



Product Change Notification

112459 - 01

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.

A "Mission Critical Application" is any application in which failure of the Intel Product could result, directly or indirectly, in personal injury or death. SHOULD YOU PURCHASE OR USE INTEL'S PRODUCTS FOR ANY SUCH MISSION CRITICAL APPLICATION, YOU SHALL INDEMNIFY AND HOLD INTEL AND ITS SUBSIDIARIES, SUBCONTRACTORS AND AFFILIATES, AND THE DIRECTORS, OFFICERS, AND EMPLOYEES OF EACH, HARMLESS AGAINST ALL CLAIMS COSTS, DAMAGES, AND EXPENSES AND REASONABLE ATTORNEYS' FEES ARISING OUT OF, DIRECTLY OR INDIRECTLY, ANY CLAIM OF PRODUCT LIABILITY, PERSONAL INJURY, OR DEATH ARISING IN ANY WAY OUT OF SUCH MISSION CRITICAL APPLICATION, WHETHER OR NOT INTEL OR ITS SUBCONTRACTOR WAS NEGLIGENT IN THE DESIGN, MANUFACTURE, OR WARNING OF THE INTEL PRODUCT OR ANY OF ITS PARTS.

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.

The products described in this document 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.

Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

Americas Contact: asmo.pcn@intel.com

Asia Pacific/PRC Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

Copyright © Intel Corporation 2013. Other names and brands may be claimed as the property of others.

BunnyPeople, Celeron, Celeron Inside, Centrino, Centrino Inside, Cilk, Core Inside, i960, Intel, the Intel logo, Intel AppUp, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Insider, the Intel Inside logo, Intel NetBurst, Intel NetMerge, Intel NetStructure, Intel SingleDriver, Intel SpeedStep, Intel Sponsors of Tomorrow, the Intel Sponsors of Tomorrow logo, Intel StrataFlash, Intel vPro, Intel XScale, InTru, the InTru logo, the InTru Inside logo, InTru soundmark, Itanium, Itanium Inside, MCS, MMX, Moblin, Pentium, Pentium Inside, Puma, skool, the skool logo, Sound Mark, The Creators Project, The Journey Inside, Thunderbolt, vPro Inside, VTune, Xeon, and Xeon Inside are trademarks of Intel Corporation in the U.S. and/or other countries.

Learn how to use Intel Trademarks and Brands correctly at <http://www.intel.com/intel/legal/tmusage2.htm>.



Product Change Notification

Change Notification #: 112459 - 01
Change Title: Intel® Server System R2208LT2HKC4 and R2304LH2HKC
PCN 112459-01, Product Design
Update BIOS/ME/BMC/FRUSDR Firmware, CPLD and Power Distribution Board
Reason for Revision: Update Milestones and Regulatory Labels, Add Fans
Date of Publication: September 27, 2013

Key Characteristics of the Change:
Product Design

Forecasted Key Milestones:

	R2304LH2HKC	R2208LT2HKC4
Date Customer Must be Ready to Receive Post-Conversion Material *:	Oct 15, 2013	Nov 15, 2013

** Intel appreciates the customer's desire to receive the latest revision of products. However, Intel manages inventory on a first in first out (FIFO) basis at the MM# level. Subsequently, customer requests for a specific revision of material (below the MM#) will not be supported by Intel.*

Description of Change to the Customer:

Reason for Revision: Update Milestones and Regulatory Labels, Add Fans

Intel will implement the following changes on Intel® Server System R2208LT2HKC4 and R2304LH2HKC:

:

1. Update the BIOS from revision 01.07.0001 to 01.08.0003.
 - a. BIOS 01.08.0003 is fully functional on Intel® Xeon processor E5-4600/2600/2400 series and contains feature enhancements and fixes. Please refer to the BIOS release notes for further information.
 - b. However, with an Intel® Xeon processor E5- 4600/2600/2400 V2 series installed, BIOS 01.08.0003 only guarantees the ability to boot the system to the EFI shell for the purpose of upgrading to a future BIOS that will contain full processor functionality.
2. Update the Manageability Engine (ME) firmware from revision 02.01.05.107 to 02.01.07.112.
3. Update the Integrated Baseboard Management Controller (BMC) firmware from revision 01.115.4159 to 01.19.5018.
4. Update the FRUSDR from revision 0.19 to 0.21.

5. CPLD code from revision 1.02 to 1.03 to support system configurations of Intel® Xeon processor E5-4600/2600/2400 V2 series of less than 4 processors.
6. Update the Power Distribution Board from TA# revision G48543-001 to G48543-002. Intel has made a continuous improvement BOM change to the Over Current Protection (OCP) trip reporting when using a PSU with a slow stand-by power ramp rate.
7. Add improved upper and lower fans that implement increased startup torque and braking features providing continuous improvement to the system fans.
8. Update Regulatory Labels on chassis as follows:
 - a. Common Regulatory Label: Remove IRAM, update Canada statement and add China altitude.
 - b. Outer Carton Label: Remove IRAM and update Canada statement.
 - c. Add AC Warning Label

Please refer to PCN 112457 and PCN 112458 under "Reference Documents / Attachments".

Customer Impact of Change and Recommended Action:

Intel recommends that the customer perform a standard level of evaluation. Customers can download and evaluate the latest software package at <http://www.intel.com/support>, when available.

Products Affected / Intel Ordering Codes:

Product Code	MM#	Pre Change TA	Post Change TA
R2304LH2HKC	919482	G46168-007	G46168-008
R2208LT2HKC4	919479	G45890-007	G45890-008

Reference Documents / Attachments:

Document:

PCN 112457

PCN 112458

Location #:

<https://qdms.intel.com/Portal/SearchPCNDataBase.aspx>

<https://qdms.intel.com/Portal/SearchPCNDataBase.aspx>

PCN Revision History:

Date of Revision:

August 1, 2013

September 27, 2013

Revision Number:

00

01

Reason:

Originally Published PCN

Update Milestones and Regulatory Labels, Add Fans