Intel® Workstation Board W2600CR2

Intel[®] Workstation System Family P4000CR2

Spares/Accessories List and Configuration Guide

A reference guide to assist customers in ordering the necessary components to configure the Intel[®] Workstation Board W2600CR2 and the 4U Intel[®] Workstation Chassis.



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Enterprise Platforms and Services Marketing

Revision History Jan '12 Rev 1.0 Updated descriptions, images, sales ordering details. Feb '12 Rev 1.1 Updated Software sections and added "Lite" SKU. Apr '12 Rev 1.2 Updated description details. May'12 Rev 1.3 Clarified that the chassis is not sold separately. July '12 Rev 1.4 Corrected supported rails, supported disk drives. Added product codes to system descriptions. Added Intel® Server Continuity Suite SKUs. Removed "Lite" SKUs. Dec '12 Rev. 1.5 Removed VMware, Symantec, Intel® Server Continuity Suite, and Intel® Onsite Repair for Servers SKUs. Updated description details.

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1.1 Product Descriptions – Overview

The Intel® Workstation Board W2600CR2 is an Expert Workstation supporting two E5-2600 processors. It will be offered fully integrated in a 4U pedestal chassis. The chassis is not sold separately.

1.2 Summary Table

For a quick overview, all configuration options described in this document are summarized in the table below. For more details such as MM numbers and product order codes, please refer to the other sections in this document.

Product Code	FF	HDD	# of HDD	Power supply	Rails	RAID	Storage Activation	Expander	Available
P4304CR2LFKN	4U	3.5" Fixed	4	1x1600W	None	1,0,10+	None	No	Q4′12
P4304CR2LFJN	4U	3.5" Fixed	4	1x1200W	None	1,0,10+	None	No	Q2′12
P4304CR2LFGN	4U	3.5" Fixed	4	1x750W	None	1,0,10+	None	No	Q2′12

1.3 Available Production Board Spare Order Code for W2600CR2

Image	Product Code MM UPC EAN MOQ	Description
	W2600CR2 916028 735858239301 5032037034074 1	 W2600CR2 Spare Board with Dual NIC, Single Pack: Supports Dual Intel® Xeon E5-2600 processors 150W max Intel® C600 series chipset 16 DDR3 DIMM slots 8 PCle slots: Slot1: PCle3 x16 electrical (x16 slot), FL, DW Slot2/4/6: PCle3 x8 or x0 electrical (x8 slot), FL Slot3/5/7: PCle3 x8 or x16 electrical (x16 slot), FL, DW x16 mode requires PCle Gen3 x8 MUX x16 mode borrows x8 from adjacent Slot Slot8: PCle2 x4 electrical (x8 slot): HL Intel® SAS ROC Mezz slot Intel® IO Module Mezz slot Gen 1 speed. 8 SCU SATA/SAS ports (4 ports functional w/ no storage keys and 4 ports require storage keys) 2 SATA 6G AHCI ports Intel® Dual Gigabit Ethernet with Intel® Virtualization Technology Integrated Baseboard Management Controller with IPMI 2.0 Option for advanced management functions with KVM and dedicated NIC for remote management Onboard HD audio support USB3.0 support Firewire 1394b support eSATA support Note: The spare board does not include accessories such as IO Shield, Cables, or anything else. These are sold separately.

1.4 Available Production System Order Codes for P4000CR2 Family

The systems described in this section are pre-integrated at the factory. The chassis is not sold separately.

EPSD Romley Chassis and Systems shipped to the US & Canada will contain North American power cords. North American customers no longer need to order skus ending in "NA" to receive power cords on Romley products.

Image	Product Code MM UPC EAN MOQ	Description
*Demonstration only, see description for configuration details.	P4304CR2LFJN 916047 735858239233 5032037034005 1	Integrated Intel® Server System W2600CR2 board in Intel "Union Peak L-WS" 4U pedestal chassis Supports up to 8x3.5" Fixed HDD Four 3.5" drive carriers are included Power distribution board (FUPPDBHC) Two CPU heat sinks (AUPSRCBTA) Control panel (FXXFPANEL) Front Bezel (FUPBEZELFIX) Fixed System fan included (FUPNHFANCPU) Processor/memory air duct (FIPCRUPMAD) One 1200W PSU, Platinum level efficiency (FXX1200PCRPS) IO Shield (AW2600CR2IOS) Cables: 2 SATA Power Adapter Cables - 150mm 4pcs 7Pin SATA to Mini SAS cable - 480mm 2 GPGPU power cables - 1100mm Note: Additional GPGPU power cables can be purchased separately. 4 GPGPU power cables are included in accessory AUPLGPUBR.

*Demonstration only, see description for configuration details.	P4304CR2LFGN 916048 735858239240 5032037034012 1	Integrated Intel® Server System W2600CR2 board in Intel "Union Peak L-WS" 4U pedestal chassis Supports up to 8x3.5" Fixed HDD Four 3.5" drive carriers are included Power distribution board (FUPPDBHC) Two CPU heat sinks (AUPSRCBTA) Control panel (FXXFPANEL) Front Bezel (FUPBEZELFIX) Fixed System fan included (FUPNHFANCPU) Processor/memory air duct (FIPCRUPMAD) One 750W PSU, Platinum level efficiency (FXX750PCRPS) IO Shield (AW2600CR2IOS) Cables: 2 SATA Power Adapter Cables - 150mm 4pcs 7Pin SATA to Mini SAS cable - 480mm 2 GPGPU power cables - 1100mm Note: Additional GPGPU power cables can be purchased separately. 4 GPGPU power cables are included in accessory AUPLGPUBR.
*Demonstration only, see description for configuration details.	P4304CR2LFKN 916046 735858248624 5032037043366 1	Integrated Intel® Workstation System W2600CR2 board in Intel "Union Peak L-WS" 4U pedestal chassis Supports up to 8x3.5" Fixed HDD Four 3.5" drive carriers are included Power distribution board (FUPPDBHC) Two CPU heat sinks (AUPSRCBTA) Control panel (FXXFPANEL) Front Bezel (FUPBEZELFIX) Fixed System fan included (FUPNHFANCPU) Processor/memory air duct (FIPCRUPMAD) One 1600W PSU, Platinum level efficiency (FXX1600PCRPS) IO Shield (AW2600CR2IOS) Cables: 2 SATA Power Adapter Cables - 150mm 4pcs 7Pin SATA to Mini SAS cable - 480mm 2 GPGPU power cables - 1100mm Note: Additional GPGPU power cables can be purchased separately. 4 GPGPU power cables are included in accessory AUPLGPUBR.

2.1 General Spares and Accessories

Image	Product Code MM UPC EAN MOQ	Description
	FXX750PCRPS 915604 00735858234979 5032037030601 1	750W Common Redundant Power Supply spare 80Plus Platinum efficiency for for P4000IP, P4000CR System.
	FXX1200PCRPS 915605 735858225137 5032037035071 1	1200W Common Redundant Power Supply spare 80Plus Platinum efficiency for P4000IP, P4000CR System.
	FXX1600PCRPS 915606 735858243650 5032037038294 1	1600W Common Redundant Power Supply spare 80Plus Platinum efficiency for P4000IP, P4000CR System.
	FUPCRPSCAGE 915607 00735858235891 5032037030656 1	Common Pedestal CRPS PSU cage assembly (cage, adaptor bracket, screws, supporting bulkhead, 1x blank filler)
	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.
	AUPSRCBTA 915294 735858236164 5032037030939 1	The production Intel® heat sink sets (2 included), SRC-B tower active, 98mmx100mm, required for production Intel® S2600CR workstation board to be used in production Intel® 4U workstation chassis W4000 series
	FUPNHFANCPU 919572 00735858236034 5032037030793 1	Fixed Fan Spare Kit for P4000 24/27" for CPU area for UPM , or either CPU or PCI area fan in UPL Includes; (1) 120mm fixed fan

	FIPCRUPMAD 915631 00735858236072 5032037030830 1	Air duct spare for S2600IP and S2600CR in P4000 (27") server chassis
A State of the second stat	AXXELVRAIL 920970 00735858244367 5032037038980 1	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)
	AXX3U5UPRAIL 915634 00735858236119 5032037030892 1	Advanced rail kit for P4000 Server Chassis used when converting Pedestal chassis to 4U rack chassis, and full extension rails are needed. Includes; two rails
the second	AXX3U5UCMA 915635 00735858236126 5032037030908 1	Rack Cable Management AXX3U5UCMA (For Use with Advanced Rail Kit AXX3U5UPRAIL for Intel® Server Chassis P4000 Family)
	FUPBEZLFIX2 925750	Bezel spare for P4000IP and P4000CR System with fixed drives (no door) Note: FUPBEZELFIX2 is compatible to Production system only
	AUPBEZEL4UF 915636 00735858235976 5032037030731 1	Rack bezel kit for converting P4000 pedestal server chassis to rack chassis Includes: bezel frame, and 2 rack handles

	AUPBEZEL4UD 915637 00735858235983 5032037030748 1	Rack bezel accessory for P4000 chassis in rack configuration - security door only
Picture not yet available	AUPLWSFIO 920851 735858244701 5032037039277 1	Front IO Panel for use with Intel Workstation. It includes Audio, eSATA, 1394B ports and a slot for a 3.5" device such as an USB reader.
Picture not yet available	AW2600CR2IOS 920857 735858244985 5032037039550 1	Spare IO Shield for W2600CR2 board.
	FXXFPANEL 915982 00735858222419 5032037018968 1	Front Panel board spare for P4000, R1000, R2000 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 Q4 2012
Image not yet available	FUPLMSK 915654 00735858236010 5032037030779 1	Chassis Maintenance kit for P4000 27" server chassis (Mechanical Spares Kit) Includes EMI cover, 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

For demo only	FUPLESK 915655 00735858236027 5032037030786 1	 Chassis Maintenance kit for P4000L/P4000L-WS Includes: 2x SATA power cables, one 1x4 pin natural ATX power header to two SATA power headers, 150mm 1x I2C cable, one 5 pin header to one 3 pin header, 600mm 1xI2C cable, one 5 pin header to one 5 pin header, 200mm 1xHotSwapBackPlane adapter power cable, one 4 pin header to one 2x2 pin header, 100mm 1x SAS cable, one mini SAS header to four right angle SATA headers. 480mm. 4x GPGPU power cables.one 2x2 pin header to one 2x4 pin header plus one 2x3 pin header. 1100mm. 1x SPDIF cable, 4 pin header to one RCA header, 520mm 1x front video cable, one 14 pin header to one DB15 header, 1100mm 1x serial cable, one 10 pin header to one DB9 header. 390mm
		 header, 520mm 1x front video cable, one 14 pin header to one DB15 header, 1100mm 1x serial cable, one 10 pin header to one
	FPWRCABLENA 879287 00735858181129 1	North American Power Cord Spare

2.2 Drive/storage subsystem spares and accessories

Image	Product Code MM UPC EAN MOQ	Description
	FUP4X35NHDK 912770 00735858219488 5032037016247 4	Fixed Drive Carrier spare for P4300 server chassis (compatible with 2.5" HDDs/SSDs)

	RKSATA4R5 916346	Patsburg-A SATA SW LSI RAID 5 Key, Black
	735858238861	
	5032037033640	
	5	
	RKSATA8	8port SATA Key, Blue
	916347	
	735858238878	
	5032037033657	
	5	
	RKSATA8R5	8port SATA with LSI SW RAID 5 Key, White
	916348	
	735858238885	
	5032037033664	
	5	
	RKSAS4	4port SAS Key, Green
	916349	
-	735858238892	
	5032037033671	
	5	
	RKSAS4R5	4port SAS with LSI SW RAID 5 Key, Yellow
	916350	
	735858238908	
	5032037033688	
	5	
	RKSAS8	8port SAS Key, Orange
	916351	
	735858238922	
	5032037033701	
	5	
	RKSAS8R5	8port SAS with LSI SW RAID 5 Key, Purple
	916352	oport one with Lot ow thin o hey, I diple
	735858238915	
	5032037033695	
	5	

2.3 Expansion modules: IO Module, SAS Module, RMM4, TPM

Image	Product Code MM UPC EAN MOQ	Description
C TRANSPORT	AXXRMM4LITE 911660 00735858219297 5032037014946 1	Intel® Remote Management Module RMM4LITE - Activation key for advanced management features including remote KVM.

	AXXRMM4	
	911670 00735858219303 5032037014922 1	Intel® Remote Management Module RMM4 – Activation key for advanced management features including remote KVM <u>plus</u> Dedicated NIC Module.
	AXXTPME5 919737 735858240352 5032037035088 1	Trusted Platform Module for server systems
Picture not yet available	AXXIOMKIT 920852 735858244978 5032037039543 1	IO Module Cable and Brackets for use with Intel [®] Workstation Board W2600CR2 in the Intel [®] Server chassis P4000.
	AXX10GBNIAIOM 917905	Dual SFP+ port 10GbE IO module based on Intel® 82599 10 Gigabit Ethernet Controller Supports direct connect or transceiver.
	735858241090 5032037035842 1	Cables/transceivers not included. Includes three screws.
		Requires IO Module Kit AXXIOMKIT.
	AXX10GBTWLIOM 917907 735858241113 5032037035866 1	Dual RJ-45 port 10GBASE-T IO module, based on Intel [®] Ethernet Controller X540 Includes three screws. Requires IO Module Kit AXXIOMKIT.
	AXX1FDRIBIOM 918607 735858241106 5032037035859 1	Single port, FDR 56GT/S speed Intel I/O Expansion Infiniband module, with QSFP connector, based on Mellanox CX3 MT27504A1- FCCR-FV chip. Includes three screws *Dual port shown on picture
*Dual ports shown		Requires IO Module Kit AXXIOMKIT.
	AXX2FDRIBIOM 920627 735858245722 5032037040235 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 simultaneously function at full speed. Includes three screws.
		Requires IO Module Kit AXXIOMKIT.

	AXX4P1GBPWLIOM 917911 735858241083 5032037035835 1	Quad port 1GbE IO Module based on Intel [®] Ethernet Controller I350 Requires IO Module Kit AXXIOMKIT.
	AXXQAAIOMOD 920561 735858244848 5032037039413 1	Intel® Quick Assist Accelerator I/O Module Requires IO Module Kit AXXIOMKIT. Target availability: Q1'13.
	AXXQAAPCIE 920562 735858244855 5032037039420 1	Intel® Quick Assist Accelerator PCIe card Target availability: Q1'13.
	AUPLGPUBR 920612 00735858244480 5032037039055 1	Bracket for securing full length GPU cards to fan bulkhead, for use in P4000L/P4000L-WS, includes 1 bracket, 4 GPGPU power cables and 7 screws for GPGPU fixture.
Picture not yet available	AUPLCOPROBR 926365 00735858257053 5032037049146 1	Bracket for securing full length double width GPU cards to fan bulkhead, for use in P4000L/P4000L-WS, includes 1 bracket, 4 GPGPU power cables, 4 Intel® Xeon® Phi™ Coprocessor PCI Express* Card extension brackets, screws. Target availability: Q1'13
	RMS25CB080 917084 735858238977 5032037033756 5	SAS Module: 8 Port SAS-2.1 version, Full HW RAID, 1GB onboard cache memory. Supports RAID levels 0,1,5,6 and spans. Supports Battery Backup Unit. Mezzanine card form factor – does not occupy PCIe slot
	RMS25CB040 917085 735858238984 5032037033763 5	SAS Module: 4 Port SAS-2.1 version, Full HW RAID, 1GB onboard cache memory. Supports RAID levels 0,1,5,6 and spans. Supports Battery Backup Unit. Mezzanine card form factor – does not occupy PCIe slot
	RMS25KB080 917089 735858239028 5032037033800 5	Intel® Integrated RAID Module RMS25KB080, PCIe Slot, LSI2308 I/O Controller, 8P Internal SAS, LSI IR-based RAID 0,1,1E Requires PCIex8 slot
	RMS25KB040 917090 735858239035 5032037033817 5	Intel® Integrated RAID Module RMS25KB040, PCIe Slot, LSI2308 I/O Controller, 4P SAS, LSI IR- based RAID 0,1,1E Requires PCIex8 slot
	RMT3CB080 917086 735858238991 5032037033770 5	SATA Module: 8P SATA-3 version, Full HW RAID, 512MB integrated cache memory. Supports RAID levels 0,1,5,6 and spans. Supports Battery Backup Mezzanine card form factor – does not occupy PCIe slot

	RMS25PB080 917056 735858238946 5032037033725 5	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 PCIex8 slot
	RMS25PB040 917078 735858238953 5032037033732 5	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 PCIex8 slot
	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 PCIex8 slot
Image not yet available	AXXRMFBU2 919876 735858244541 5032037039116 5	Intel [®] RAID Maintenance Free Backup Unit
	AXXRSBBU9 914238 735858220286 5032037039567 5	Intel® RAID Smart Battery AXXRSBBU9 provides optional battery backup for mainstream RS25, RMS25, RT3 and RMT3 family RAID products.
Compared Extended Watery Reg Compared Extended Watery Reg	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.
Executive trans ¹⁰ have Concerned Advanced Retrancy 2014 Executive trans ¹⁰ have Concerned Retranced Retrancy 2014 Executive Texas Advanced Retranced Retranced Executive Texas Advanced Retranced Retranced Executive Texas Advanced Retranced Retranced For texas Advanced Retranced Retranced Retranced For texas Advanced Retranced Retranced Retranced For texas Advanced Retranced Retra	SVCEWDPBD 911294 1	Two year extended warranty for Intel® Server Boards that support two processors.