Intel® Server Board SE7501BR2
Intel® Server Chassis SC5200
Intel® Server Chassis SC5250-E
Intel® Server Chassis SR1350-E
Spares/Parts List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Server Board SE7501BR2 and Intel Server Chassis Knock-Down-Kit products

Rev 2.0
July 2004

Change History:

Rev 2.0: (July '04) Updated accessories for SR1350-E
Rev 1.9: (June '04) Updated MM#'s for BBR2BB due to BIOS ECO
Rev 1.8: (December '03) Updated power supply MM#'s for SC 5250-E and SC5200
Rev 1.7: (October '03) Updated OEM Board MM#
Rev 1.6: (October '03) Added SRCU42X and DIMM Cooler
Rev 1.5: (August '03) Added SRCS14L and SC5250-E for SATA
Rev 1.4: (June '03) Added SATA information
Rev 1.3: (May '03) Added SR1350-E information.
Rev 1.2: (Mar '03) Updated new SKUs for power cord ECO.
Rev 1.1: (Jan '03) Added information on SC5250-E chassis. Updated MM# for OEM board due to ECO.
Rev 1.0: (Nov '02) First published version.

Disclaimer

Contents

Production Boxed Board and KDKs

This section contains information needed to order and configure a *production Intel Server Board SE7501BR2 (boxed SKU) with a production Intel Server Chassis SC5200 or SC5250-E KDK.*

1) The production server board SE7501BR2 contains the following:

- One baseboard
- ATX I/O shield and gasket
- Cables: Floppy, IDE, COM2 and U320 SCSI
- Quick-start users guide
- Configuration label, warning label and back-panel label
- Two CD-ROMs:
    1. Intel® Server Management Software CD
    2. Resource CD with Intel Server Maintenance and Reference Training (SMaRT) tool, utilities software, drivers, documentation and technical information.

2) The *production server chassis SC5200 KDK* is available in four configurations: Base, Base Redundant Power, 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 **Base Redundant** chassis includes:
    - Redundant (1+1) 450W PFC power supply with dual line cord support
    - Full redundancy requires 450W module, order code FHD3BRPS450W
    - 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. (Full redundancy requires additional 350W module, order code AXX2PSMODL350)
  - – 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)
    - ■ Two North American power cords (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.

3) The production server chassis **SC5250-E** KDK is available in one base pedestal configuration in a choice of either beige or black color both of which contain the following:

- – Fixed (non-redundant) 450W PFC power supply
- – Two system fans (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.

Product Code	MM #	UPC	Qty. Included	Description
SE7501BR2	848909	7 35858 15805 3	1	PRODUCTION SE7501BR2 BOXED BOARD (MOQ IS 5)
KPTBASE450	~~852511~~ ~~853718~~ 858478	7 35858 15945 6	1	PRODUCTION SC5250-E KDK (BEIGE) power cord not included
KPTBASE450NA	~~854463~~ 858513	Same as above	1	Same as above – includes NA power cord
KPTBASE450BLK	~~852295~~ ~~853719~~ 858479	7 35858 15964 7	1	PRODUCTION SC5250-E KDK (BLACK) power cord not included
KPTBASE450BLKNA	~~854465~~ 858511	Same as above	1	Same as above – includes NA power cord
KHD3BASE450	~~844923~~ ~~852375~~ 858480	7 35858 15350 8	1	PRODUCTION SC5200 KDK (450W NON REDUNDANT PS). power cord not included
KHD3BASE450NA	~~852502~~ 858514	Same as above	1	Same as above – includes NA power cord
KHD3RP450	~~851456~~ 853634	7 35858 15931 9	1	PRODUCTION BASE REDUNDANT SC5200 KDK (450W 1+1 RP) power cord not included
KHD3RP450NA	852134	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650	~~844342~~ 852401	7 35858 15290 7	1	PRODUCTION SC5200 KDK (HSRP 650W 2+1) power cord not included
KHD3HSRP650NA	852155	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650R	~~844341~~ 852312	7 35858 15291 4	1	PRODUCTION SC5200 RACK KDK (HSRP 650W 2+1) power cord not included
KHD3HSRP650RNA	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 server chassis SC5200 KDK with the Production Server Board SE7501BR2 OEM SKU.*

1) The production server board SE7501BR2 OEM SKU 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.

Intel Server Chassis SR1350-E

This section contains information needed to order and configure a *production server chassis SR1350-E 1U Rack Chassis KDK with the production Server Board SE7501BR2.*
Intel recommends using boxed Intel® Xeon™ processors for 1U rack mount servers.

See previous sections for Server Board SE7501BR2 board information.

■ The rack server chassis **SR1350-E** KDK includes:

   – Fixed Drive Bay supporting up to two cabled IDE or SCSI HDDs (cable not included with KDK)

   – 350W PFC power supply (non redundant)

   – Chassis cooling fans and ducting

   – Rack rails not included but are available as separate accessory

   – Cables (1 each):

      ■ Front Panel Cable (34-pin baseboard header to front panel)

      ■ Chassis Intrusion Cable (baseboard header to chassis switch)

      ■ One 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.

Product Code	MM	UPC	Description
SR1350ENA	854461	7 35858 16150 3	KDK, (1) riser card, (2) I/O shields, (1) 350W PSU, no CD/Floppy. **with North America Power Cord**
SR1350E	853585	7 35858 16073 5	KDK, (1) riser card, (2) I/O shields, (1) 350W PSU, no CD/Floppy. **No Power Cord included**
AKACDFLOPPY	853921	7 35858 16107 7	Floppy cable, CD cable, mounting screws, interface boards (drives not included)
AKASCSICABLE	853922	7 35858 16108 4	SCSI cable and terminator

FKAPMKIT	853920	7 35858 16105 3	Spares Kit- Chassis fans (2), FP board, FP cable, air duct, PCI riser card, I/O shields & gaskets (2), ATA cable
FXXCBL350K	853919	7 35858 16106 0	350W power supply spare
AXX1U2URAIL	837071	7 35858 14763 7	Rail kit for SR1350-E and other Intel Server chassis. Contains (1) set of left & right rail kit (1/2 bearing), (1) rail installation instruction sheet
FXXBRACKETS	837069	7 35858 14762 0	1U/2U rack brackets for SR1350-E and other Intel Server chassis. Contains (1) Right Front/Mid brackets, (1) Left Front/Mid bracket, (1) Right Rear bracket, (1) Left rear bracket, appropriate screws/washers, installation instruction sheet.

Product Code	MM #	UPC	Qty. Included	Description
BBR2BB	~~845358~~ ~~852887~~ ~~857552~~ 858346	7 35858 15804 6	10	PRODUCTION SE7501BR2 OEM BASEBOARD
ABRIO	849861	7 35858 15761 2	50	SE7501BR2 I/O SHIELD AND GASKET (50 PACK)
KPTBASE450	~~852511~~ ~~853718~~ 858478	7 35858 15945 6	1	PRODUCTION SC5250-E KDK (BEIGE) power cord not included
KPTBASE450NA	~~854463~~ 858513	Same as above	1	Same as above – includes NA power cord
KPTBASE450BLK	~~852295~~ ~~853719~~ 858479	7 35858 15964 7	1	PRODUCTION SC5250-E KDK (BLACK) power cord not included
KPTBASE450BLKNA	~~854465~~ 858511	Same as above	1	Same as above – includes NA power cord
KHD3BASE450	~~844923~~ ~~852375~~ 858480	7 35858 15350 8	1	PRODUCTION SC5200 KDK (450W NON REDUNDANT PS). power cord not included
KHD3BASE450NA	~~852502~~ 858514	Same as above	1	Same as above – includes NA power cord
KHD3RP450	~~851456~~ 853634	7 35858 15931 9	1	PRODUCTION BASE REDUNDANT SC5200 KDK (450W 1+1 RP) power cord not included
KHD3RP450NA	852134	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650	~~844342~~ 852401	7 35858 15290 7	1	PRODUCTION SC5200 KDK (HSRP 650W 2+1) power cord not included
KHD3HSRP650NA	852155	Same as above	1	Same as above – includes NA power cord
KHD3HSRP650R	~~844341~~ 852312	7 35858 15291 4	1	PRODUCTION SC5200 RACK KDK (HSRP 650W 2+1) power cord not included
KHD3HSRP650RNA	852219	Same as above	1	Same as above – included NA power cord

Intel RAID options for Intel Server Board SE7501BR2:

Product Code	MM #	UPC	Qty. Included	Description
SRCU42X	855829		1	SRCU42X – Dual Ultra 320, PCI-X 64-bit/133MHz, ships with 128MB DIMM, supports optional battery backup.
SRCU42L	847810		1	INTEL RAID CONTROLLER SRCU42L: 2 Channel (1 internal, 1 external) Ultra320, 64-bit/66MHz. 80303 IOP (Zion). 64MB SDRAM memory down. Audible Alarm.
SRCU32U	845946		1	INTEL RAID CONTROLLER SRCU32 - Dual channel, Ultra160, 32-256MB, Intel 80303 IOP processor @ 100 MHz (Zion), 64/66.
SRCZCR	851134		1	INTEL RAID CONTROLLER SRCZCR - Modular ROMB solution. Turns two onboard SCSI channels into RAID. 32 MB memory integrated, PCI 64/66, Intel® 80303 I/O processor.
SRCS14L	850567		1	INTEL RAID CONTROLLER SRCS14L – Low profile, 4-port Serial ATA RAID controller, 64 MB of PC100 ECC SDRAM, audible alarm, PCI 64-bit/66MHz PCI 2.2 interface

Note: Check http://support.intel.com/support/motherboards/server/compat_matrix.htm for latest validated Intel RAID options.

Production Chassis Spares & Accessories

Product Code	MM #	UPC	Qty. Included	Description
ASATAHSDB	853276	7 35858 159487	1	SATA Drive Bay including SATA Hot Swap drive bay assembly, 4 SATA drive carriers, 1 SATA connection ID label, 4 SATA cables and 1 user guide. Works with SC5250-E and SC5200 Base, BRP and HSRP chassis.
FSWMEMFAN	852787	7 35858 16022 3	1	Optional Memory Cooling Enhancement Fan Accessory.
FPTCOSMKIT	852424	7 35858 159739	1	SC5250-E cosmetics kit : one of each color front bezel, chassis feet, 2 side cover latches
FPTPMKIT	852425	7 35858 159722	1	SC5250-E maintenance kit: front panel board and cable, USB cable, intrusion switch/cable, 1of each fan (92MM and 120MM) and one box of hardware which consist of a complete set of screws and mounting hardware (standoffs &

				rubber bumper) peripheral rails, cable ties, brackets for mounting HS HDD bay.
FHD3BRPS450W	851831	7 35858 159487	1	2nd Power Supply Module for SC5200 Base Redundant (KHD3RP450) chassis KDK power cord not included
FHD3BRPDB	852234	7 35858 159654	1	Power Distribution Board for SC5200 Base Redundant (KHD3RP450) chassis KDK
AHD3HSBPYCBL	848239	7 35858 15645 5	10	New SCSI Y-cable to work with SC5200 HSRP. Permits cabling two backplanes to one SCSI/RAID channel.
FHD3SCSICBL	847537	7 35858 15475 8	10	New SCSI cable to work with SC5200 HSRP. Connects baseboard to SCSI backplane (non-terminated).
AHD3RACK	845727	7 35858 15426 0	1	Rack upgrade kit with new SC5200 hot swap fan access side cover. Backwards compatible with SC5100 (includes both side covers)
FHD3HSDUCT	844704	7 35858 15305 8	1	Plastic duct and fan holder/harness for SC5200 HSRP SKU
FHD3HSSIDE	844701	7 35858 15306 5	5	HS fan chassis side cover with fan access door for SC5200 HSRP SKU
FHD3BASEFANS	844703	7 35858 15303 4	1	SC5200 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	SC5200 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 & SC5250-E power cord not included
FHD2EPAC	835950	7 35858 14632 6	1 SET	EPAC Set for SC5200 Base chassis (without hot swap fans)
AXX2PSMODL350	841602	7 35858 14629 6	1	350W POWER SUPPLY MODULE UPGRADE OR SPARE. Works with SC5100, SC5200, or SR2200 HSRP power cord not included
AXX2HSDRVUG	835948	7 35858 14630 2	1	SC5200/SC5250-E 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 INTO 5U RACK. INCLUDES RAILS, RACK MOUNTING HDW, RACK BEZEL IN BLACK. Will work with SC5100 or SC5200 base

				SKU. Use AHD3RACK for HSRP SKU
FHD2DLTBRK	836423	7 35858 14669 2	5 SETS	SC5200 DLT MOUNTING BRACKET, INCLUDES SLIMLINE CD ROM MOUNTING BRACKET, AND CONNECTOR BOARD
FHD2PSCAGE2P1	836424	7 35858 14668 5	1	SC5200 650W 2+1 POWER SUPPLY CAGE –DLC power cord not included
FHD2FPBRD	835851	7 35858 14622 7	1	SC5200 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 SC5200 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	SC5200 HARDWARE KIT – SCREWS 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
AXXSCD	856519	0073585816 9271	1	Slim line CD for use with SR1350-E.
AXXSFLOPPY	856444	0073585816 9288	1	Slim line Floppy for use with SR1350-E.
AXXDVDCDR	857593	0073585816 4962	1	DVD/CDR slim line drive for SR1350-E. Supports DVD/CD and CD write.
PWRCABLEUS	816324	0073585816 2883	1	North American power cord