1630GPRX SR1630GPRXNA	E84849-004	E77063-303
Intel® Server System SR1630HGPRX	SR1630HGPRX SR1630HGPRXNA	E84850-004	E77063-303

**Workarounds**

Customers can boot up their older board or system using an Intel® Xeon® processor 3400 series or C-2 stepping of the Intel® Xeon® processor L3406, Intel® Core™ processor i3-500 series and Intel® Pentium® processor G6950; then update the server board's BIOS to 42 or later. The server board is now functionally equivalent to the new PBA#.

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

Enterprise Platforms & Services Division  
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