Intel® SC5100 Server Chassis

Specification Update

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Enterprise Platforms and Services Marketing

Date	Modifications
2/15/2002	Initial release.
3/13/2002	March 2002. No updates.
5/15/02	May 2002, No updates
6/14/02	June 2002, No updates
7/12/02	July 2002, No updates
8/14/02	August 2002, No Updates
9/11/02	September 2002, No Updates.
10/16/02	October 2002 Updates: Updated Product Tables. No errata.
11/18/02	November 2002: No Changes or errata;
12/20/02	December 2002: No Changes or Errata.
1/15/2003	January 2003: Updated Product Codes and MM## for Power Cord Removal

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Preface

This document is an update to the specifications contained in the *Intel® SC5100 Server Chassis Technical Product Specification (Order Number A85099-001)*. It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It will contain specification changes, specification clarifications, errata, and document changes.

- Refer to the *SDS2+ Technical Product Specification Update* for updates concerning the SDS2+ server board.

- Refer to the *SAI2 Technical Product Specification Update* for updates concerning the SAI2 server board.

- Refer to the *Pentium® III Processor Specification Update* for updates concerning the Pentium III processor.

1. Nomenclature

- **Specification Changes** are modifications to the current published specifications for the SC5100 Chassis/KDK Products. These changes will be incorporated in the next release of the specifications.

- **Specification Clarifications** describe a specification in greater detail or further highlight a specification's impact to a complex design situation. These clarifications will be incorporated in the next release of the specifications.

- **Documentation Changes** include typos, errors, or omissions from the current published specifications. These changes will be incorporated in the next release of the specifications.

- **Errata** are design defects or errors. Errata may cause the SC5100 Chassis/KDK Products behavior to deviate from published specifications. Hardware and software designed to be used with any given processor stepping must assume that all errata documented for that processor stepping are present on all devices.

2. Product Scope

Below are the specific boards and components covered by this update.

Chassis and KDK Products

Product Code	MM #	HSC Firmware Rev.	Top Assy	Hot Swap SCSI Backplane PBA# Fab 2	SAF-TE Card PBA# Riser Card
KHD2BASE300	836794	N/A	N/A	N/A	N/A
KHD2BASE300	847764	N/A	N/A	N/A	N/A
KHD2HSRP350	836797	0.08	A58218-003	A43798-201	A42862-109
KHD2HSRP350R	836798	0.08	A58221-003	A43798-201	A42862-109
KHD2HSRP350	836797	0.10	A58218-003	A43798-201	A42862-110
KHD2HSRP350R	836798	0.10	A58221-003	A43798-201	A42862-110

System Products Table Per PCN 102927-00 Power Cord Removed from SKU's

Affected Product Code	Pre-Change MM#	Post-Change MM#	Pre-Change TA	Post-Change TA
AXX2PSMODL350	841602	852376	A53852-003	A53852-004
FHD2SPRS	836030	852361	tbd	tbd
KHD2BASE300	847764	852339	A58217-003	A58217-004
KHD2BASE300NA	852139	852139	tbd	tbd
KHD2HSRP350	836797	852338	A58218-004	A58218-005
KHD2HSRP350NA	852140	852140	tbd	tbd
KHD2HSRP350R	836798	852337	A58221-004	A58221-005
KHD2HSRP350RNA	852141	852141	tbd	tbd
KHD2HSRP650	836698	852332	A58205-004	A58205-005
KHD2HSRP650NA	852142	852142	tbd	tbd
KHD2HSRP650R	836700	852358	A58207-004	A58207-005
KHD2HSRP650RNA	852220	852220	tbd	tbd
PWRCABLEUS	816324	816324	n/a	n/a

Accessories and Spares

Product Code	MM #	TA #	Description
AHD2RACK	835849	A56067-003	RACK CONVERSION KIT FOR SERVER CHASSIS SC5100 PEDESTAL
AXX2PSMODL350	841602	A53852-002	350W POWER SUPPLY MODULE UPGRADE OR SPARE. INCLUDES (1) N. AMERICA POWER CORD.
AXX2HSDRVUG	835948	A53803-003	HOT SWAP DRIVE UPGRADE KIT- UPGRADE BASE TO 5 DRIVES OR HSRP KDK TO 10 DRIVES. Includes Drive bay with 5 carriers, mounting brackets, back plane with SAF-TE board, 1 SCSI cable and 1 I2C cable.
FHD2DLTBRK	836423	A56078-001	DLT MOUNTING BRACKET, INCLUDES SLIMLINE CD ROM MOUNTING BRACKET, AND SLIMLINE CD INTERFACE BOARD
FHD2PS300W	836542	A56079-002	SPARE FIXED 12V 300W POWER SUPPLY
FHD2PSCAGE1P1	836544	A53856-002	1+1 POWER SUPPLY CAGE - DUAL LINE CORD
FHD2EPAC	835950	A53861-001	EPAC SET
FHD2FANS	835850	A53862-002	FAN SET
FHD2FPBRD	835851	A53867-003	FRONT PANEL BOARD & CABLE
FHD2SPRS	836030	A56089-004	CHANNEL SPARES KIT
FXX2DRVCARBLK	835853	A53868-001	HS DRIVE CARR, 1 INCH, BLACK
FXX2HSBRD	836033	A63538-001	HS BACKPLANE BOARD
FXX2SAFTE	836027	A61339-003	SAF-TE BOARD
FHD2HWKT	836557	A56724-001	HARDWARE KIT - SCREWS
AXXHSBPYCBL	839432	A71839-001	SCSI Y-CABLE TO SPAN HOT SWAP BACK PLANES ON SERVER CHASSIS SC5100.
AXX2ICMBKIT	836017	A57871-001	ICMB BOARD ASSEMBLY
AJPIO	836473	A70822-001	IO SHIELD & GASKET
AHD2RACK	835849	A56067-003	RACK CONVERSION KIT FOR SERVER CHASSIS SC5100 PEDESTAL

3.   Summary Tables of Changes

The following tables indicate the errata and the document dhanges that apply to the Intel®
SC5100 Server Chassis. Intel intends to fix some of the errata in a future stepping of
components, and to account for the other outstanding issues through documentation or
specification changes as noted. The tables use the following notations:

Doc: Intel intends to update the appropriate documentation in a future revision.

Fix: Intel intends to fix this erratum in a future release of the component.

Fixed: This erratum has been previously fixed.

NoFix: There are no plans to fix this erratum.

Shaded: This erratum is either new or has been modified from the previous specification
           update.

Errata Summary

No.	Plans	Description of Errata
1.		None at this time.
2.		

Documentation Changes

No.	Plans	Description of Documentation Change
1.	Done	SCSI Backplane Specifications
2.		

Following are in-depth descriptions of each erratum / documentation change indicated in the
tables above. The errata and docmentation change numbers below correspond to the numbers
in the tables.

Errata

None at this time.

Documentation Changes

None