

**Intel® Server Board S2400GP**

**Intel® Server Chassis P4000**

# **Spares/Accessories List and Configuration Guide**

A reference guide to assist customers in ordering the necessary components to configure the Intel® Server family S2400GP.



Revision 1.3

Oct 2012

Enterprise Platforms and Services Marketing



## ***Revision History***

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# 1. System Product Order Codes

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## 1.1 Product Descriptions – Overview

Product based on the Intel® Server Board S2400GP will be offered as both standard box board, OEM 10-pack board and system.






## 1.2 Available Board SKUs for S2400GP family





Image	Product Code MM UPC EAN MOQ	Description
	<p>DBS2400GP2 919845 00735858244862 5032037039437 5</p>	<p>Intel® production Server Board DBS2400GP2 (Granite Pass Dual NIC SKU 5 board pack)</p> <ul style="list-style-type: none"> <li>- 12" (W) x 13" (L)</li> <li>- 12 LR/U/R-DIMMs of DDR3/DDR3L</li> <li>- Up to 8 SAS ports (with -D/-T key) and 6 SATA ports</li> <li>- Dual GbE</li> <li>- Integrated BMC with remote management</li> <li>- Compatible with Intel® Xeon® processor E5-2400 series.</li> <li>- I/O shield</li> <li>- 2 SATA cables</li> <li>- Intel® Multi-Server Manager Software</li> <li>- Quick Start Guide</li> </ul>
	<p>DBS2400GP4 919848 00735858244879 5032037039444 5</p>	<p>Intel® production Server Board DBS2400GP4 (Granite Pass Quad NIC SKU 5 board pack)</p> <ul style="list-style-type: none"> <li>- 12" (W) x 13" (L)</li> <li>- 12 LR/U/R-DIMMs of DDR3/DDR3L</li> <li>- Up to 8 SAS ports (with -D/-T key) and 6 SATA ports</li> <li>- Quad GbE</li> <li>- Integrated BMC with remote management</li> <li>- Compatible with Intel® Xeon® processor E5-2400 series.</li> <li>- I/O shield</li> <li>- 2 SATA cables</li> <li>- Intel® Multi-Server Manager Software</li> <li>- Quick Start Guide</li> </ul>





## 1.3 P4000M Chassis SKUs

- Please be noted the production P4000 chassis doesn't include any airduct or heatsink. You need to order airduct and heatsink separately. The airduct and heatsink info can be found in accessory list below.





Image	Product Code MM UPC EAN MOQ	Description
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	<p>P4208XXMHGC 916310 00735858235723 5032037030472 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot-Swap HDDs, 750W Cold-Redundant Power Supplies and Redundant Cooling</p> <p>Includes: 8x 2.5" Hot-Swap Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 5x 80mm hot-swap fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4208XXMHGR 916312 00735858235747 5032037030496 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot-Swap HDDs, 750W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 2.5" Hot-Swap Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMHGC 916320 00735858235693 5032037030441 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, 750W Cold-Redundant Power Supplies and Redundant Cooling</p> <p>Includes: 8x 3.5" Hot-Swap Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 5x 80mm hot-swap fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMFGN 916330 00735858235679 5032037030427 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Fixed HDDs, 1x 750W Redundant-capable Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Fixed Drive Carriers, 750W Redundant-capable Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMHEN 916335 00735858235655 5032037030403 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, 1x 550W Fixed Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Hot-Swap Drive Carriers, 550W Fixed Power Supply (Silver Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>

	<p>P4308XXMFEN 916337 00735858235631 5032037030380 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Fixed HDDs, 1x 550W Fixed Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Fixed Drive Carriers, 550W Fixed Power Supply (Silver Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4208XXMHDR 916313 00735858235754 5032037030502 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot Swap HDDs, 460W Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8 x 2.5" Hot Swap Drive Carriers, , 460W Redundant Power Supplies (Gold Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4208XXMHEN 916315 00735858235778 5032037030526 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot Swap HDDs, 550W Fixed Power Supply and non-Redundant Cooling</p> <p>Includes: 8 x 2.5" Hot Swap Drive Carriers, 550W Fixed non-redundant Power Supply (Silver Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4216XXMHJC 916974 00735858235792 5032037030540 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot-Swap HDDs, 1200W Cold-Redundant Power Supplies and Redundant Cooling</p> <p>Includes: 16 x 2.5" Hot-Swap Drive Carriers, 2x 1200W Common Redundant Power Supply (Platinum Efficiency), 5x 80mm hot-swap fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>

	<p>P4308XXMHJC 916316 00735858235815 5032037030564 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, 1200W Cold-Redundant Power Supplies and Redundant Cooling</p> <p>Includes: 8 x 3.5" Hot-Swap Drive Carriers, 2x 1200W Common Redundant Power Supply (Platinum Efficiency), 5x 80mm hot-swap fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4216XXMHGC 916309 00735858244558 5032037039123 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot-Swap HDDs, 750W Cold-Redundant Power Supplies and Redundant Cooling</p> <p>Includes: 16 x 2.5" Hot-Swap Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 5x 80mm hot-swap fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4216XXMHGR 916311 00735858244565 5032037039130 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot-Swap HDDs, 750W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 16x 2.5" Hot-Swap Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4216XXMHEN 916314 00735858244572 5032037039147 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 2.5" Hot Swap HDDs, 550W Fixed Power Supply and non-Redundant Cooling</p> <p>Includes: 16 x 2.5" Hot Swap Drive Carriers, 550W Fixed non-redundant Power Supply (Silver Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>




	<p>P4308XXMHGR 916327 00735858244589 5032037039154 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, 750W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Hot-Swap Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMHGN 916328 00735858244596 5032037039161 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, single 750W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Hot-Swap Drive Carriers, 1x 750W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMFGR 916329 00735858244602 5032037039178 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Fixed HDDs, 750W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Fixed Drive Carriers, 2x 750W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMHDR 916331 00735858244619 5032037039185 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, 460W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Hot-Swap Drive Carriers, 2x 460W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>

	<p>P4308XXMHDN 916332 00735858244626 5032037039192 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, single 460W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Hot-Swap Drive Carriers, 1x 460W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMFDR 916333 00735858244633 5032037039208 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Fixed HDDs, 460W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Fixed Drive Carriers, 2x 460W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4308XXMFDN 916334 00735858244640 5032037039215 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Fixed HDDs, single 460W Cold-Redundant Power Supplies and non-Redundant Cooling</p> <p>Includes: 8x 3.5" Fixed Drive Carriers, 1x 460W Common Redundant Power Supply (Platinum Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>
	<p>P4304XXMHEN 916336 00735858244657 5032037039222 1</p>	<p>A general purpose pedestal chassis targeted at small to medium business supporting CEB and EEB form factor server boards with 3.5" Hot-Swap HDDs, 1x 550W Fixed Power Supplies and non-Redundant Cooling</p> <p>Includes: 4x 3.5" Hot-Swap Drive Carriers, 550W Fixed Power Supply (Silver Efficiency), 2x 120mm fixed fans</p> <p>Note: This chassis is compatible with multiple server board skus. As such the specific airduct for that server board needs to be ordered seperately.</p>

## 2. Spares and Accessories Order Codes

### 2.1 S2400GP Dedicated spare and accessories

Image	Product Code MM UPC EAN MOQ	Description
	BXSTS100C 900491 00735858205153 5032037009119 1	Box processor standard heat sink
	AXXCA90X902UHS 919883 00735858242875 5032037037570 2	Passive Cu-Al heatsink optimized for S2400SC, S2400GP, S1400FP in P4000 chassis
 <p>with</p>	FGPUPMAD 915633 00735858236089 5032037030847 1	Air duct and unique cable kit for Intel® Server Board S2400GP to be used Intel® Server Chassis P4000M  Included cables: SATA Cable; MiniSAS to SATA Cable; SGPIO Cable; MiniSAS to MiniSAS Cable.  Note: Common cables are included in P4000M chassis package
	AXX2IOS 919757 735858239264 5032037034036 50	IO shield for the Intel Server Board S2600CP2, S2400GP2, and S2400SC2
	AXX4IOS 919758 00735858238939 5032037033718 50	IO shield for the Intel Server Board S2600CP4, S2600IP4, and S2400GP4







### 2.2 General Spares and Accessories

Image  (For illustration only, not to scale.)	Product Code MM UPC EAN MOQ	Description
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	FXX460GCRPS 915603 735858235846 5032037030595 1	460W Common Redundant Power Supply (CRPS) 80Plus Gold efficiency power supply accessory.
	FUP550SNRPS 915602 735858235839 5032037030588 1	550W Fixed 80Plus Silver efficiency power supply spare.
	FXX750PCRPS 915604 00735858234979 5032037030601 1	750W Common Redundant Power Supply (CRPS) spare 80Plus Platinum efficiency.
	FXX1200PCRPS 915605 735858225137 5032037035071 1	1200W Common Redundant Power Supply spare 80Plus Platinum efficiency.
Image not yet available	FUPNRPSADP 912769 735858219471 5032037016278 1	P4000 Non-Redundant Power Supply adaptor kit Includes; bracket, screws, locker
	FUPCRPSCAGE 915607 00735858235891 5032037030656 1	Common Pedestal CRPS PSU cage assembly (cage, adaptor bracket, screws, supporting bulkhead, 1x blank filler)
	FUPPDBLC 916812 735858238731 5032037033510 1	Power Distribution Board Spare (Low Current) for P4000 server chassis. Recommend to use with FXX460GCRPS or FXX750PCRPS power supplies.
	FUPPDBHC 916813 735858238748 5032037033527 1	Power Distribution Board Spare (High Current) for P4000 server chassis. Recommend to use with FXX750PCRPS, FXX1200PCRPS, or FXX1600PCRPS power supplies.
	FUPMLHSFAN 915620 00735858235969 5032037030724 1	80mm system fan kit for P4000M/P4000L server chassis includes fan, fan holder, for use in redundant cooling configuration
	FUPNHFANCPU 919572 00735858236034 5032037030793 1	Fixed Fan Spare Kit for P4000M (24") for CPU area fan. Includes: (1) 120mm fixed fan

	<p>FUPMNHFANPCI 919575 735858236041 5032037030809 1</p>	<p>Fixed Fan spare kit for P4000M (24") for PCI area fan. Includes: (1) 120mm fixed fan</p>
	<p>AXXELVRAIL 920970 00735858244367 5032037038980 1</p>	<p>Value Rail Kit, half extension, extended inner slide member  Works for 438mm wide Intel 2U/4U Rack Chassis and System families (H2000, R2000LH/R2000LT Swan Peak 2U, P4000M/P4000L/P4000L-WS)</p>
	<p>AXX3U5UPRAIL 915634 00735858236119 5032037030892 1</p>	<p>Advanced rail kit for P4000 Server Chassis used when converting Pedestal chassis to 4U rack chassis, and full extension rails are needed.  Includes: (2) rails</p>
	<p>AXX3U5UCMA 915635 00735858236126 5032037030908 1</p>	<p>Rack Cable Management for use with Advanced Rail Kit AXX3U5UPRAIL for Intel® Server Chassis P4000 Family.</p>
	<p>FUPBEZELFIX 911886 00735858219457 5032037016254 1</p>	<p>Bezel spare for P4000 server chassis with fixed drives (no door)</p>
	<p>FUPBEZELHSD 911896 00735858219464 5032037016261 1</p>	<p>Bezel spare for P4000 server chassis with Hot Swap HDDs (w/door for HS bays) Fits P4304, P4308, P4208, and P4216 with HS drive bays installed.</p>
	<p>AUPBEZEL4UF 915636 00735858235976 5032037030731 1</p>	<p>Rack bezel kit for converting P4000 pedestal server chassis to rack chassis  Includes: (1) bezel frame; (2) rack handles</p>
	<p>AUPBEZEL4UD 915637 00735858235983 5032037030748 1</p>	<p>Rack bezel accessory for P4000 chassis in rack configuration - security door only</p>



	FXXFPANEL 915982 00735858222419 5032037018968 1	Front Panel board spare for P4000 server chassis
	A4ULCP 921029 00735858244695 5032037039260 1	LCP Module (local control panel) Enables system to display critical errors from SEL for instant diagnostic. Also allows custom message for branding.  Available in Q2 2012
Image not yet available	AXX2IOS 919757 735858239264 5032037034036 50	I/O Shield spare/accessory for Intel® Server Board S2600CP2
	AXX4IOS 919758 735858238939 5032037033718 50	I/O Shield spare/accessory for Intel® Server Board S2600CP4
	AUPMGPUBR 920613 00735858244428 5032037039048 1	Bracket for securing full length GPU cards to fan bulkhead, for use in P4000M, includes 1 bracket, 2 GPGPU power cables, and 5 screws for GPGPU fixture.
Image not yet available	FUPMMSK 915638 735858235990 5032037030755 1	Chassis Maintenance kit for UPM – (Mechanical Spares Kit)  Including EMI cover, ODD rail, PCI card retainer {4x 3.5" EMI cover, 8x 3.5" EMI cover, ODD rail x4, #6-32 screw x20, M3x12 USB cable screw x2, M2x10 Intrusion cable
	FUPMESK 915653 735858236003 5032037030762 1	Chassis Maintenance kit for UPM – (Electric Spares Kit)  Including power cable extension, 1x4 -> 2x2 power adaptor cable accessory (for 2.5" HDD connector)
	FPWRCABLENA 879287 00735858181129 1	North American Power Cord Spare

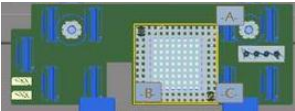
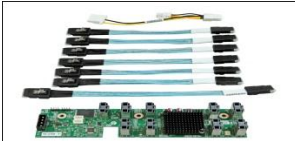

## 2.3 Drive/storage subsystem spares and accessories

Image  For illustration only, not to scale.	Product Code MM UPC EAN MOQ	Description
	FUP8X35HSBP 916353 735858222792 5032037033480 1	Spare 8x3.5" Hot Swap Backplane for use with P4000 server chassis  Includes: (1) 8x3.5" backplane board










	FXX8X25HSBP 917973 735858240987 5032037035736 1	8x2.5" hot swap HSBP spare (for R2200, and P4200 Chassis families)
	FXX8X25DPBP 917974 735858240994 5032037035743 1	Spare 8x2.5" Dual Port Hot Swap Backplane for use with P4200 chassis.
	FUP4X35HSDK 911885 00735858219440 5032037016230 1	3.5" Hot Swap Drive Kit for P4000 server chassis  Includes: Drive Cage, Hot Swap Back Plane, 4 Hot Swap Drive carriers, data cables, I2C cable, and ID filler
	FUP8X35HSDK 915608 00735858235907 5032037030663 1	8x3.5" Hot Swap Drive Cage Kit for P4000 server chassis  Includes: Drive Cage, Hot Swap Back Plane, 8 Hot Swap Drive Carriers, data cables, I2C cable, and ID filler panel
	FUP8X25HSDKS 915819 00735858235914 5032037030670 1	8x2.5 Hot Swap Drive Cage Kit for P4000 server chassis  Includes: Drive cage, Hot Swap Back Plane, 8 Hot Swap Drive carriers, data cables, I2C cable, ID filler panels, and power adaptor cable accessory
	FXX35HSADPB 912771 00735858219495 5032037016391 8	3.5" HDD Hot Swap Drive Carrier spares for P4300 chassis families
	FXX25HSCAR 918807 00735858241182 5032037035910 1	2.5" HDD Hot Swap Drive Carrier spares for P4200 chassis families
	FUP4X35NHDK 912770 00735858219488 5032037016247 4	Fixed Drive Carrier spare for P4300 server chassis (compatible with 2.5" HDDs/SSDs)
	RKSATA4R5 916346 735858238861 5032037033640 5	Patsburg-A SATA SW LSI RAID 5 Key, Black
	RKSATA8 916347 735858238878 5032037033657	8port SATA Key, Blue




	5	
	RKSATA8R5 916348 735858238885 5032037033664 5	8port SATA with LSI SW RAID 5 Key, White
	RKSAS4 916349 735858238892 5032037033671 5	4port SAS Key, Green
	RKSAS4R5 916350 735858238908 5032037033688 5	4port SAS with LSI SW RAID 5 Key, Yellow
	RKSAS8 916351 735858238922 5032037033701 5	8port SAS Key, Orange
	RKSAS8R5 916352 735858238915 5032037033695 5	8port SAS with LSI SW RAID 5 Key, Purple

## 2.4 Expansion modules: Risers, SAS Module, RMM4, TPM

Image For illustration only, not to scale.	Product Code MM UPC EAN MOQ	Description
	RES2CV240 918934 735858241175 5032037035903 1	Integrated 24-port 6G SAS expander, compatible with R2200 family and P4000M/P4000L of chassis (only supported in 2.5" drive 2U or 4U chassis) Includes 3 screws and bumpers, 4 cables and power cable.
	RES2CV360 918935 735858241168 5032037035897 1	Integrated 36-port 6G SAS expander, compatible with R2200 family and P4000M/P4000L family of chassis (only supported in 2.5" drive 2U or 4U chassis) Includes 3 screws and bumpers, 6 Mini-SAS cables and power cable.
	AXXRMM4LITE 911660 00735858219297 5032037014946 1	Intel® Remote Management Module RMM4LITE - Activation key for advanced management features including remote KVM.



	<p>AXXRMM4 911670 00735858219303 5032037014922 1</p>	<p>Intel® Remote Management Module RMM4 – Activation key for advanced management features including remote KVM <u>plus</u> Dedicated NIC Module.</p>
	<p>AXXTPME5 919737 735858240352 5032037035088 1</p>	<p>Trusted Platform Module for server systems</p>
	<p>RMS25CB080 917084 735858238977 5032037033756 5</p>	<p>SAS Module: 8 Port SAS-2.1 version, Full HW RAID, 1GB onboard cash memory. Supports RAID levels 0,1,5,6 and spans. Supports Battery Backup Unit. Mezzanine card form factor – does not occupy PCIe slot</p>
	<p>RMS25CB040 917085 735858238984 5032037033763 5</p>	<p>SAS Module: 4 Port SAS-2.1 version, Full HW RAID, 1GB onboard cash memory. Supports RAID levels 0,1,5,6 and spans. Supports Battery Backup Unit. Mezzanine card form factor – does not occupy PCIe slot</p>
	<p>RMS25KB080 917089 735858239028 5032037033800 5</p>	<p>SAS Module: 8 Port SAS-2.1 version, Entry-level HW RAID/straight SAS PCIe form factor</p>
	<p>RMS25KB040 917090 735858239035 5032037033817 5</p>	<p>SAS Module: 4 Port SAS-2.1 version, Entry-level HW RAID/straight SAS PCIe form factor</p>
	<p>RMT3CB080 917086 735858238991 5032037033770 5</p>	<p>SATA Module: 8P SATA-3 version, Full HW RAID, 512MB integrated cash memory. Supports RAID levels 0,1,5,6 and spans. Supports Battery Backup Mezzanine card form factor – does not occupy PCIe slot</p>
	<p>RMS25PB080 917056 735858238946 5032037033725 5</p>	<p>Intel® Integrated RAID Module RMS25PB080, PCIe Slot, LSI2208 ROC, 8P Internal SAS/SATA, LSI MegaRAID-based Firmware, 1GB DDR3, RAID 0,1,10,5,50,6,60  Requires PCIe8 slot</p>
	<p>RMS25PB040 917078 735858238953 5032037033732 5</p>	<p>Intel® Integrated RAID Module RMS25PB040, PCIe Slot, LSI2208 ROC, 4P Internal SAS/SATA, LSI MegaRAID-based Firmware, 1GB DDR3, RAID 0,1,10,5,50,6,60  Requires PCIe8 slot</p>

	RMS25JB080 917087 735858239004 5032037033787 5	Mezzanine SAS IO module: 8 Port SAS-2.1 version, Entry-level HW RAID/straight SAS
	RMS25JB040 917088 735858239011 5032037033794 5	Mezzanine SAS IO module: 4 Port SAS-2.1 version, Entry-level HW RAID/straight SAS
	RMT3PB080 917079 735858238960 5032037033749 5	Intel® Integrated RAID Module RMT3PB080, PCIe Slot, LSI2208 ROC, 8P Internal SATA (only), LSI MegaRAID-based Firmware, 512MB DDR3, Restricted to use only SATA drives, R0,1,10,5,50,6,60  Requires PClex8 slot
Image not yet available	AXXRMFBU2 919876 735858244541 5032037039116 5	Intel® RAID Maintenance Free Backup Unit
Image not yet available	AXXRSBBU9 914238 735858220286 5032037039567 5	Intel® RAID Smart Battery AXXRSBBU9 provides optional battery backup for mainstream RS25 family RAID products.

## 2.5 Compatible Riser Options

The risers below are compatible with Intel® Server Board S2400GP2 and S2400GP4 when used in PCIe slot 6 and in 3<sup>rd</sup> party rack chassis. Users may need to develop mounting mechanics to fit their own chassis.

Image	Product Code MM UPC	Description
Image not yet available	AXX1UPCIEX16 919808 00735858244534 5032037039109 1	1U PCIe x16 riser, 1slot, x16 electrical/x16 mechanical  Available in early Q2'2012

## 2.6 On-site repair and extended warranty

Image	Product Code MM UPC	Description
	SVCORDPSY 916902 1	Intel® On-site repair for two processor Intel® Server Systems.
	SVCEWDPSY 911295 1	Two year extended warranty for Intel® Server Systems or Intel® Server Knock Down Kits + Intel® Server Boards that support two processors. Intel® RAID controller extended warranty is purchased separately.
	SVCEWDPBD 911294 1	Two year extended warranty for Intel® Server Boards that support two processors.

## 2.7 VMware vSphere\* and vCenter\* Server SKUs

Each VMware vSphere SKU contains a paper certificate with a software product activation code. As directed on the certificate, the end user must register the product activation code with VMware at <http://www.vmware.com/code/intel> to access VMware Software, Support and Subscription Services.

VMware vSphere\* and vCenter\* Server Editions

All VMware vSphere SKUs (except Essentials) are bundled with either 1 year VMware Basic (12x5) or with 1 year VMware Production (24x7) Support and Subscription. The Essentials SKU is bundled with 1 year VMware Subscription.

<b>Essentials</b>	VMware vSphere 5 Essentials Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Subscription.
<b>Essentials Plus</b>	VMware vSphere 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
<b>Standard</b>	VMware vSphere 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
<b>Enterprise</b>	VMware vSphere 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription

<b>Enterprise Plus</b>	VMware vSphere 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per processor)  with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription
<b>VMware vCenter* Server Standard for vSphere 5</b>	VMware vCenter Server 5 Standard for vSphere 5 (Per Instance) One instance of vCenter Server is required to centrally manage virtual machines and their hosts and to enable all VMware vSphere features on Standard, Enterprise and Enterprise Plus editions.  with 1 year VMware Basic (12x5) Support and Subscription with 1 year VMware Production (24x7) Support and Subscription

**VMware vSphere\* and VMware vCenter\* – Order Codes:**

<b>Product Code</b>	<b>UPC</b>	<b>MM</b>	<b>Description</b>	<b>Minimum Order Quantity</b>
VMW5ESS	7 35858 22474 1	918769	Paper certificate containing software license activation code for VMware vSphere 5 Essentials Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Subscription.	1
VMW5ESSPLUS	7 35858 22475 8	918774	Paper certificate containing software license activation code VMware vSphere 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5ESSPLUSP	7 35858 22476 5	918768	Paper certificate containing software license activation code for VMware vSphere 5 Essentials Plus Bundle for 3 hosts (Max 2 processors per host) and 192 GB vRAM entitlement with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5STD	7 35858 22477 2	918773	Paper certificate containing software license activation code for VMware vSphere 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5STDP	7 35858 22478 9	918767	Paper certificate containing software license activation code for VMware vSphere 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5ENT	7 35858 22479 6	918772	Paper certificate containing software license activation code for VMware vSphere 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor) with 1 year VMware Basic	1

			(12x5) Support and Subscription.	
VMW5ENTP	7 35858 22484 0	918770	Paper certificate containing software license activation code for VMware vSphere 5 Enterprise for 1 processor (with 64 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5ENTPLUS	7 35858 22480 2	918771	Paper certificate containing software license activation code for VMware vSphere 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per processor) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5ENTPLUSP	7 35858 22481 9	918760	Paper certificate containing software license activation code for VMware vSphere 5 Enterprise Plus for 1 processor (with 96 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	1
VMW5VCSTD	7 35858 22482 6	918742	Paper certificate containing software license activation code for VMware vCenter Server 5 Standard for vSphere 5 (Per Instance) with 1 year VMware Basic (12x5) Support and Subscription.	1
VMW5VCSTDP	7 35858 22483 3	918759	Paper certificate containing software license activation code for VMware vCenter Server 5 Standard for vSphere 5 (Per Instance) with 1 year VMware Production (24x7) Support and Subscription.	1

## 2.8 Symantec Backup Exec 2010 SKUs

Each SKU contains a paper certificate with a Voucher key code. As directed on the certificate under “Frequently Asked Questions”, the end user must go to the Symantec licensing portal at <http://licensing.Symantec.com> to redeem their Voucher key. A Sales Order Number is also on the certificate and required for redemption. Please follow all the steps to obtain serial numbers and register for support.

### Symantec Backup Exec 2010 Suites

All SKUs are bundled with 1 year Symantec Essentials (24x7) support.

<b>Symantec Backup Exec 2010</b>	Provides an all-in-one solution for small offices to consolidate and manage many application workloads while reducing hardware and operating costs with a low up-front investment. <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> </ul>
<b>Symantec Backup Exec 2010 for Windows Small Business Server</b>	The perfect data protection solution for Microsoft* Windows Small Business Server Standard and Premium editions. This robust solution provides integrated deduplication, granular restore features, open file protection, disaster recovery and backup protection for Microsoft Exchange, SharePoint Services, SQL and Windows workstations.

	<ul style="list-style-type: none"> <li>• One Backup Exec for Windows Small Business Server (per server)</li> <li>• One Agent for Microsoft Exchange server</li> <li>• One Agent for Microsoft SQL Server</li> <li>• One Agent for Microsoft Exchange Server</li> <li>• One Agent for Microsoft Sharepoint Server</li> <li>• Desktop/laptop option (up to 75)</li> <li>• System Recovery for one Windows server</li> <li>• System Recovery for one Windows Small Business server</li> </ul>
<b>Symantec Backup Exec 2010 Microsoft Exchange Suite</b>	<p>Provides complete protection for your business-critical email server running Microsoft Exchange.</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• One Agent for Microsoft* Exchange Server (per server)</li> </ul>
<b>Symantec Backup Exec 2010 Microsoft SQL Suite</b>	<p>Provides complete protection for a business-critical transactional server running Microsoft SQL</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• One Agent for Microsoft* SQL Server (per server)</li> </ul>
<b>Symantec Backup Exec 2010 Multi-Server Suite</b>	<p>Provides a Remote Agent, Continuous Protection Agent capabilities, and also includes the Advanced Open File Option and Intelligent Disaster Recovery Option.</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• Three Agents for Microsoft* Windows Systems (per server)</li> </ul>
<b>Symantec Backup Exec 2010 VMware Infrastructure Suite</b>	<p>Backup for an unlimited number of guests running on VMware* virtualization environments on one physical server.</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• One Agent for VMware Virtual Infrastructure* (per server)</li> </ul>
<b>Symantec Backup Exec 2010 Microsoft Hyper-V Suite</b>	<p>Backup for an unlimited number of guests running on Microsoft Hyper-V* on one physical server.</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• One Agent for Microsoft Hyper-V (per server)</li> </ul>
<b>Symantec Backup Exec 2010 Multi-Server DeDuplication Suite</b>	<p>Backup for four Windows Servers, including deduplication option</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• Three Agents for Microsoft Windows Systems (per server)</li> <li>• One Option for Deduplication (per server)</li> </ul>
<b>Symantec Backup Exec 2010 Exchange DeDuplication and Archiving Suite</b>	<p>Backup for one Windows Server with Microsoft Exchange, including deduplication and archiving options:</p> <ul style="list-style-type: none"> <li>• One Backup Exec Server (per server)</li> <li>• One Agent for Microsoft Exchange Server (per server)</li> <li>• One Option for Deduplication (per server)</li> <li>• One Option for Microsoft Exchange Mailbox Archiving (up to 10 mailboxes)</li> </ul>

## Symantec System Recovery 2011 Editions

All SKUs are bundled with 1 year Symantec Essentials (24x7) support.

<b>Symantec System Recovery 2011 Server Edition</b>	<ul style="list-style-type: none"> <li>• Includes 1 license for Symantec System Recovery 2011 Server Edition</li> <li>• Includes 1 license for Symantec System Recovery 2011 Desktop Edition</li> <li>• Includes 1 license for Granular Restore Option</li> </ul>
<b>Symantec System Recovery 2011 Small Business Server Edition</b>	<ul style="list-style-type: none"> <li>• Includes 1 license for Symantec System Recovery 2011 SBS Server Edition</li> <li>• Includes 1 license for Granular Restore Option</li> </ul>
<b>Symantec System Recovery 2011 Desktop Edition</b>	<ul style="list-style-type: none"> <li>• Includes 1 license for Symantec System Recovery 2011 Desktop Edition</li> </ul>

**Symantec Backup Exec 2010 and System Recovery 2011 – Order Codes:**

<b>Product Code</b>	<b>UPC</b>	<b>MM</b>	<b>Description</b>	<b>Minimum Order Quantity</b>
SYMCBE	7 35858 21992 1	911526	Paper certificate containing voucher key for one Backup Exec Media Server license with 1 year Symantec Essentials 24x7 Support.	1
SYMCBESBS	7 35858 21996 9	911532	Paper certificate containing voucher key for one Backup Exec for Windows* Small Business Server (SBS), agent for Microsoft Exchange, agent for Microsoft SQL, agent for Microsoft Sharepoint, agent for Windows systems (1 license), Desktop and Laptop option (up to 75 licenses), and Backup Exec System Recovery 2010 (1 license for server and SBS server) with 1 year Symantec Essentials 24x7 Support.	1
SYMCBE3WIN	7 35858 21993 8	911554	Paper certificate containing voucher key for one Backup Exec Media Server license and three Agent for Windows Systems with 1 year Symantec Essentials 24x7 Support.	1
SYMCBEEXC	7 35858 21994 5	911533	Paper certificate containing voucher key for one Backup Exec Media Server license and agent for Microsoft Exchange Server 2003, 2007 and, 2010 SP1 with 1 year Symantec Essentials 24x7 Support.	1
SYMCBESQL	7 35858 21997 6	911534	Paper certificate containing voucher key for one Backup Exec Media Server license and agent for Microsoft SQL Server 2008 R2, 2005, and 2000 users with granular protection on 32- and 64-bit systems down to the individual database or file group with 1 year Symantec Essentials 24x7 Support.	1
SYMCBEVMW	7 35858 21998 3	911536	Paper certificate containing voucher key for one Backup Exec Media Server license and one Backup Exec 2010 Agent for VMware Virtual Infrastructures with 1 year Symantec Essentials 24x7 Support.	1
SYMCBEHYP	7 35858 21995 2	911543	Paper certificate containing voucher key for one Backup Exec Media Server license and one Backup Exec 2010 Agent for Microsoft Hyper-V license with 1 year Symantec Essentials 24x7 Support.	1
SYMCDEDUP	7 35858 21999 0	911544	Paper certificate containing voucher key for one Backup Exec Media Server	1



			license, three Agent for Windows Systems, and one Deduplication Option license which will support your entire media server environment with 1 year Symantec Essentials 24x7 Support.	
SYMCDDEDUPA	7 35858 22000 2	911545	Paper certificate containing voucher key for one Backup Exec Media Server license, one Deduplication Option license, one Exchange Archive option (10 pack), and one Agent for Exchange with 1 year Symantec Essentials 24x7 Support.	1
SYMCSRSE	7 35858 22462 8	918312	Paper certificate containing voucher key for 1 license for Symantec System Recovery 2011 Server Edition, 1 license for Symantec System Recovery 2011 Desktop Edition and 1 license for Granular Restore Option with 1 year Symantec Essentials 24x7 Support.	1
SYMCSRBS	7 35858 22463 5	918534	Paper certificate containing voucher key for 1 license for Symantec System Recovery 2011 SBS Server Edition and 1 license for Granular Restore Option with 1 year Symantec Essentials 24x7 Support.	
SYMCSRDT	7 35858 22464 2	918535	Paper certificate containing voucher key for 1 license for Symantec System Recovery 2011 Desktop Edition with 1 year Symantec Essentials 24x7 Support.	1