intel® Technical Advisory

TA 741-01

5200 NE Elam Young Parkway
Hillsboro, OR 97124

December 10, 2004

Intel® Server Platform SR1425BK1-E HSC Backplane Programming Issue

*Information in this document is provided in connection with Intel products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice. The **Intel Server Platform SR1425BK1-E** may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.*

Products Affected
SR1425BK1-E

Description
Intel discovered a hardware address conflict between the PXH component on the Intel® Server Board SE7221BK1-E and the Hot Swap Controller (HSC) on Intel 1U SATA and SCSI backplanes used with the Intel® Server Platform SR1425BK1-E. The address conflict prevents the ability to update the HSC firmware located on the 1U SATA and SCSI backplane accessories as a result. This issue does not affect the Intel® Server Board SE7221BK1-E as a stand-alone product nor does it affect the sever board when integrated with any other Intel or third-party chassis. This issue ONLY affects the Intel® Server Platform SR1425BK1-E, as the platform makes use of the 1U SATA and SCSI backplane accessories. Other Intel Server Platforms which make use of the same 1U backplane accessories are not affected by this issue.

Root Cause
Intel root caused this issue to be a hardware address conflict between the PXH component on the Intel® Server Platform SE7221BK1-E and the Hot-Swap Controller (HSC) on the 1U backplane accessories used with the Intel® Server Platform SR1425BK1-E. The server board PXH component and 1U backplane HSC devices are utilizing 0xC0 as their hardware address when integrated together in the Intel® Server Platform SR1425BK1-E.

Corrective Action / Resolution
Intel has resolved this issue by modifying the hardware address of the PXH component on the Intel® Server Board SE7221BK1-E from 0xC0 to 0xC8. The hardware modification does not impact any existing functionality except to allow proper programming of the HSC device found on the 1U backplane accessories used with the Intel® Server Platform SR1425BK1-E.

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

Enterprise Platforms & Services Division
Intel Corporation