

Intel® Server Boards S4600LH2 and S4600LT2

Intel® Server Systems R2000LH2 and R2000LT2

Spares/Accessories List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel® Server Boards S4600LH2 & S4600LT2 and the 2U Intel Rack Mount Server System

~ Intel Confidential ~
~ Preliminary and Subject to Change ~



Revision 0.997

August 2012

Enterprise Platforms and Services Marketing

Revision History

February 1, 2012 – rev 0.981, added a placeholder for On-Site Repair & Extended Warranty

February 6, 2012 – rev 0.982 – removed NA skus

February 10, 2012 – rev 0.983 – updated RAID BBU cable description, removed 1200W PSU skus, misc Spares & Accessories updates, and updated Symantec and VMware skus

February 24, 2012 – rev 0.984 – updated pictures, added EAN, UPC, and MOQ for Romley common spares & accessories

March 6, 2012 – rev 0.985 – added MM# provided by Kathy

March 13, 2012 – rev 0.986 – Jose provided UPC and EAN codes

March 15, 2012 – rev 0.987 – Renamed DC PSU and Fan Accessory Pcodes as the previous Pcodes were submitted for MM# creation incorrectly.

March 26, 2012 – rev 0.988 – replaced Value Raid with Extended Value Rail as the CCB is approved to change

April 5, 2012 – rev 0.989, removing AXXROCSASCABLE after discussing with Rick that this is not needed anymore

April 20, 2012 – rev 0.990, changed the Fixed drive SKU product code as the Baseboard changed from 10GbE to 1GbE. In addition, created an addl sku by removing Intel® MIC from the fixed HDD sku.

May 11, 2012 – rev 0.991, updated maintenance kits after talking to System Engineer

May 30, 2012 – rev 0.992, updated MM# for Software & Maintenance Kits

June 27, 2012 – rev 0.993, based on customer and geo feedback removed 2 SKUs

July 24, 2012 – rev 0.995, finalized Phi integrated SKU R2304LH2HKCM definition, removed previous R2304LH2FKCM; corrected MM# of FXXLHPFAN; finalized R2000LHMKTMECH and confirmed no inclusion of chassis tub and top cover; created new cable accessory AXXCBL650MS7P; included Intel® Server Continuity Suite information

July 31, 2012 – rev 0.996, removed PHI integrated SKU as this is not going to be sold as EPSD integrated SKU. In addition, removed Extended Value Rail as this is not supported.

August 7, 2012 – rev 0.997, fixed formatting errors

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1. System Product Order Codes

1.1 Product Descriptions – Overview

Product based on the Intel® Server Board S4600LH will be offered as integrated system at production. The product supports 2U with 2 different drive options and a variety of options to order from, including, power supplies type and quantity, additional components.

Board will be offered as a 1-pack spare. Chassis will not be offered separately.

1.2 Available System order codes for R2000LH Family





Image	Product Code MM UPC MOQ	Description
	R2208LT2HKC4 MM: 919479 UPC: 735858247498 EAN: 5032037042376 MOQ: 1	Intel® Server System R2208LT2HKC4 Position Statement: Ideal for Enterprise Applications including Virtualization and Databases <ul style="list-style-type: none">• S4600LT2 motherboard w/Dual 10GbE and 48 DIMM Slots• 2U chassis• Power Distribution Board• Fan Board• Four (4) heatsinks• 1600W AC PSU (2)• 8 x2.5" HDD and 2 internal Fixed SSD support• RMS25PB080, PCIe slot, 8 port SAS 6G ROC module• Hot Swap Backplane supporting 8 x2.5" disk drive• 11 Hot Swap Redundant Fans• Two Risers – Left and Right Riser (1 each)• RMM4• Extended Value Rail (will ECO to premium rail once ready after launch)• Rack Handles
	R2304LT2HVC MM: 919480 UPC: 735858247504 EAN: 5032037042383 MOQ: 1	Intel® Server System R2304LT2HVC – NOT in the Price Book yet Position Statement: Ideal for Enterprise Applications including Virtualization and Databases <ul style="list-style-type: none">• S4600LT2 motherboard w/Dual 10GbE and 48 DIMM Slots• 2U chassis• Power Distribution Board• Fan Board• Four (4) heatsinks• 1600W DC PSU (2)• 4 x3.5" HDD and 2 internal Fixed SSD support

Image	Product Code MM UPC MOQ	Description
		<ul style="list-style-type: none"> • Hot Swap Backplane supporting 4 x3.5" disk drive • 11 Hot Swap Redundant Fans • Two Risers – Left and Right Riser (1 each) • RMM4 • Extended Value Rail (will ECO to premium rail once ready after launch) • Rack Handles
	R2304LH2HKC MM: 919482 UPC: 735858247511 EAN: 5032037042390 MOQ: 1	Intel® Server System R2304LH2HKC Position Statement: Ideal for Enterprise Applications including Virtualization and Databases <ul style="list-style-type: none"> • S4600LH2 motherboard w/Dual 1GbE and 48 DIMM Slots • 2U chassis • Power Distribution Board • Fan Board • Four (4) heatsinks • 1600W AC PSU (2) • 4 x3.5" HDD and 2 internal Fixed SSD support • Hot Swap Backplane supporting 4 x3.5" disk drive • 11 Hot Swap Redundant Fans • Two Risers – Left and Right Riser (1 each) • RMM4 • Extended Value Rail (will ECO to premium rail once ready after launch) • Rack Handles
	R2208LH2HKC2 MM: 919495 UPC: 735858247528 EAN: 5032037042406 MOQ: 1	Intel® Server System R2208LH2HKC2 Position Statement: Ideal for Enterprise Applications including Virtualization and Databases <ul style="list-style-type: none"> • S4600LH2 motherboard w/Dual 1GbE and 48 DIMM Slots • 2U chassis • Power Distribution Board • Fan Board • Four (4) heatsinks • 1600W AC PSU (2) • 8 x2.5" HDD and 2 internal Fixed SSD support • 8 SCU ports w/Patsburg –T (Purple Key) to enable 8 drives • Hot Swap Backplane supporting 8 x2.5" disk drive • 11 Hot Swap Redundant Fans • Two Risers – Left and Right Riser (1 each) • RMM4 • Extended Value Rail (will ECO to premium rail once ready after launch) • Rack Handles

2. Spares and Accessories Order Codes

2.1 I/O Modules and Storage Adapters






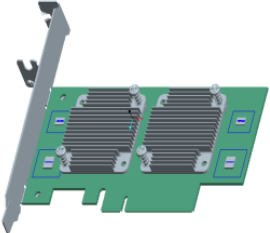




Image	Product Code MM UPC MOQ	Description
Picture not yet available	AXXIOMKIT MM: 920852 UPC: 735858244978 EAN:5032037039543 MOQ: 1	First IO module does NOT require the Bracket as it connects to the Baseboard directly. <u>IO Module Cable and Bracket required if the 2nd networking modules need to be installed.</u>
	AXX10GBNIAIOM MM: 917905 UPC: 735858241090 EAN:5032037035842 MOQ: 1	Dual SFP+ port 10GbE IO module based on Intel® 82599 10 Gigabit Ethernet Controller. Supports direct connect or transceiver. Cables/transceivers not included. Includes three screws
	AXX10GBTWLIOM MM: 917907 UPC: 735858241113 EAN:5032037035866 MOQ: 1	Dual RJ-45 port 10GBASE-T IO module, based on Intel® Ethernet Controller X540 (Twinville). Includes three screws
 *Dual ports shown	AXX1FDRIBIOM MM: 918607 UPC: 735858241106 EAN:5032037035859 MOQ: 1	Single port, FDR speed Infiniband module, with QSFP connector, based on Mellanox CX3 chip. Includes three screws
	AXX2FDRIBIOM MM: 920627 UPC: 735858245722 EAN:5032037040235 MOQ: 1	Dual port, FDR 56GT/S (per port capable) speed Infiniband module, with QSFP connector, based on Mellanox CX3 MT27508A1-FCCR-FV chip. Note, due to PCIe3 x8 bandwidth limitation, both ports can't run simultaneously at full speed. Includes three screws
	AXX4P1GBPWLIO MM: 917911 UPC: 735858241083 EAN:5032037035835 MOQ: 1	Quad port 1GbE IO Module based on Intel® Ethernet Controller I350

Image	Product Code MM UPC MOQ	Description
	AXXQAAPCIE MM: 920562 UPC: 735858244855 EAN:5032037039420 MOQ: 1	Intel Quick Assist Accelerator PCIe card
	RMS25PB080 MM: 917056 UPC: 735858238946 EAN:5032037033725 MOQ: 5	Intel® Integrated RAID Module RMS25PB080, PCIe Slot, LSI2208 ROC, 8P Internal SAS/SATA, LSI MegaRAID-based Firmware, 1GB DDR3, R0,1,10,5,50,6,60
	RMS25PB040 917078 UPC: 735858238953 EAN:5032037033732 MOQ: 5	Intel® Integrated RAID Module RMS25PB040, PCIe Slot, LSI2208 ROC, 4P Internal SAS/SATA, LSI MegaRAID-based Firmware, 1GB DDR3, R0,1,10,5,50,6,60
	RMS25KB080 917089 UPC: 735858239028 EAN:5032037033800 MOQ: 5	Intel® Integrated RAID Module RMS25KB080, PCIe Slot, LSI2308 I/O Controller, 8P Internal SAS, LSI IR-based RAID 0,1,1E
	AXXRSBBU9 MM#: 914238 UPC: 735858220286 EAN:5032037039567 MOQ: 5	Intel® RAID Smart Battery AXXRSBBU9 provides optional battery backup for mainstream RS25, RMS25, RT3 and RMT3 family RAID products.
	AXXRMFBU2 MM: 919876 UPC: 735858244541 EAN:5032037039116 MOQ: 5	Intel® RAID Maintenance Free Backup Unit with NAND Flash and Supercapacitor
Picture not yet available	AXXCBL650MS7P MM: 924389 UPC: EAN: MOQ: 1	The AXXCBL650MS7P is an internal Mini-SAS (SFF8087) to 4-port SATA/SAS (7-pin) fan-out cable with sideband support for enclosure services such as SGPIO. Ideal for connecting Intel® RAID module to a backplane or enterprise hard drives in Intel® sever systems R2000LH2 and R2000LT2, 650mm long, supports both 3Gb/s and 6Gb/s devices.

2.2 Bezels

Image	Product Code MM UPC MOQ	Description
	A2UBEZEL MM: 918086 UPC: 735858241137 EAN: 5032037035880 MOQ: 1	2U locking bezel with two branding clip-on inserts for logo, and one snap-on swoosh

2.3 System Accessories and spares







Image	Product Code MM UPC MOQ	Description
	S4600LT2 MM: 919655 UPC: 735858247542 EAN: 5032037042420 MOQ: 1	Board spare w/Dual 10GbE and DIMM count: 48, single pack
	S4600LH2 MM: 919623 UPC: 735858247559 EAN: 5032037042437 MOQ: 1	Board spare w/Dual 1GbE and DIMM count: 48, single pack
	F1U8X25HSBP MM: 917977 UPC: 735858241014 EAN: 5032037035767 MOQ: 1	Hot Swap Backplane spare board supporting 8 x2.5" drives
	FR1304HSBP MM: 912384 UPC: 735858219334 EAN: 5032037015783 MOQ: 1	Hot Swap Backplane spare board supporting 4 x3.5" drives
	AXXRMM4 MM: 911670 UPC: 735858219303 EAN: 5032037014922 MOQ: 1	Intel® Remote Management Module RMM4 – Remote KVM upgrade with Dedicated NIC Module
	AXXSATADVDROM MM: 906872 UPC: 735858197663 EAN: 5032037015127 MOQ: 1	Slimline SATA DVDROM Accessory








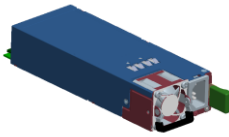


Image	Product Code MM UPC MOQ	Description
	AXXSATADVDRWROM MM: 906873 UPC:735858197670 EAN: 5032037015134 MOQ: 1	Slim SATA DVD+-RW ROM Accessory
	FPWRCABLENA MM: 879287 UPC:735858181129 EAN: 5032037015738 MOQ: 1	North American (AC) Power Cord Spare
Picture not yet available	AXXDCCRPSCBL MM: 922062 UPC: 735858247993 EAN: 5032037042871 MOQ: 1	Description Place Holder – DC Power Cord Spare
Picture not yet available	AXXGPGPUCABLE MM: 919761 UPC: 735858247566 EAN: 5032037042444 MOQ: 10	GPGPU cable accessory supporting Intel® MIC, AXXGPGPUCABLE
	FXX35HSADPB MM: 912771 UPC: 735858219495 EAN: 5032037016391 MOQ: 8	Spare 3.5" HDD hot swap carriers Includes mounting screws for mounting 2.5" drives
	FXX25HSCAR MM: 918807 UPC: 735858241182 EAN: 5032037035910 MOQ: 8	Spare 2.5" HDD hot swap carriers
	AXXTPME5 MM: 919737 UPC: 735858240352 EAN: 5032037035088 MOQ: 1	Trusted Platform Module for server systems
	When no key installed	4 SATA channels active with SW RAID „basic“ which includes RSTe SW RAID 0/1/10/5 + LSI SW RAID 0/1/10
	RKSATA4R5 MM: 916346 UPC: 735858238861 EAN: 5032037033640 MOQ: 5	Intel® RAID C600 Upgrade Key RKSATA4R5, enables LSI SATA SW RAID 5 Key, Black
	RKSATA8 MM: 916347	Intel® RAID C600 Upgrade Key RKSATA8, activates 8 SATA ports and



Image	Product Code MM UPC MOQ	Description
	UPC: 735858238878 EAN: 5032037033657 MOQ: 5	includes RSTe SW RAID 0/1/10/5 and LSI SW RAID 0/1/10 , Blue
	RKSATA8R5 MM: 916348 UPC: 735858238885 EAN: 5032037033664 MOQ: 5	Intel® RAID C600 Upgrade Key RKSATA8R5, activates 8 SATA ports and includes RSTe SW RAID 0/1/10/5 and LSI SW RAID 0/1/10/5 (enables LSI SWR5), White
	RKSAS4 MM: 916349 UPC: 735858238892 EAN: 5032037033671 MOQ: 5	Intel® RAID C600 Upgrade Key RKSAS4, activates 4 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI SW RAID 0/1/10 , Green
	RKSAS4R5 MM: 916350 UPC: 735858238908 EAN: 5032037033688 MOQ: 5	Intel® RAID C600 Upgrade Key RKSAS4R5, activates 4 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI SW RAID 0/1/10/5 (enables LSI SWR5), Yellow
	RKSAS8 MM: 916351 UPC: 735858238922 EAN: 5032037033701 MOQ: 5	Intel® RAID C600 Upgrade Key RKSAS8, activates 8 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI SW RAID 0/1/10 , Orange
	RKSAS8R5 MM: 916352 UPC: 735858238915 EAN: 5032037033695 MOQ: 5	Intel® RAID C600 Upgrade Key RKSAS8R5, activates 8 SAS ports and includes RSTe SW RAID 0/1/10 (no RAID 5) and LSI SW RAID 0/1/10/5 (enables LSI SWR5), Purple

2.4 Power Sub-system Spares and Accessories

Image	Product Code MM UPC MOQ	Description
	FXX1600PCRPS MM: 915606 UPC: 735858243650 EAN: 5032037038294 MOQ: 1	Spare 1600W AC Hot-Swap power supply module
	FXX1600DCRPS MM: 922092 UPC: 735858248013 EAN: 5032037042895 MOQ: 1	Spare 1600W DC Enterprise Redundant Power Supply FXX1600DCRPS, supporting Intel® Server Chassis R2000LH


	FXXLHPPDB MM: 921254 UPC: 735858247580 EAN:5032037042468 MOQ: 1	Spare Power Distribution Board FXXLHPPDB, supporting Intel® Server Chassis R2000LH
Picture not yet available	FXXE84X106HS MM:918321 UPC: 735858236683 EAN:5032037031455 MOQ: 2	Spare 1U Heat Sink 84 x 106 Aluminum Extrusion (Front Heat Sink)
Picture not yet available	FXXCA84X106HS MM: 918318 UPC: 735858236676 EAN:5032037031448 MOQ: 2	Spare 1U Heat Sink 84 x 106 Cu/Al (Rear Heat Sink)
	FXXLHPFANBD MM: 921258 UPC: 735858247597 EAN:5032037042475 MOQ: 1	Spare Fan Board FXXLHPFANBD, supporting Intel® Server Chassis R2000LH
Picture not yet available	FXXLHPFAN MM: 924285 UPC: 735858247603 EAN:5032037042482 MOQ: 1	Spare Redundant Hot Swap Fans (Upper and Lower – 1 each) FXXLHPFAN, supporting Intel® Server Chassis R2000LH

2.5 Control Panel Spares and Accessories


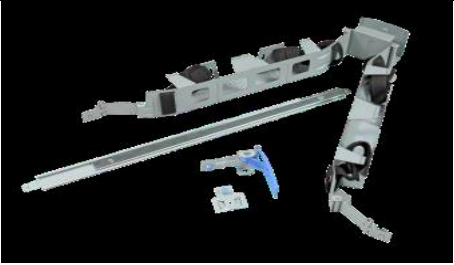
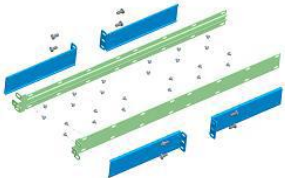
Image	Product Code MM UPC MOQ	Description
	A1U2ULCP MM: 921028 UPC: 735858245302 EAN:5032037039826 MOQ: 1	LCP Module (local control panel) Enables system to display critical errors from SEL for instant diagnostic. Also allows custom message for branding. When installed – replaces ODD on 1208 family, and replaces IO ports tray on 1304,2208,2216,2308 families. Not compatible with 2224 and 2312 families. Module has 2 USB ports. No front video connector.
	FFPANEL MM: 911682 UPC: 735858219327 EAN:5032037019255 MOQ: 5	Front Panel board spare for use on all 1U/2U (R1000, R2000) Rack chassis and P4300 Pedestal Chassis

2.6 Riser Spares and Accessories

Image	Product Code MM	Description
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		UPC MOQ	
		F4S16RISER MM: 921257 UPC: 735858247627 EAN:5032037042505 MOQ: 1	Spare Left Riser and Right Riser F4S16RISER, supporting Intel® Server Chassis R2000LH

2.7 Rails and Mounting Options

Image	Product Code MM UPC MOQ	Description
	AXXPRAIL 912797 UPC: 735858219686 EAN:5032037014823 MOQ: 1	1U/2U Premium Rail Kit Full extension and toolless rail kit. Supports cable management arm
	AXX1U2UCMA MM: 913117 UPC: 735858224604 EAN:5032037019972 MOQ: 1	Cable management arm for Premium 1U/2U rail kit
	AXX2POSTBRCKT MM: 918808 UPC:735858245319 EAN:5032037039833 MOQ: 1	Fixed mount bracket kit for 2-post racks

2.8 Chassis and Electrical Spares Kits

Image	Product Code MM UPC MOQ	Description
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Image	Product Code MM UPC MOQ	Description
	R2000LHMKTMECH MM#: 923352 UPC: 735858250542 EAN:5032037045025 MOQ: 1	R2000LHMKTMECH Chassis Maintenance kit (mechanical parts) supporting Intel® Server Board S4600LH2/S4600LT2 includes: <ul style="list-style-type: none"> • IO Module Filler Panel (2) • Optical Disk Drive Plastic Latch (1) • Optical Drive Filler Panel (1) • CPU Heat Sink Spacer (4) • Cable Management Clamp • Power Supply Filler (2) • Rack handles (set of 2) • DIMM Blanks (48) • Front I/O Bracket w/USB & Dsub (1) • I/O Slot Filler (2) • Misc Hardware (screws, thumbscrews, USB Mounting Screws, etc)
	R2000LHMKTELEC MM#: 923355 UPC: 735858250627 EAN:5032037045032 MOQ: 1	R2000LHMKTELEC Chassis Maintenance kit (electrical part) supporting Intel® Server Board S4600LH2/S4600LT2 includes: <ul style="list-style-type: none"> • Cables – set of all cables • Quick Start Guide

2.9 On-site repair and extended warranty

Image	Product Code MM UPC MOQ	Description
	SVCEWMPBD UPC: 735858250634 EAN:5032037045049 MM#: 9914870	Four Processor Intel® Server Board Extended Warranty
	SVCEWMPSY UPC: 735858253208 EAN: 5032037046220 MM#: 914881	Four Processor Intel® Server System Extended Warranty
	SVCORMPSY UPC:00735858253215	Four Processor Intel® Server System On-Site Repair, Next Business Day

Image	Product Code MM UPC MOQ	Description
	EAN:5032037046237 MM#: 914894	

2.10 Intel® Server Continuity Suite SKUs

Product Code	MM	Description	Minimum Order Quantity
SCSSYSMGR	912851	Intel® Server Continuity Suite System Manager Includes Dashboard, Hardware Management, RAID Management and reporting. Includes 1 year of free maintenance upgrades	1
SCSBACKUP	912852	Intel® Server Continuity Suite Data Protection Manager Includes Basic CDP backup, file level consistency, 24 hour restore points Note: Requires Intel® SCS System Manager	1
SCSADVBACKUP	914444	Intel® Server Continuity Suite Advanced Data Protection Manager Includes advanced CDP backup, file and app consistency, recovery to any point in time, predictive failure backup Note: Requires Intel® SCS System Manager	1

The Intel® Server Continuity Suite System Manager which is required for all other purchases comes with 1 free year of maintenance.

The Intel® Server Continuity Suite software can be downloaded from the following location. It is free to download and install with a 60 days trial.

http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20736

For the rescue CD (needed when doing a full system restore) go to:

http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20737

Customers will need to purchase the software SKU's above. An electronic key will be automatically sent to customers registered email address(s) in the EPSD registration website within 8 hours. If the customer is not registered in the EPSD registration site, the EPSD service specialist will attempt to contact the customer to send the keys and create the account. Note that customers can supply as many email addresses to have the keys sent to as they would like but these addresses will be used for every order.

Customers will then either forward the registration keys to the reseller or print and mail the keys to the reseller.

The reseller will need to login to the following site: <http://prd1warser.cps.intel.com/> with their Intel account. The account must be active but no specific permissions are required to gain access. After logging in to the site, they will enter a baseboard serial # and the registration key. After completing the registration a license key will be immediately returned. The reseller can enter this license key into the software to unlock the features. They can also go back at any point to retrieve this key. A limited number of transfers will be allowed per reseller to handle board replacements.

For more information about Intel® Server Continuity Suite, refer product home page at

<http://www.intel.com/content/www/us/en/server-management/intel-server-continuity-suite.html>

2.11 VMware vSphere* and vCenter* Server SKUs

VMware vSphere* software is available as an accessory when ordering an Intel® Server Board or Intel® Server System. **Customers can only order these SKUs at the time they are ordering an Intel® Server Board or Intel® Server System.** These SKUs cannot be ordered individually.

Licensing Per Processor with vRAM Entitlements: VMware vSphere 5 is licensed on a per-processor basis with a vRAM entitlement. Each VMware vSphere 5 processor license comes with an entitlement to a certain amount of vRAM capacity, or memory configured to virtual machines. For more information, VMware's licensing whitepaper can be found at <http://www.vmware.com/products/vsphere/overview.html>.

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.

All VMware vSphere SKUs below are bundled with either 1 year VMware Basic (12x5) or with 1 year VMware Production (24x7) Support and Subscription.

Standard	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
Enterprise	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
Enterprise Plus	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
VMware vCenter* Server Standard for vSphere 5	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:

Product Code	UPC	MM	Description	Minimum Order Quantity
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	1

Product Code	UPC	MM	Description	Minimum Order Quantity
			(with 32 GB vRAM entitlement per processor) with 1 year VMware Production (24x7) Support and Subscription.	
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 (12x5) Support and Subscription.	1
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

2.12 Symantec SKUs

Symantec* Backup Exec 2010 and System Recovery 2011 software is available as an accessory when ordering an Intel® Server Board or Intel® Server System in **North America**. **Customers can only order the Server SKUs at the time they are ordering an Intel® Server Board or Intel® Server System.** These SKUs cannot be ordered individually.

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.

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

	<ul style="list-style-type: none"> One Option for Microsoft Exchange Mailbox Archiving (up to 10 mailboxes)
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Symantec System Recovery 2011 Editions

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

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

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

Product Code	UPC	MM	Description	Minimum Order Quantity
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	1

Product Code	UPC	MM	Description	Minimum Order Quantity
			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.	
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
SYMCDDEDUP	7 35858 21999 0	911544	Paper certificate containing voucher key for one Backup Exec Media Server 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.	1
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
SYMCSRBSBS	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

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