

Intel® Server Board SE7501WV2 Intel® Server Chassis SR1300 Intel® Server Chassis SR2300 Spares/Parts List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel Server Boards SE7501WV2 and Intel Server Chassis SR1300, SR2300 Knock-Down-Kit products

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A. Production Board Descriptions - SE7501WV2

- 1) The production **SE7501WV2 boxed board** contains the following:
 - Base board (with 533 MHz front side bus)
 - Available in SCSI and ATA RAID versions
 - ATX I/O shield and gasket
 - Mouse/Keyboard dongle
 - "Welcome mat"
 - Production CD-ROM #1 with SW, drivers, documentation, etc.
 - Production CD-ROM #2 with Intel Server Management
- 2) The following chassis kdk/systems are available for the SE701WV2 production:
 - The 1U Intel Server Chassis SR1300 chassis
 - The 2U Intel Server Chassis SR2300 (500W hotswap 1+0 redundant)
 - The 2U Intel Server Chassis SR2300 (fixed power supply 480W)
 - An integrated SR2300/SE7501WV2 system

B. Production chassis KDKs Descriptions

The Intel Server Chassis SR1300 (1U) production includes:

- Fixed power supply (350W)
- No backplane – backplane sold as an accessory (see order codes)
- Fan module with 5 fans
- (2) Risers with brackets
- Front panel and power share board
- Front/mid-mount rack brackets, screws, rack handles, front panel, duct/baffle, air dam, cable ties, 1 retention mechanism, and 4 screws
- 2 hard drive carriers, flex bay blank.
- Software CD w/ documentation
- Cables (1 each):
 - USB Cable (baseboard to USB header)
 - Flex circuit cable (100pin)
 - North American power cord (North American SKU only)
 - Backplane to front panel cable

B. Production chassis KDKs Descriptions (cont.)

The Intel Server Chassis SR2300 (2U) hotswap or fixed power supply production will include:

- Hotswap redundant SKU: 1+0 500W power supply and cage. Additional 500W power supply sold as accessory and required for redundancy.
- Fixed power supply SKU: fixed 480W power supply.
- SCSI backplane
- 3 Fans (fourth fan for redundancy sold as an upgrade option)
- (2) Risers
- Front/mid-mount rack brackets, rack handles, front panel, duct/baffle, cable ties, air dam, 2 retention mechanisms, and 8 screws
- 4 of 6 hard drive carriers. Additional carriers sold as an accessory.
- 2 hard drive blanks
- Software CD w/ documentation
- Cables (1 each):
 - USB Cable (baseboard to USB header)
 - Flex circuit cable (100pin)
 - Backplane to front panel cable
 - North American power cord (North American sku only)
 - SCSI cable

C. Production Integrated Systems Descriptions

The “Intel Server Platform” SKU with the Intel Server Board SE7501WV2 integrated into the Intel Server Chassis SR2300 includes:

- Intel Server Board SE7501WV2 integrated in an Intel Server Chassis SR2300 1+ 0 500W power supply version
- CD/Floppy module integrated
- Intel SR2300 hotswap redundant SKU: 1+0 500W power supply and cage. Additional power supply sold as accessory (required for redundancy).
- SCSI backplane
- 4 Fans (includes fourth fan for redundancy)
- (2) PCI Risers
- Front/mid-mount rack brackets, rack handles, front panel, duct/baffle, cable ties, air dam, retention mechanism, and screws
- 6 (of 6) hard drive carriers
- Tape drive power cable
- Software CD w/ documentation
- Cables (1 each):
 - USB Cable (baseboard to USB header)
 - Flex circuit cable (100pin)
 - Backplane to front panel cable
 - North American power cord (North American SKU only)
 - SCSI cable

D. Accessories

Processors – NOTE: Production product will not include processor, memory, drives, etc. needed for working configuration. Please see Intel memory test plan for recommended memory list. For processors, it is recommended to use the Intel boxed processors, see below for ordering information.

Important notes:

- **Intel Server Board SE7501WV2: supports 400 MHz and 533 MHz FSB processors**
- **The Intel Server Chassis SR1300 (1U) processors require specific 1U processors with a low profile heatsink. The Intel Server Chassis SR2300 (2U) requires the processors with the 2U+ heatsink.**
- **Always refer to support.intel.com for the official, latest list of supported/validated processors for the SE7501WV2, SR1300, and SR2300. Latest list at:**

Intel Server Board SE7501WV2:

<http://support.intel.com/support/motherboards/server/se7501wv2/procsupp.htm>

Production Accessories / Options

- Customers may order production accessories (e.g. CD/Floppy, 500W power supply, etc.) to complete their system. Order codes are listed in the next section.

E. Order Codes

Production-1U ATA order codes

Product Code	UPC	MM#	Description	Qty Per
SE7501WV2ATA	0 07358 5815919 7	851374	Intel Server Board SE7501WV2 - ATA boxed board version. Support dual Xeon 533 MHz processors, DDR memory, PCI-X, onboard dual Intel gigabit, dual ATA RAID, and Intel Server Management version 5.5. For use with the Intel Server Chassis SR1300 and SR2300. Includes board, ATX IO shield, keyboard/mouse dongle, "welcome mat", CD-ROM with drivers & documentation	5, 1
KCW	7 35858 15562 5	852402 (with no power cord, effective April, 2003)	Intel Server Chassis SR1300 (1U). For use with Intel Server Board SE7501WV2. Includes 350W power supply, 5 fans, 2 PCI-X slots, 2 of 3 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Requires ATA or SCSI backplane accessory. Effective mid March, 2003: does not include North American power cord.	1
KCWNA	7 35858 15562 5	851843	Intel Server Chassis SR1300 (1U). For use with Intel Server Board SE7501WV2. Includes 350W power supply, 5 fans, 2 PCI-X slots, 2 of 3 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Requires ATA or SCSI backplane accessory. Effective April, 2003: includes North American power cord.	1
BCW1UABPWB	7 35858 15563 2	847598	Intel Server Chassis SR1300 - ATA backplane accessory. Includes backplane and ATA cables.	1,5

Production-1U SCSI order codes (all required)

Product Code	UPC	MM#	Description	Qty Per
SE7501WV2SCSI	7 35858 15918 0	851370	Intel Server Board SE7501WV2 - SCSI boxed board version. Support dual Xeon 533 MHz processors , DDR memory, PCI-X, onboard dual Intel gigabit, dual channel Ultra320 SCSI , and Intel Server Management version 5.5. For use with the Intel Server Chassis SR1300 and SR2300. Includes board, ATX IO shield, keyboard/mouse dongle, "welcome mat", CD-ROM with drivers & documentation.	5, 1
KCW	7 35858 15562 5	852402 (with no power cord, effective April, 2003)	Intel Server Chassis SR1300 (1U). For use with Intel Server Board SE7501WV2. Includes 350W power supply, 5 fans, 2 PCI-X slots, 2 of 3 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Requires ATA or SCSI	1

			backplane accessory. Effective mid March, 2003: does not include North American power cord.	
KCWNA	7 35858 15562 5	851843	Intel Server Chassis SR1300 (1U). For use with Intel Server Board SE7501WV2. Includes 350W power supply, 5 fans, 2 PCI-X slots, 2 of 3 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Requires ATA or SCSI backplane accessory. Effective April, 2003: includes North American power cord.	1
BCW1USBPWB	7 35858 15564 9	847599	Intel Server Chassis SR1300 - SCSI backplane accessory. Includes backplane, 1 drive carrier, and SCSI cable.	1,5

Production-2U SCSI order codes

Product Code	UPC	MM#	Description	Qty Per
SE7501WV2SCSI	7 35858 15918 0	851370	Intel Server Board SE7501WV2 - SCSI boxed board version. Support dual Xeon 533 MHz processors , DDR memory, PCI-X, onboard dual Intel gigabit, dual channel Ultra320 SCSI , and Intel Server Management version 5.5. For use with the Intel Server Chassis SR1300 and SR2300. Includes board, ATX IO shield, keyboard/mouse dongle, "welcome mat", CD-ROM with drivers & documentation.	5, 1
KSW	7 35858 15512 0	861031	Intel Server Chassis SR2300 (2U) - redundant power SKU. For use with Intel Server Board SE7501WV2. Includes 500W hotswap power supply, SCSI backplane, 3 fans, 6 PCI-X slots, 4 of 6 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Optional second redundant power supply and 4 th fan for redundant cooling available as accessories.	1
KSWNA	7 35858 15512 0	861098	Intel Server Chassis SR2300 (2U) - redundant power SKU. For use with Intel Server Board SE7501WV2. Includes 500W hotswap power supply, SCSI backplane, 3 fans, 6 PCI-X slots, 4 of 6 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Optional second redundant power supply and 4 th fan for redundant cooling available as accessories. Effective April, 2003: includes North American power cord.	1
KSW480	7 35858 15513 7	854197	Intel Server Chassis SR2300 (2U) - fixed power SKU. For use with Intel Server Board SE7501WV2. Includes 480W power supply, 3 fans, 6 PCI-X slots, 4 of 6 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Optional 4th fan for redundant cooling available as an accessory.	1
KSW480NA	7 35858 15513 7	851842	Intel Server Chassis SR2300 (2U) - fixed power SKU. For use with Intel Server Board SE7501WV2. Includes 480W power supply, 3 fans, 6 PCI-X slots, 4 of 6 HDD carriers, software CD, 5 cables, rack handles, front panel, ducting/baffle, screws, RM. Optional 4th fan for redundant cooling available as an accessory.	1

			Effective April, 2003: includes North American power cord.	
SE7501WV2SKU02	7 35858 15938 8	861032	Intel Server Board SE7501WV2 and Intel Server Chassis SR2300 integrated system. Include server board with documentation and software CDs, SR2300 server chassis (redundant power version with 1 of 2 power supplies) and its sub-components, 4 th redundant fan, 6 of 6 hard drive carriers, tape drive power cable, and CD-Floppy module.	1
SE7501WV2S02NA	7 35858 15938 8	861095	Intel Server Board SE7501WV2 and Intel Server Chassis SR2300 integrated system. Include server board with documentation and software CDs, SR2300 server chassis (redundant power version with 1 of 2 power supplies) and its sub-components, 4 th redundant fan, 6 of 6 hard drive carriers, tape drive power cable, and CD-Floppy module. Effective April, 2003: includes North American power cord.	1
KSWDC	735858170734	865061	Intel Server Chassis SR2300 (2U) - DC power SKU. For use with Intel Server Board SE7501WV2. Includes 1 of 2 DC power supply and cage, 3 of 4 fans, 6 PCI-X slots, 6 of 6 HDD carriers, cables, rack handles, front panel, ducting/baffle, screws, RM, CD/floppy combo included.	1

Production Spares and Accessories – Common 1U and 2U

Product Code	UPC	MM#	Description	Qty Per
AXXCDFLOPPY	7 3 5 8 5 8 1 4 7 4 6 0	836911	CDROM/FDD black module (black) for SR1300/SR2300 and other EPSD chassis.	1
AXXDVDFLOPPY	7 3 5 8 5 8 1 5 5 2 0 5	847523	DVD/Floppy black module for Intel Server Chassis SR1300/SR2300.	1
FXX2DRVCARBLK	7 3 5 8 5 8 1 4 6 2 1 0	835853	Hotswap drive carrier accessory. 1 inch, black.	10
AXX1U2URAIL	7 3 5 8 5 8 1 4 7 6 3 7	837071	Rail kit for SR1300/SR2300 and other EPSD chassis. Contains (1) set of left & right rail kit (1/2 bearing), (1) rail installation instruction sheet (1) packaging	1
FXXBRACKETS	7 3 5 8 5 8 1 4 7 6 2 0	837069	1U/2U rack brackets for SR1300/SR2300 and other EPSD chassis. Contains (1) Right Front/Mid brackets, (1) Left Front/Mid bracket, (1) Right Rear bracket, (1) Left rear bracket, appropriate screws/washers... (1) manual guide.	1
AXXRJ45DB9	7 3 5 8 5 8 1 5 5 2 1 2	847595	Serial cable kit for Intel Server Board SE7501WV2. Contains 1) serial cable for additional rear serial port in the Intel Server Chassis SR2300 and 2) serial cable converter dongle cables (RJ45 to DB9) for SE7501WV2.	1
FXXCDFCASEBLK		841200	CD/Floppy accessory - OEM sku. Includes tray and board without CD and Floppy. Device should be selected to meet the criteria of "CSEL to be high to be a master." This is same standard as for laptops, but is opposite of the desktop ATPI standard.	10
AXX2ICMBKIT		836017	Optional ICMB board. Used to daisy chain server management connections between EPSD chassis.	1
PWRCABLEUS		816324	North American power cord	1
N/A	N/A	N/A	Cable arm for Intel Server Chassis SR1300/SR2300. This is offered by a third party vendor. Company: Jonathan Address: 1101 South Acadia Ave. Fullerton, CA (714) 526-4651 SKU: MCR-1003	N/A

Production Spares and Accessories – 2U

Product Code	UPC	MM#	Description	Qty Per
AXX2PSMODL500	7 35858 15522 9	861010	Optional redundant 500W power supply module for Intel Server Chassis SR2300.	1
FSW2PSCAGE	7 35858 15523 6	853024	500W power supply cage + blank power supply spare. For Intel Server Chassis SR2300.	1
ASWTAPECABLE	7 35858 15524 3	847520	Tape Drive accessory. Contains (1) power connector from backplane to tape drive and (1) tape cable. For Intel Server Chassis SR2300.	10
ASWFAN	7 35858 15525 0	847057	Single fan upgrade to 4 fans for redundant cooling. For Intel Server Chassis SR2300.	1
ASWBEZBLACK	7 35858 15527 4	847519	Optional front black bezel for the Intel Server Chassis SR2300.	10
FSW480PSNR	7 35858 15534 2	853022	2U 480W spare power supply (non-redundant) for SR2300 non-redundant sku.	1
FSWCHASSISKT	7 35858 15529 8	854872	Chassis Spare Kit for the Intel Server Chassis SR2300. Includes: two RJ45 dongles, mouse/keyboard dongle, baffle/duct, fan bracket, fan distribution board, 3 fans, front panel cable, flex cable, SCSI cable, USB cable, retention mechanism, air dam, and screws.	1
FSWELECTKT	7 35858 15530 4	847309	Electronics spare kit for the SR2300. Includes: front Panel board and light pipe, two PCI riser cards, SCSI Backplane.	1
TRL5RISER02		853627	Description: 5v riser card accessory. For Intel Server Chassis SR2300. Has undergone basic testing (not full compatibility validation).	10
FSWMEMFAN	7 35858 16022 3	852787	Optional Memory Cooling Enhancement Fan Accessory. For use with SR2300 (Stayton-W).	1
TLPDCPSU002		853625	Single DC power supply module for the SR2300. Power supply cage also required (TLPDCCAGE02). Second module required for redundancy.	1
TLPDCCAGE02		853624	DC power supply cage for the SR2300. One or two power modules (TLPDCPSU002) also required.	1
FSW2URISERS	0 07358 5816483 2	857785	SE7501WV2 (Westville) - 2U riser OEM accessory. Contains 10 full height risers + brackets and 10 low profile risers + brackets. Note riser board is the same on the full height and low profile risers, but brackets are different.	20
AXXBRACKETS	00735858168618	863262	SR2300 - rack brackets. Set of brackets to hard mount chassis to rack. NOTE: this is a new SKU.	1

Production Spares and Accessories – 1U

Product Code	UPC	MM#	Description	Qty Per
ACWBEZBLACK	7 35858 15531 1	847518	Optional 1U Black Bezel for the Intel Server Chassis SR1300.	10
FCWELECTKT	7 35858 15532 8	847059	Electronics spare kit for Intel Server Chassis SR1300 Includes: front Panel board and light pipes, Power Jumper Board, two PCI risers.	1
FCWCHASSISKT	7 35858 15533 5	851910	Chassis spare kit for Intel Server Chassis SR1300. Includes: two RJ45 dongles, SCSI cable, USB cable, Flex cable, front panel cable, mouse/keyboard dongle, baffle and ducting, fan	1

			bracket with five fans, retention mechanism, air dam, and screws.	
FXX350W	7 3 5 8 5 8 1 5 5 3 5 9	853021 (effective early March, 2003)	Spare 350W Power Supply for Intel Server Chassis SR1300.	1
TRM5RISER02		850032	1U 5v riser card accessory. For Intel Server Chassis SR1300. Has undergone basic testing (not full compatibility testing).	10
FCWFAN	7 35858 15977 7	852503	Intel SR1300 spare fan pack for new higher performance fans. These fans were implemented in the SR1300 in Jan, 2003.	1
FCW1URISERS	0 07358 5816482 5	857782	SE7501WV2 (Westville) - 1U riser OEM accessory. Contains 10 full height risers + brackets and 10 low profile risers + brackets. Note riser board is the same on the full height and low profile risers, but brackets are different.	20
AXXBRACKETS	00735858168618	863262	SR1300 - rack brackets. Set of brackets to hard mount chassis to rack. NOTE: this is a new SKU.	1

Production OEM SKUs

This section contains information needed to order and configure a **production SE7501WV2 OEM board**.

- 1) The **production SE7501WV2 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	UPC	MM#	Description	Qty Per
BWV533ABB	7 35858 15954 8	862700	Intel Server Board SE7501WV2 - ATA OEM board - by request only	10
BWV533SBB	735858156813	867361	Intel Server Board SE7501WV2 SCSI OEM board – by request only	10

Intel RAID options for SE7501WV2

For latest list of supported controllers – please check support.intel.com

Product Code	MM #	UPC	Qty. Included	Description
BOXSRCU31LA	837928	00735858149358	5,1	INTEL RAID CONTROLLER SRCU31L . Single channel Ultra160, low-profile.
SRCU32U	845946	00735858154550	5,1	INTEL RAID CONTROLLER SRCU32. Dual channel, Ultra160, 32-256MB, Intel® IOP303 Processor @ 100 MHz (Zion), 64/66, Hot plug PCI.
SRCZCR	857211	00735858158916	5,1	INTEL RAID CONTROLLER SCRZCR - Modular ROMB solution. Turns two onboard SCSI channels into RAID. Supports Ultra320/Ultra160.
SRCMRU	845036	00735858153577	5,1	INTEL RAID CONTROLLER SRCMR - Modular ROMB solution. Turns two onboard SCSI channels into RAID. Supports Ultra160.
BOXSRCU31A (SE7500WV2 only)	837927	00735858149334	5,1	SRCU31 RAID option with new RAID software stack (v6x) and memory included promotion.
SRCU42L	847810	00735858157872	5, 1	Intel RAID controller SRCU42L. U320 – 1 internal, 1 external channel. 64 MB embedded memory. Intel® IOP303 Processor @ 100 MHz, 64/66.
SRCS14L (SE7501WV2)	850567	00735858159418	5, 1	Intel RAID Controller SRCS14L. Four port Serial-ATA RAID, Intel® IOP303 Processor @ 100 MHz, 64bit/66MHz PCI.