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## Intel® Server System H2312JFQJR

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### SPECIFICATIONS

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### COMPATIBLE PRODUCTS

#### ORDERING / SSPECS / STEPPINGS

### SPECIFICATIONS

#### Essentials

Launch Date	Q1'12
Status	Launched
Expected Discontinuance	Q1'13
Limited 3-year Warranty	Yes
Extended WarrantyAvailable 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	1200WAC, 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 12x3.5" 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" SATA3G 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
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#### 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

### RELATED PRODUCTS

- 2U Rack Server Systems
- Intel® Server System H2000JF Family
- Products formerly Jefferson Pass
- Intel® Server Board S2600JFQ
- Intel® C602 Chipset

### QUICK LINKS

- No Datasheet Available
- Export Full Specifications
- Additional Information
- Search Distributors
- Software Downloads
- Support Overview
- Search all of intel.com

### PCN/MDDS Information

918306: PCN | MDDS

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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"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

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