

Intel® Entry Server Board SE7210TP1-E, Intel Server Platform SR1325TP1-E, Intel® Server Chassis SC5200 and SC5250-E Configuration Guide and Spares/Parts List

A reference guide to assist customers in ordering the necessary components to configure the Server Board SE7210TP1-E, Server Platform SR1325TP1-E, Server Chassis SC5200 and SC 5250-E Products

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Contents

Contents.....	2
SE7210TP1-E Product Family Overview	3
SE7210TP1-E Board Configuration Overview	3
Intel Server Platform SR1325TP1 Configuration Overview.....	4
SE7210TP1-E Chassis Offerings	5
SE7210TP1-E Baseboard Ordering Information.....	5
Intel Server Platform SR1325TP1 Ordering Information	6
Intel® RAID Controller Options for Server Board SE7210TP1-E.....	6
Server Chassis SC5200 BRP (BRP) Ordering Information	7
Server Chassis SC5250-E Ordering Information	7
Spares and Accessories:	8
SE7210TP1-E Board Spares and Accessories (N/A).....	8
Integrated Platform SR1325TP1 Spares and Accessories.....	8
SC5200 Production Chassis Spares and Accessories	9
SC5250-E Production Chassis Spares and Accessories	10

Production Configurations

SE7210TP1-E Product Family Overview

The Intel SE7210TP1-E product family consists of four production board skus and an integrated 1U sku known as the Intel Server Platform SR1325TP1-E. This configuration guide describes the following production board and chassis skus which are being offered as part of the SE7210TP1-E product family;

- a) **SE7210TP1** – Boxed board (base sku)
- b) **SE7210TP1SCSI** – Boxed board with an additional integrated Adaptec single channel U320 controller
- c) **BTPBB** – OEM 10-pack (base sku)
- d) **BTPSCSIBB** – OEM board with an additional integrated Adaptec single channel U320 controller
- e) **SR1325TP1** – Integrated 1U server platform (See SR1325TP1-E Configuration Overview Section below for more information)

SE7210TP1-E Product Family Board Configuration Overview

This section contains information needed to order and configure a production Server Board SE7210TP1-E with a Server Chassis SC5200, SC5250-E or a third party pedestal chassis.

1. The SE7210TP1-E product family is offered in four production board configurations;
 - a) **SE7210TP1** – Boxed board (base configuration: Parallel ATA and Serial ATA device support)
 - b) **SE7210TP1SCSI** – Boxed board base configuration with an additional integrated Adaptec single channel U320 controller
 - c) **BTPBB** – OEM 10-pack (10-pack of boards; base configuration)
 - d) **BTPSCSIBB** – OEM 10-pack (10-pack of boards; base configuration with an additional integrated Adaptec single channel U320 controller)
2. The production **Boxed Server Board SE7210TP1** contains the following:
 - a. One Intel® Entry Server Board SE7210TP1 (base configuration)
 - b. Quick Start User Guide
 - c. 2 CD-ROMs with Intel Server Management 5.8 software**, software drivers, configuration tools, and technical product information
 - d. Two Serial ATA cables
 - e. One floppy-drive cable
 - f. One ATA/66/100 hard-drive cable
 - g. ATX 2.01-compliant I/O shield
 - h. Configuration label, stickers and back-panel label
3. The production **Boxed Server Board SE7210TP1SCSI** contains the following in addition to the boxed SE7210TP1 listed above in section 2:
 - One U320 SCSI cable
4. The Intel Entry Server Board SE7210TP1-E has been validated with the following Intel chassis:
 - **Intel Server Chassis SC5200** (Base Redundant Power)
 - **Intel Server Chassis SC5250-E**
5. The Intel Entry Server Board SE7210TP1-E is also validated with a number of third party pedestal and high-density chassis. Please see the SE7210TP1-E section of support.intel.com (post launch) and the product snapshot updates (pre-launch) for the latest reference chassis list and information.

Intel Server Platform SR1325TP1-E Configuration Overview

This section contains ordering and configuration information for the Intel Server Platform SR1325TP1-E. This is an Intel designed and integrated 1U high density platform consisting of an SE7210TP1-E family server board and an Intel 1U enclosure which is designed only to be supported and offered to customers as the Intel Server Platform SR1325TP1 product sku.

Note: Intel is not offering a stand alone SR1325-E chassis sku for the SE7210TP1-E product family. Customers configuring with third party high density chassis solutions should order one of the four SE7210TP1-E board configurations described in the previous section (See section 1 of the SE7210TP1-E Board Configuration Overview)

1. The SR1325TP1-E integrated server platform contains five fans and a 250W Power Supply. The Intel Server Platform SR1325TP1-E includes:

- 1U SR7210TP1-E server board
- 1U SR1325-E chassis with 250W Power Supply
- Chassis cooling fans and ducting
- 1U Intel designed heatsink and heatsink mounting plate
- CD cable
- Floppy cable
- CD and floppy filler panel
- Intel cosmetic bezel
- North American power cord (varies by sku – see ordering tables below)
- Front panel board and cable (34-pin baseboard header to front panel)
- One PCI riser card assembly (one PCI-X capable slot)
- Intrusion switch
- Floppy/CD bracket assembly
- HDD Carrier Trays (2)
- I/O gasket
- Fixed drive bay supporting two cabled IDE, SATA or SCSI HDD's (SCSI cable not included)

Note: A KDK Accessory Kit ships with the Server Platform SR1325TP1-E and includes the following additional items. (This kit is included with the Server Platform SR1325TP1-E)

- 2 SATA Cables
 - 1 IDE Cable
 - Flex circuit CD interface board to floppy drive cable
 - CD Interface board and mounting screws
 - Floppy mounting screws
 - Boxed board configuration label
 - Rack handles (2) and screws
 - Cable ties
 - Quick start guide
 - Appropriate additional screws
 - 2 CD-ROMs
 - Intel Server Management 5.8 software,
 - Resource CD with software drivers, utilities software, configuration tools, and technical information
- [Rack rails are not included but are available as a separate accessory item \(see ordering tables below\)](#)
 - [Support for 3rd HDD \(SATA or IDE\) via an accessory kit upgrade \(see ordering tables below\)](#)

Note: The Intel Server Platform SR1325TP1-E does **not** ship with a CPU, HDD, memory, floppy drive or CD drive populated. CD and floppy drives can be ordered from the SR1325TP1-E accessory list. See the accessory list in this configuration guide for a list of available SR1325TP1-E spares and accessories along with the necessary ordering information. Please reference the latest THOL for the latest list of validated and compatible drives.

SE7210TP1-E Chassis Offerings

This section contains information needed to order and configure a production Server Board SE7210TP1-E with a Server Chassis SC5200, SC5250-E or third party pedestal chassis.

- 1) **The Intel Server Chassis SC5250-E** is available in either black or beige and includes two system fans and a fixed 450W power supply. A hot swap SCSI backplane accessory is available as an upgrade option. The chassis contains the following:
 - Fixed power supply
 - Two system fans
 - Cables (1 each)
 - Front panel cable
 - USB cable
 - Chassis intrusion cable
 - Adapter plates for hot swap SCSI backplane
 - North American power cord (varies by SKU –see table below)
 - [Optional SATA backplane accessory](#)
 - Printed Quick Start Guide and electronic copy of product guide (manual) on a CD-ROM.

- 2) **The Intel Server Chassis SC5200** is available in two SKUs. One with a fixed power supply and another with a redundant power supply. Full validation on the SE7210TP1-E has been completed on the redundant power supply (BRP) version. There are also accessories available to reconfigure as a rack and add a hot swap SCSI backplane. The KDK contains the following:
 - Fixed power supply (450W) or redundant power supply (450W 1+1)
 - Four system fans and EPAC (not hot-plug)
 - 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.

3. The Server Board SE7210TP1-E is also validated with a number of third party pedestal and high density chassis. Please see the SE7210TP1-E section of support.intel.com for details.

SE7210TP1-E Production Board Ordering Information

Product Code	MM #	UPC	Quantity Included	Description
SE7210TP1	855944	7 35858 16392 7	1	Intel entry server SE7210TP1 Boxed Board (base configuration; with 2

				integrated SATA ports and 2 PATA headers)
SE7210TP1SCSI	855938	7 35858 16393 4	1	Intel entry server SE7210TP1SCSI Boxed Board (base configuration and an integrated single channel U320 SCSI controller)
BTPBB	855936	7 35858 16557 0	1	OEM 2-port sku (10 pack). 10-pack Base board only (base configuration; with 2 integrated SATA ports and 2 PATA headers)
BTPSCSIBB	855937	7 35858 16556 3	1	OEM 2-port sku (10 pack). 10-pack Base board only. (base configuration and an integrated single channel U320 SCSI controller)

Intel Server Platform SR1325TP1-E Ordering Information – Production Units

Product Code	MM #	UPC	Quantity Included	Description
SR1325TP1	856605	7 35858 16394 1	1	Integrated 1U SR1325TP1-E production server platform with board and chassis. Includes 1U heatsink. -- Power cord NOT included
SR1325TP1NA	857848	7 35858 16395 8	1	Integrated 1U SR1325TP1-E production server platform with board and chassis. Includes 1U heatsink -- Power cord included

Intel® RAID Controller Options for Server Board SE7210TP1-E

Product Code	MM #	UPC	Quantity Included	Description
SRCU42L	847810	7 35858 15787 2	1	Intel® SRCU42L RAID Controller: 2 Channel (1 internal, 1 external) U320 RAID controller with 80303 @100 MHz I/O Processor with 64MB cache.

				Low profile PCI card with audible alarm
SRCZCR	851134	7 35858 15891 6	1	Intel SRCZCR RAID Controller – Modular ROMB solution. Turns two onboard SCSI channels into RAID. 32MB memory integrated, PCI 64/66, Intel® 80303 I/O Processor

Server Chassis SC5200 BRP (Base Redundant Power) Ordering Information

Product Code	MM #	UPC	Quantity Included	Description
KHD3RP450	853634	735858 15931 9	1	Redundant chassis SKU, 450W 1+0 chassis with one power supply modules. Hot swap drive backplane is NOT included in this SKU, but can be purchased as an accessory -- Power cord NOT included
KHD3RP450NA	852134	735858 15931 9	1	Redundant chassis SKU, 450W 1+0 chassis with one power supply modules. Hot swap drive backplane is NOT included in this SKU, but can be purchased as an accessory -- Power cord included

Server Chassis SC5250-E Ordering Information

Product Code	MM #	UPC	Quantity Included	Description
KPTBASE450	853718	735858159456	1	SC5250-E production chassis (Beige color) – Power cord NOT included
KPTBASE450NA	854463	735858159456	1	SC5250-E production chassis (Beige color) – Power cord Included

KPTBASE450BLK	853719	735858159647	1	SC5250-E production chassis (Black color) – Power cord NOT included
KPTBASE450BLKNA	854465	735858159647	1	SC5250-E production chassis (Black color) – Power cord included

Spares and Accessories:

SE7210TP1-E Board Spares and Accessories (N/A)

Integrated Platform SR1325TP1-E Spares and Accessories

Product Code	MM #	UPC	Qty. Included	Description
FXXCBL250K	856361	7 35858 16418 4	1	250W Power Supply
AXXTPHS	856583	7 35858 16419 1	1	1U Heatsink, heatsink mounting plate and installation guide
FTPAPMKIT	856368	7 35858 16420 7	1	SR1325TP1 chassis maintenance kit
AXXSCD*	856519	7 35858 16426 9	1	Slimline CD Accessory and mounting hardware
AXXSFLOPPY*	856444	7 35858 16427 6	1	Slimline Floppy Accessory and mounting hardware
AXX1U2URAIL*	837071	7 35858 14763 7	1	Rail kit for Intel Server Platform SR1325TP1-E and other Intel chassis. Contains (1) set of left 7 right rail kit (1/2 bearing), (1) rail installation instruction sheet
FXXBRACKETS*	837069	7 32858 14762 0	1	1U brackets for Intel Server Platform SR1325TP1-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 kit
AKASCSICABLE*	853922	7 35828 16108 4	1	SCSI cable and terminator
ATPA3HDUPKIT	857943	7 35858 16573 0	1	Optional HDD kit for support of a third SATA or IDE HDD with the Intel Server Platform SR1325TP1. (3rd HDD enabled in place of the CD/floppy). Includes three SATA cables, CDROM filler panel, appropriate screws and an installation guide

SC5200 Production Chassis Spares and Accessories

Product Code	MM #	UPC	Qty. Included	Description
AXX2HSDRVUG	835948	7 35858 14630 2	1	HOT SWAP SCSI DRIVE UPGRADE KIT - UPGRADE BASE KDK SKU TO 5 HOT SWAP SCSI 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.
AHG2IO	844599	7 35858 15299 0	50	I/O SHIELD AND GASKET- SE7505VB2. COMMON PART WITH SHG2
FHD3BRPS450W	851831	735858 15948 7	1	Spare 450W power module for SC5200 Base Redundant KDK. Power cord not included.
FHD3BRPDB	852234	735858 15965 4	1	Power distribution board spare for the SC5200 Base Redundant KDK power supply
FHD2DLTBRK	836423	7 35858 14669 2	5 SETS	DLT MOUNTING BRACKET, INCLUDES SLIMLINE CD ROM MOUNTING BRACKET, AND CONNECTOR BOARD
FHD2FPBRD	835851	7 35858 14622 7	1	FRONT PANEL BOARD & CABLE

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)
FHDPKG	823390	7 35858 12713 4	1	SPARE, PACKAGING
AXXEXTSCSICBL	830656	7 35858 13953 3	1	ACCESSORY, EXTERNAL SCSI CABLE
ASATAHSDB	853276	7 35858 15948 7	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
PWRCABLEUS	816324	7 35858 16288 3	1	North American Power Cord

SC5250-E Production Chassis Spares and Accessories

Product Code	MM #	UPC	Qty. Included	Description
AXX2HSDRVUG	835948	7 35858 14630 2	1	HOT SWAP SCSI DRIVE UPGRADE KIT - UPGRADE BASE KDK SKU TO 5 HOT SWAP SCSI DRIVES
FPTPMKIT	852425	7 35858 15972 2	1	Preventative maintenance Kit 1 Front Panel Board 1 Front Panel cable 1 USB cable 1 Intrusion Switch/cable 1 92MM fan 1 120MM fan with fan guard attached 1 box of hardware which consist of: 2 left side peripheral rails

				<p>2 right side peripheral rails 1 lockplate 15 standoffs for server board mounting 9 screws to mount RM 38 screws to mount server board, etc (common screw) 11 countersunk screws to mount CDROM, Floppy, etc 4 screws to mount fan to a Hud3 HS Bay 4 tie wraps for cable management 1 cable clamp for cable management 1 cable tie to cable management with Hud3 HS Bay 1 rubber bumper for server board mounting 2 mounting brackets for Hud3 HS bay</p>
PWRCABLEUS	816324	7 35858 16288 3	1	North American Power Cord
ASATAHSDB	853276	7 35858 15948 7	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
FPTCOSMKIT	852424	7 35858 15973 9	1	SE5250-E Cosmetic kit 1 black bezel 1 dusty beige bezel 4 chassis feet 2 side cover latches