Intel® Server Board SHG2
Intel® Server Chassis SC5200
Spares/Parts List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the SHG2 server board and SC5200 Chassis Knock-Down-Kit products

Rev 1.4

March 2003

Change History:

12/14/01 Rev 0.1: initial release for internal review.

12/19/01 Rev 0.25: Initial external release. Updates from internal review; added new MM#'s and UPC codes.

1/22/02 Rev 0.75: Added all remaining MM#'s and UPC codes. Changed base power supply to 450W. Removed alpha configs.

4/29/02 rev 1.0: Removed beta configs, updated RAID part number, added three new spares SKUs. Key changes noted in blue text.

6/11/02 rev 1.1: removed silver information.

7/30/02 rev 1.2: updated MM# for HS power supply module. Removed Intel Confidential banner.

11/11/02 rev 1.3: updated description of HW kit, added note on heatsink retention mechanism.

03/24/03 rev 1.4: updated all SC5200 MM# for Power Cord change

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Production Configurations

Production Boxed Board and KDKs

This section contains information needed to order and configure a *production SC52000 Chassis KDK with the production SHG2 boxed board*.

1) The *production SHG2 boxed board* contains the following:

- Baseboard
- ATX I/O shield and gasket
- Cables: Floppy, IDE, COM2 and U320 SCSI
- Quick-start manual and CD-ROM with drivers, documentation, server management software, etc.

2) The *production SC5200 KDK* is available in three configurations: Base, HSRP pedestal orientation and HSRP rack orientation contains the following:

- The **base** chassis includes:

  - Fixed (non-redundant) 450W PFC power supply
  - Fans and EPAC (non hot swap)
  - Cables (1 each):
    - Front Panel Cable (34-pin baseboard header to front panel)
    - USB Cable (USB header to front panel board)
    - Chassis Intrusion Cable (baseboard header to chassis switch)
    - North American power cord (varies by SKU –see table below)
  - Printed Quick Start Guide and electronic copy of product guide (manual) on a CD-ROM.

- The **HSRP pedestal** chassis KDK includes:
  - Hot Swap Drive Bay
    - 1 Bay with hot docking SCSI back plane, & SAF-TE board
    - 5 hot swap drive carriers with integrated light pipes

  - 650W 2+1 dual line cord (DLC) power supply housing with two 350W modules and a blank filler panel.
  - Two Intel® Xeon processor retention mechanisms
  - Redundant hot swap fans and ducting
  - Cables (1 each):
    - Front Panel Cable (34-pin baseboard header to front panel)
    - USB Cable (USB header to front panel board)
    - HSBP SMBus Cable, (HSBP SMBus connector to HSBP)
    - Wide LVD SCSI Cable, Ultra 320 (baseboard SCSI connector to HSBP)

- Chassis Intrusion Cable (baseboard header to chassis switch)
- North American power cord (qty. two) (varies by SKU see table below)
  - Printed Quick Start Guide and electronic copy of product guide (manual) on a CD-ROM.

- The **HSRP rack** chassis is same as above except that it is pre-configured into the 5U rack orientation and includes slide rails and racking mounting hardware. The KHD3HSRP650R features black plastic exterior trim and unpainted sheet metal parts.

Product Code	MM #	UPC	Qty. Included	Description
SHG2	844335	7 35858 15289 1	1	PRODUCTION SHG2 BOXED BOARD. MOQ IS 5.
KHD3BASE450	*New* 852375	7 35858 15350 8	1	PRODUCTION SC5200 KDK (450W NON REDUNDANT PS) - power cord not included
KHD3BASE450NA	*New* 852502	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650	*New* 852401	7 35858 15290 7	1	PRODUCTION SC5200 KDK (HSRP 650W 2+1) – power cord not included
KHD3HSRP650NA	*New* 852155	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650R	*New* 852312	7 35858 15291 4	1	PRODUCTION SC5200 RACK KDK (HSRP 650W 2+1) – power cord not included
KHD3HSRP650RNA	*New* 852219	Same as above	1	Same as above – included NA power cord

Production OEM Board and KDKs

This section contains information needed to order and configure a *production SC5200 Chassis KDK with the production SHG2 OEM board.*

1) The **production SHG2 OEM board** is ordered in bulk (10 packs only), and it includes only the baseboard

- OEMs will have to source the components included with the boxed board separately

2) The chassis SKUs are the same as detailed in the section above.

Product Code	MM #	UPC	Qty. Included	Description
BHG2BB	*New* 853500	7 35858 15300 3	10	PRODUCTION SHG2 OEM BASEBOARD
KHD3BASE450	*New* 852375	7 35858 15350 8	1	PRODUCTION SC5200 KDK (450W NON REDUNDANT PS) - power cord not included
KHD3BASE450NA	*New* 852502	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650	*New* 852401	7 35858 15290 7	1	PRODUCTION SC5200 KDK (HSRP 650W 2+1) – power cord not included
KHD3HSRP650NA	*New* 852155	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650R	*New* 852312	7 35858 15291 4	1	PRODUCTION SC5200 RACK KDK (HSRP 650W 2+1) – power cord not included
KHD3HSRP650RNA	*New* 852219	Same as above	1	Same as above – included NA power cord

Intel RAID options for Hodges

Product Code	MM #	UPC	Qty. Included	Description
SRCU32U	845946		1	INTEL RAID CONTROLLER SRCU32. Dual channel, Ultra160, 32-256MB, Intel 80303 IOP processor @ 100 MHz (Zion), 64/66.
SRCMRU	845036		1	INTEL RAID CONTROLLER - Modular ROMB solution. Turns two onboard SCSI channels into RAID. 32 MB memory integrated, PCI 64/66, Intel® 80302 I/O processor.

New Chassis Spares & Accessories

Product Code	MM #	UPC	Qty. Included	Description
AHD3HSBPYCBL	848239	7 35858 15645 5	10	New SCSI Y-cable to work with SC5200 III HSRP. Permits cabling two backplanes to one SCSI/RAID channel.

FHD3SCSICBL	847537	7 35858 15475 8	10	New SCSI cable to work with SC5200 III HSRP. Connects baseboard to SCSI backplane (non-terminated).
AHD3RACK	845727	7 35858 15426 0	1	Rack upgrade kit with new SC5200 III HS fan access side cover. Backwards compatible with Hudson II (includes both side covers)
FHD3HSDUCT	844704	7 35858 15305 8	1	Plastic duct and fan holder/harness for HSRP SKU
FHD3HSSIDE	844701	7 35858 15306 5	5	HS fan chassis side cover with fan access door for HSRP SKU
FHD3BASEFANS	844703	7 35858 15303 4	1	Base SKU fan spare kit: one each 80x25mm and 80x32mm
FHD3SPRS	844685	7 35858 15304 1	1	SC5200 CHANNEL SPARES KIT
FHD3HSFANS	844702	7 35858 15302 7	1	Hot swap fan spare kit: (1) 92mm and (2) 80mm, includes carriers/connectors
FHD3PS450	844924	7 35858 15351 5	1	SPARE NON-REDUNDANT 450W POWER SUPPLY FOR SC5200 BASE – power cord not included
FHD2EPAC	835950	7 35858 14632 6	1 SET	EPAC Set for SC5200 Base chassis (without hot swap fans)
AHG2IO	844599	7 35858 15299 0	50	I/O SHIELD AND GASKET- SHG, SE7500CW2

Existing Production Chassis Spares & Accessories

Product Code	MM #	UPC	Qty. Included	Description
AXX2PSMODL350	841602	7 35858 14629 6	1	350W POWER SUPPLY MODULE UPGRADE OR SPARE. Works with SC5100, SC5200, or SR2200HSRP - power cord not included
AXX2HSDRVUG	835948	7 35858 14630 2	1	HS DRIVE UPGRADE KIT- UPGRADE BASE TO 5 DRIVES OR HSRP TO 10 DRIVES
AHD2RACK	835849	7 35858 14670 8	1	RACK KIT- TO CONVERT PED SKU ITO 5U RACK. INCLUDES RAILS, RACK MOUNTING HDW, RACK BEZEL IN BLACK. Will work with SC5100 or SC5200 III base SKU. Use AHD3RACK for SC5200 HSRP SKU
FHD2DLTBRK	836423	7 35858	5 SETS	DLT MOUNTING BRACKET, INCLUDES SLIMLINE CD ROM MOUNTING BRACKET, AND CONNECTOR

		14669 2		BOARD
FHD2PSCAGE2P1	836424	7 35858 14668 5	1	650W 2+1 POWER SUPPLY CAGE –DLC
FHD2FPBRD	835851	7 35858 14622 7	1	FRONT PANEL BOARD & CABLE
AXXHSBPYCBL	839432	7 35858 15044 6	10	Y-Cable for SCSI backplane. Permits cabling two backplanes to one SCSI/RAID channel. Note: Use AHD3HSBPYCBL for HSRP SKU.
FXX2DRVCARBLK	835853	7 35858 14621 0	10	HS DRIVE CARR, 1 INCH, BLACK
FXX2HSBRD	836033	7 35858 14654 8	1	HS BACKPLANE BOARD
FXX2SAFTE	836027	7 35858 14655 5	1	SAF-TE BOARD
FHD2HWKT	836557	7 35858 14707 1	1	HARDWARE KIT – SCREWS FOR BOARD MOUNTING AND 2 PAIR OF 5.25" DRIVE RAILS
FHDSDE	823386	7 35858 12706 6	5 Sets	SPARE, RIGHT AND LEFT SIDE PANELS- PAINTED
FHDTP	823385	7 35858 12707 3	10	SPARE,TOP PANEL- PAINTED
FHDBTTM	823372	7 35858 12708 0	10	SPARE, BOTTOM PANEL- PAINTED
FHDFEET	823396	7 35858 12709 7	10	SPARE, PEDISTAL FOOT (BEIGE)
FHDSHRD	823387	7 35858 12712 7	10	SPARE, HSBP FAN SHROUD
FHDPKG	823390	7 35858 12713 4	1	SPARE, PACKAGING
FHDEYE2C	823392	7 35858 12720 2	10	SPARE, CABLE I2C
FHDLVDSCBL	823391	7 35858 12705 9	10	SPARE, CABLE, SCSI WIDE,LVDS Note: Use FHD3SCSICBL for HSRP SKU.
AXXEXTSCSICBL	830656	7 35858 13953 3	1	ACCESSORY, EXTERNAL SCSI CABLE. For use with SCSI Knock-out on chassis.

AXX2ICMBKIT	836017	7 35858 14653 1	1	ICMB Board Assembly
PWRCABLEUS	816324		1	North American Power Cord – single cord