

BladeRack Series

Server / Cluster Specifications



High Density

- Up to 176 Processors
- Up to 88 Nodes with room for Networking & Switches

Flexible

- Modular Hot-Swap Nodes & Fan Trays
- Available PCI Slot used for high-end graphic cards, high-speed networking, etc.
- Remote Management Capabilities

High Performance

- Up to 1Tflop of computing Power
- Up to 1.4TB of DDR Memory

Scalable

- Easily Facilitate Future Growth

Reliable

- Utilizing best of breed components to ensure optimal reliability
- Patent Pending VCS "Vertical Cooling System"

- Reliable
- Scalable
- Flexible
- High-Density
- High-Performance

Why the BladeRack?

Density: BladeRack accommodates up to 88 nodes, and 176 processors in one 7ft. cabinet, making it the highest density cluster available today.

Performance: With up to 1 Tflop of processing power, 1.4 Tbyte capacity, and a direct storage capacity up to 50 Tbytes, the BladeRack is undoubtedly the most powerful high performance cluster in a 7ft.cabinet.

Cooling: Heat naturally rises, and the patent pending VCS takes advantage of this by cooling from bottom to top. Traditional cluster installations ineffectively cool from front to back where heat exhausts from the rear of the cabinet sometimes causing hot spots in data centers.

Accessibility & Ease of Maintenance: Each BladeRack contains RackBlade nodes and fan trays which are hot-swappable. Both fan trays and nodes can be easily swapped out. This makes the BladeRack easy to maintain, which minimizes down time.

Low Cost of Ownership: BladeRack is a patent pending design which houses non-proprietary, "Best of Breed" components. This makes future expansion easier and ultimately lowers your TCO "Total Cost of Ownership."

Configuration & Pricing

The BladeRack is easily configured by logging on to www.racksaver.com. If you have questions about configuring a high performance computing solution, please feel free to call 1-888-942-3800 and talk to our highly qualified sales staff.

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RackBlade Attributes	
Processors	<ul style="list-style-type: none"> Intel® Pentium® 4 & Xeon™ AMD Athlon™ XP & MP
Memory	<ul style="list-style-type: none"> Up to 16GB DDR Memory
Hard-disk Drives	<ul style="list-style-type: none"> SCSI IDE Holds up to 4
Motherboards	<ul style="list-style-type: none"> SuperMicro Tyan Intel® Gigabyte MSI
Misc Options	<ul style="list-style-type: none"> CD-ROM Floppy Disk Drives Custom Logos Custom LED
RackBlade Master Node	
Options	<ul style="list-style-type: none"> Up to 6 Hot-Swap Drive Bays RAID 0,1,5 SCSI or IDE

Networking	
High-Speed Interconnect	<ul style="list-style-type: none"> Infiniband® Myricom™ Myrinet™
Ethernet	<ul style="list-style-type: none"> GigE (Copper & Fiber) 10/100
Software	
OS Options	<ul style="list-style-type: none"> RedHat 7.x - 8.x, Debian, Mandrake, & SuSE Microsoft® Windows
Cluster Packages	<ul style="list-style-type: none"> OSCAR Microsoft® Windows.NET Rocks

BladeRack Series

Versions	RS-1100V-66	RS-1100V-44	RS-1100VM-88	RS-1100VM-66	RS-1200V-132
Nodes/Processors	66 / 132	44 / 88	88 / 176	66 / 132	132 / 132
Dimensions	40" x 24" x 83.75"	40" x 24" x 61"	40" x 24" x 83.75"	40" x 24" x 64"	40" x 24" x 83.75"
Max. Weight	1300 lbs	1100 lbs	1500 lbs	1300 lbs	1500 lbs
Power Requirements	(4)L6-30	(3)L6-30	(5)L6-30	(4)L6-30	(4)L6-30
Utility Space	6U	6U	8U	8U	6U
Max. PCI Slots / Node	2	2	1	2	1
Misc. Options	<ul style="list-style-type: none"> CD Floppy Up to 4 Hard Drives 	<ul style="list-style-type: none"> CD Floppy Up to 4 Hard Drives 	<ul style="list-style-type: none"> 1 Hard Drive 	<ul style="list-style-type: none"> 1 Hard Drive 	<ul style="list-style-type: none"> 4 Hard Drives
Max. Wattage	Approx. 15,000	Approx. 10,000	Approx. 20,000	Approx. 15,000	Approx. 17,500
Max. BTU Per Hour	Approx. 50,000	Approx. 35,000	Approx. 70,000	Approx. 50,000	Approx. 60,000
Max. AC Required	Approx. 4 Tons	Approx. 3 Tons	Approx. 6 Tons	Approx. 4 Tons	Approx. 5 Tons