



Product Change Notification

105727 - 00

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.

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 Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

Copyright © Intel Corporation 2006. Other names and brands may be claimed as the property of others.

AlertVIEW, AnyPoint, AppChoice, EtherExpress, FlashFile, i386, i486, i960, Intel, Celeron, Intel486, Intel740, IntelDX2, IntelDX4, IntelSX2, Itanium, LANDesk, LanRover, Pentium, Xeon, Intel Xeon, NetMerge, NetStructure, OverDrive, Paragon, PDCharm, StrataFlash is a trademark or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

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



Product Change Notification

Change Notification #: 105727 - 00
Change Title: Intel NetStructure® SS7HDCxxx, SS7HDPD4TE, PCN 105727-00, Product Design, Implement new FPGA Firmware to eliminate possibility of failure during a code file download cycle
Date of Publication: March 31, 2006

Key Characteristics of the Change:
Product Design

Forecasted Key Milestones:

| | |
|---|--------------|
| Date Customer Must be Ready to Receive Post-Conversion Material: | May 12, 2006 |
| Date of First Availability of Post-Conversion Material: | May 12, 2006 |

The date of "First Availability of Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand, therefore, although customers should be prepared to receive the Post-Converted Materials on this date, Intel will continue to ship and customers may continue to receive the pre-converted materials until the inventory has been depleted.

Description of Change to the Customer:

On a small number of SS7HD boards the code file download cycle has been observed to fail. The failure rate is very low and is difficult to reproduce. The cause of this failure has been identified as a race condition in the firmware of a FPGA (Field Programmable Gate Array).

The problem is easily resolved by the use of an updated on-board FPGA firmware.

Customer Impact of Change and Recommended Action:

Because of the low incident rate of this issue Intel only recommends that customers who are experiencing download issues upgrade the FPGA firmware on the board.

Customers reporting problems in this area should contact their Intel support organization for support in upgrading their FPGA firmware in the field.

Boards ordered against the new MM numbers listed below do not exhibit the improper code file download cycle behavior as the FPGA firmware has been upgraded in the factory.

The new FGPA firmware should be used in combination with the ss7.dc4 code file V3.12 or later which will be available on or before May 12, 2006 from the web at the following address:

<http://resource.intel.com/telecom/support/ss7/cd/productspecific/>

This change has been thoroughly evaluated to ensure that it does not have any negative functional implications to our customer.

Products Affected / Intel Ordering Codes:

Board Products Table

| Affected Product Code | Pre Change MM# | Post Change MM # | Pre change TA # | Post change TA # | Pre change CA # | Post change CA # |
|-----------------------|----------------|------------------|-----------------|------------------|-----------------|------------------|
| SS7HDCD16 | 866819 | 878776 | C59292-002 | C59292-003 | C59385-004 | C59385-005 |
| SS7HDCS8 | 867671 | 878773 | C89975-001 | C89975-002 | C90061-001 | C90061-002 |
| SS7HDCQ16 | 867674 | 878775 | C89974-001 | C89974-002 | C90060-002 | C90060-003 |
| SS7HDCN16 | 867675 | 878778 | C89976-001 | C89976-002 | C90062-002 | C90062-003 |
| SS7HDPD4TE | 868212 | 878807 | C56469-003 | C56469-004 | C56470-003 | C56470-004 |

Reference Documents / Attachments:

Document:

Firmware ss7.dc4 code file V3.12

Location #:

<http://resource.intel.com/telecom/support/ss7/cd/productspecific/>

PCN Revision History:

Date of Revision:

March 31, 2006

Revision Number:

00

Reason:

Originally Published PCN