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Intel® Server System H2312JFQJR

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SPECIFICATIONS

Essentials

Launch Date	Q1'12
Status	Launched
Expected Discontinuance	Q1'13
Limited 3-year Warranty	Yes
Extended Warranty Available for Purchase (Select Countries)	Yes
Chassis Form Factor	2U Rack
Chassis Dimensions	3.5" x 17.2" x 30.5"
Board Form Factor	Custom 6.42" x 17.7"
Rack Rails Included	Yes
Socket	Socket R
Target Market	High Performance Computing
Rack-Friendly Board	Yes
Power Supply	1200W AC, Platinum Efficient
Power Supply Type	AC
# of Power Supply	2
Redundant Fans	Not Supported
Redundant Power	Supported
Heat Sink	8
Heat Sink Included	Yes
Backplanes	Included
Included Items	Integrated 2U 4 Node server system including (4) Intel(r) Server Board S2600JFQ with InfiniBand QDR (40Gb/s), (4) Bridge Board, (4) Node Power Board, (4) PCIe x16 Riser Card, (8) 1U Passive 91.5mm x 91.5mm Heat Sink, (12) 4056 Dual Rotor Fan, (4) Air Duct, (4) 1U Node Tray, (1) 3.5" SATA/SAS Backplane to support 12x 3.5" Hot-Swap HDD, (12) 3.5" Drive Carriers, (2) 1200W Common Redundant Power Supply (Platinum Efficiency), (2) Power Distribution Boards, Value Rails
# of 2.5" Hard Drives	12
2.5" Hard Drive Support	Supports 12 hot-swap 2.5" SATA 3G drives standard, SAS 3G with activation key/discrete controller
# of 3.5" Hard Drives	12
3.5" Hard Drive Support	Supports 12 hot-swap 3.5" or 2.5" SATA 3G drives standard, SAS 3G with activation key/discrete controller
Intel® Server Management Software	Yes
Additional Information URL	Link
Recommended Customer Price	N/A

Memory Specifications

Memory Types	DDR3 ECC UDIMM 1333, RDIMM 1600, LRDIMM 1333
# of DIMMs	32
Max Memory Size (dependent on memory type)	1024 GB

Graphics Specifications

Integrated Graphics ‡	Yes

Expansion Options

PCIe x16 Gen 3	4
Connector for Intel® I/O Expansion Module	4

I/O Specifications

# of USB Ports	20
Total # of SATA Ports	20
RAID Configuration	Software RAID 1,0,10 optional 5
# of Serial Ports	4

Integrated LAN	8x 1GbE
# of LAN Ports	8
Optical Drive Support	No
Integrated SAS Ports	12
Embedded USB (eUSB) Solid State Drive Option	No
Integrated InfiniBand*	Yes

Package Specifications

Max CPU Configuration	8

Advanced Technologies

Intel® Remote Management Module Support	True
Integrated BMC with IPMI	IPMI 2.0
TPM Version	1.2
Intel® Node Manager	Yes
Intel® On-Demand Redundant Power	Yes
Intel® Advanced Management Technology	Yes
Intel® Server Customization Technology	Yes
Intel® Build Assurance Technology	Yes
Intel® Efficient Power Technology	Yes
Intel® Quiet Thermal Technology	Yes

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