

Intel® Server System SC5400RA

Spares Parts List & Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel Server System SC5400RA.



Rev 1.11

December, 2006

~ Subject to Change ~

Change History:

| | | |
|----------|----------|--------------------------------------|
| 9/29/06 | Rev 1.0 | Production release |
| 11/13/06 | Rev 1.1 | ARIGHSFAN & 5300 Series Update |
| 12/5/06 | Rev 1.11 | Fixed AXXLCPPED in accessories table |

Disclaimer

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

*Other brands and names may be claimed as the property of others. Intel, Pentium, Itanium, and Xeon are trademarks or registered trademarks of Intel Corporation.

All products, dates, and figures are preliminary and are subject to change without any notice.

Copyright © Intel Corporation 2006.



Contents 3

Production SKU Details and Contents 4

 Configuration for the production SC5400RA system..... 4

 Production System SKUs..... 5

 Production Spares and Accessories 5

 Production RAID Products 8

Production SKU Details and Contents

Configuration for the production SC5400RA system

This section highlights the production configuration for the SC5400RA system.

- 1) The production Intel Server System SC5400RA includes:
 - 16-DIMM board installed in the SC5400BRP chassis with 16 DIMM cage.
 - Redundant (1+0) 830W PFC power supply with dual line cord support (full redundancy requires additional 830W module purchased separately)
 - Two non-redundant fans and ducting
 - Support for six tool free non hot-swap hard drives. Upgradeable to 6 hot-swap SAS or SATA.
 - Two tower heat sinks (Note: Both must be installed during operation and are not interchangeable with the Intel boxed processor heat sinks)
 - I/O shield
 - Cables (one each):
 - Front Panel Cable (baseboard header to front panel)
 - USB Cable (USB header to chassis front panel)
 - Pre-routed IDE cable
 - COM2 Cable
 - 6 SAS/SATA cables
 - Note: no AC power cords are included
 - Resource CD-ROM, with utilities, drivers, and documentation
 - 3rd party SW CD-ROM
 - Labels

Integration note: the SC5400RA is designed to work only with custom tower heat sinks included.

- 2) Common accessories include:
 - Hot Swap Drive Bays
 - **AXX6DRV3GEXP:** Expander-based 6-drive bay that supports SAS/SATA drives. Requires two free SAS ports from a SAS RAID controller card.
 - **AXX6DRV3G:** 6-drive bay that supports SAS/SATA drives. Requires six free SAS or SATA ports. SAS hard drive support requires SAS connectors from a SAS RAID controller card. Not supported with the SRC SAS144E RAID card.
 - **FXX830WPSU:** Additional 830W power supply module. Second module, purchased separately is required for full redundancy
 - **ARIGRACK:** Rack conversion kit
 - **AXXRAKSW5:** Intel® RAID Activation Key AXXRAKSW5 to enable Intel Embedded RAID technology for SAS and/or SATA Software RAID 5.
 - **ARIG2HSFANKIT:** Adds hot-swap, redundant cooling to SC5400RA system. *Note: Only compatible with Intel® Xeon® 5100 series and Intel® Xeon® 5300 processors with processor numbers: E5345, E5320, E5310. Will require a BIOS/Firmware upgrade available in December 2006.
- 3) Either the tray or boxed processors with active or passive heat-sinks can be used since the SC5400RA Server System is designed to work with only the heat-sinks included with the system. Order codes for both the active heat-sinks process are shown below.

| Processor Number | Active Heat-sink | Passive Heat-sink |
|--------------------------------|------------------|-------------------|
| X5355 (2.67 GHz, 1333 MHz FSB) | BX80563X5355A | BX80563X5355P |
| E5345 (2.33 GHz, 1333MHz FSB) | BX80563E5345A | BX80563E5345P |
| E5320 (1.86 GHz, 1066MHz FSB) | BX80563E5320A | BX80563E5320P |
| E5310 (1.6 GHz, 1066MHz FSB) | BX80563E5310A | BX80563E5310P |
| 5160 (3.00 GHz, 1333MHz FSB) | BX805565160A | BX805565160P |
| 5150 (2.667 GHz, 1333MHz FSB) | BX805565150A | BX805565150P |
| 5148 (2.333 GHz, 1333MHz FSB) | BX805565148A | BX805565148P |
| 5140 (2.33 GHz, 1333MHz FSB) | BX805565140A | BX805565140P |
| 5130 (2.00 GHz, 1333MHz FSB) | BX805565130A | BX805565130P |
| 5120 (1.688 GHz, 1066MHz FSB) | BX805565120A | BX805565120P |
| 5110 (1.6 GHz, 1066MHz FSB) | BX805565110A | BX805565110P |
| 5080 (3.73 GHz, 1066MHz FSB) | BX805555080A | BX805555080P |
| 5060 (3.20 GHz, 1066MHz FSB) | BX805555060A | BX805555060P |
| 5050 (3.00 GHz, 667MHz FSB) | BX805555050A | BX805555050P |
| 5030 (2.67 GHz, 667MHz FSB) | BX805555030A | BX805555030P |

Production System SKUs

| Product Code | MM # | UPC | Description |
|--------------|--------|----------------|---|
| SC5400RA | 877842 | 00735858180115 | SC5400RA: 16-DIMM Integrated SKU - Includes 16 DIMM board (G1), 16 DIMM chassis (SC5400BRP with memory riser support), I/O shield, 2ea. tower heat sinks, SATA cables, & 2 memory risers. No power cord included. |
| SC5400RANA | 880614 | 00735858180122 | Same as above with North American power cord. |

Production Spares and Accessories

| Product Code | MM # | UPC | Qty. Included | Description |
|--------------|--------|----------------|---------------|---|
| AXX6DRV3GEXP | 877235 | 00735858180283 | 1 | SC5400/SC5299 6-drive hot-swap, expander, SATA/SAS backplane assembly. Requires 2 SAS ports from ROMB card or RAID card and is compatible with SAS or SATA 3.5" hard drives. Includes: backplane board, 6 drive carriers, 2 Data cables, 6-drive bay, IPMB cable, common installation guide, SATA/SAS configuration label. |
| AXX6DRV3G | 877237 | 00735858180306 | 1 | SC5400 / SC5299-E 6-drive hot-swap, non-expanded, SATA/SAS supported backplane assembly. Requires 6 SAS ports from RAID card for SAS (or SATA) 3.5" hard drive support or 6 SATA ports from baseboard or RAID card for SATA 3.5" hard drive support. Includes: Backplane board, 6 drive carriers, 6 data cables, 6-drive bay, IPMB cable, SES |

| | | | | |
|---------------|--------|----------------|---|--|
| | | | | cable and SGPIO cable, common installation guide, SATA/SAS configuration label. Not supported with the SRCAS144E RAID card. |
| AXXRMM | 877421 | 00735858182393 | 1 | Intel Remote Management Module for SC5400RA. |
| FXX830WPSU | 877872 | 00735858180269 | 1 | SC5400RA, SC5400LX and SC5400BRP 830W Optional, redundant power supply module. |
| ARIG2HSFANKIT | 877868 | 00735858180191 | 1 | SC5400 hot swap fan upgrade kit- 2 pairs of each fan, hot swap fan cables (4ea), installation guide and label. Adds hot-swap, redundant cooling to SC5400BRP chassis. *Note: Only compatible with Intel® Xeon® 5100 series and Intel® Xeon® 5300 processors with processor numbers: E5345, E5320, E5310. Will require a BIOS/Firmware upgrade available in December 2006. |
| AXXLCPED | 879579 | 00735858167956 | 1 | Intel® Local Control Panel (LCD) for SC5400, SC5300 and SC5299 pedestal chassis. Fits in unused 5.25" peripheral bay. |
| ARIGRACK | 880511 | 00735858164603 | 1 | SC5400/SC5300 pedestal to rack conversion kit. Includes: hinge cover; rack handles, intrusion switch jumper, new rail kit assembly, rack hardware kit, icon label, installation guide |
| ARIGRACKCVR | 880720 | 00735858168496 | 1 | SC5400/SC5300 optional unpainted removable side (top) cover. Can be used in rack conversion mode if unpainted top cover is desired. |
| AXXCMA3U7U | 862119 | 00735858168533 | 1 | Universal 3U though 7U Rack Mode Cable Management Arm (CMA). Requires ARIGRACK. |
| AXXCDUSBFDBRK | 879232 | 00735858180627 | 1 | SC5400 and SC5299 family: 5.25" slim-line CD/DVD/Floppy bracket, hardware kit, interface board, installation guide. Permits installation of a slim-line floppy (via USB) and slim-line optical drive in one 5.25" peripheral bay. (Slim-line optical and floppy drives not included) |
| AXXSCD | 880561 | 00735858169271 | 1 | Slim line CD for use with SC5400 adapter AXXCDUSBFDBRK. |
| AXXUSBFLOPPY | 881267 | 00735858183260 | 1 | Internal slim-line floppy kit for SR2500 or SR1500. The slim-line USB floppy drive in this kit can be used with AXXCDUSBFDBRK and a slim-line optical device. |
| AXXDVDCDR | 880559 | 00735858164962 | 1 | DVD/CDR slim line drive for SC5300. Supports DVD/CD and CD write. Works with SC5400 adapter AXXCDUSBFDBRK. |
| ARIG2PMKIT | 878328 | 00735858180207 | 1 | SC5400 chassis preventive maintenance kit. Includes; front panel board, front panel cable, serial cable, USB cable, (1) 92mm hot-swap fan and plastic housing, (1) 120mm hot-swap fan and plastic housing, 4ea HS fan wires, (1) fixed 92 |

| | | | | |
|-----------------|--------|----------------|----|--|
| | | | | mm fan, (1) fixed 120mm fan, bezel intrusion switch, power supply filler panel, 2 sets (4) 5.25" tool-less bay rails, 2 sets (4) of fixed hard drive bay rails, and (1) IDE cable and (1) . |
| FXXRIGPKG | 879286 | 00735858180610 | 1 | Packaging spare for SC5400 chassis family. |
| ASLIO | 877948 | 00735858180733 | 50 | 50 Pack: I/O Shield for S5000PSLSATA, S5000 PLSAS, S5000XSLROMB, SC5400RA, S5000XVNSATA, S5000XVNSAS, BB5000XVNSATA, BB5000XVNSAS, BB5000PSLSATA, BB5000XLSATA, BB5000PSLSAS and BB5000XSLROMB. (MOQ = 50) |
| FRIG2PDB | 877879 | 00735858180214 | 1 | SC5400RA/SC5400BRP/SC5400LX Power Distribution board, power supply cage, power supply filler panel. |
| FRIG2FIXFANS | 877885 | 00735858180245 | 1 | SC5400 family fixed fan spare kit. Includes one 92mm and one 120mm standalone fans (fixed fans for SC5400BASE and SC5400BRP) |
| FXXIPMBCBL | 878135 | 00735858180085 | 10 | Pack of 10 spare IPMB cables. |
| FXXSESCBL | 877945 | 00735858180092 | 10 | Pack of 10 spare SES cables used for the S5000PSL ROMB solution. |
| FXXSGPIOCBL | 877944 | 00735858180108 | 10 | Spare SGPIO cable used for ESB2 RAID to backplane communications. |
| FXX6DRV3GBRD | 879634 | 00735858180924 | 1 | Spare board for AXX6DRV3G (6 drive backplane without an expander). |
| FXX6DRV3GEXPBRD | 879632 | 00735858180948 | 1 | Spare board for AXX6DRV3GEXP (6 drive backplane with an expander). |
| AXXFHDDBRK | 868171 | 00735858172462 | 1 | SC5400/SC5300 (Base, BRP or LX) accessory bracket for hard drive. |
| ARIGDLTRAIL | 856600 | 00735858164610 | 1 | SC5400/SC5300 DLT Accessory Kit -- left and right rails (10 Pack) Permits mounting a full height 5.25" peripheral (e.g. DLT tape drive) in two half height bays. |
| ARIGBEZPNL | 860750 | 00735858168489 | 10 | SC5400/SC5300 bezel branding panels- (1) upper and (1) lower bezel customization panel (10 sets) |
| FXX10DVCARBLK | 880265 | 00735858181938 | 10 | Hot swap drive carrier spare with black baffle. MOQ = 10 |
| FPWRCABLENA | 879287 | 00735858180740 | 1 | North America Power cable for SC5400 family of chassis. Note: This power cable is NOT the same cable as SC5300 or SC5295/5299 chassis families. |

| | | | | |
|-------------|--------|----------------|---|--|
| FRAMEMRISER | 886618 | 00735858190084 | 1 | Spare Memory Riser Board for SC5400RA system |
| FRACAGE | 886063 | 00735858189842 | 1 | Memory Cage and ducting for SC5400RA system only. |
| FRABBOARD | 886616 | 00735858190091 | 1 | Spare baseboard for SC5400RA system |
| FRAHEATSINK | 886062 | 00735858189859 | 1 | Spare heat-sink for SC5400RA system. |
| FRIG2HSFANS | 877882 | 00735858180238 | 1 | SC5400LX hot swap fan spare kit. Includes one 92mm and one 120mm hot swap fan. |

Production RAID Products

| Product Code | MM # | UPC | MOQ | Description |
|--------------|--------|----------------|-----|--|
| SRCSAS18E | 879066 | 00735858178143 | 5 | Intel® RAID Controller SRCSAS18E - PCIe x8, 8P SAS RAID Controller - Intel® 80333 IOP @ 500 MHz, 256MB DDR2 ECC DIMM |
| SRCSAS144E | 883470 | 00735858182621 | 5 | Intel® RAID controller SRCSAS144E - PCIe x4, 8P (4 int/4 ext) SAS RAID Controller - Intel® 80333 IOP @ 500 MHz, 128MB embedded memory. RoHS Compliant |
| AXXRAKSW5 | 878958 | 00735858181860 | 5 | Intel® RAID Activation Key AXXRAKSW5 to enable SAS and/or SATA Software RAID 5 on S5000PSL, S5000XSL, S5000XVN and S5000VSA board families and SC5400RA Server System. |
| AXXRPCM2 | 879067 | 00735858178150 | 5 | Intel® Portable Cache Module AXXRPCM2 for use with SRCSAS18E - Combines 256MB memory DIMM and battery; up to 72 hours retention |
| AXXRSBBU3 | 883471 | 00735858181853 | 5 | Intelligent Battery Backup module for use with the Intel® RAID controller SRCSAS144E. Provides up to 72 hours of cache memory retention. |

MOQ = Minimum Order Quantity.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А