Cutting-edge blade servers can cut costs and power needs

Company	Product	Hardware features	Platforms	Price
Dell Computer Corp. Round Rock, Texas 800-293-3492 **www.dell.com**	PowerEdge 1655MC Enclosure	Two hot-swap redundant power supplies, built-in KVM switch, four hot-swap cooling fans, integrated ATI RAGE video controller, two Gigabit Ethernet switches, six internal Ethernet inputs for the blades, NAS or tape backup options	Win 2000 Server and Advanced Server, Red Hat Linux	$2,597
	PowerEdge 1666MC Blades	Dual 1.26-GHz or 1.4-GHz Pentium III processors, 512M RAM, dual 18G hard drives, dual integrated Ethernet, two Peer PCI buses, RAID controller, up to two SCSI drives per blade	Win 2000 Server and Advanced Server, Red Hat Linux	$3,502
Egenera Inc. Marlboro, Mass. 508-858-2600 **www.egenera.com**	BladeFrame	Configured system that creates a pool of up to 96 Intel processors deployable entirely through software; chassis has 24 two-way or four-way SMP processing resources, redundant central controllers, redundant integrated switches and redundant high-speed interconnects; processing blades are diskless and contain only processors and memory	Red Hat Linux	$200,000 up
Hewlett-Packard Co. Palo Alto, Calif. 800-727-5472 **www.hp.com**	ProLiant BL e-Class	Comes in two models: the 900-MHz BL10e and 800-MHz BL10e, each with 20 server blades per 3U enclosure, up to 1G ECC SDRAM per processor, ServerWorks LELP 3.0 chip set, 5,400-rpm or 4,200-rpm hard drives, two 10/100-Mbps Ethernet NICs, Integrated Administrator; enclosure has redundant hot-swap power and cooling modules	Win 2000 Server, Red Hat Linux, SuSE Linux, Microsoft .Net Server	$1,759
	ProLiant BL p-Class	BL20p, currently available, has two 1.4-GHz Pentium processors, up to 4G RAM, integrated Smart Array 5i controller, hot-swap Wide Ultra3 SCSI drive cage with 18.2G hard drive, 512M of SDRAM, and a maximum 48 blades per 42U rack; BL20p G2, available this spring, will have dual 2.8-GHz Intel Xeon processors and a Fibre Channel storage option; BL40p, also available this spring, will come with four 2-GHz Xeon processors, up to 12G RAM, maximum storage of 584G and up to 12 blades per 42U rack	Win 2000 Server, Red Hat Linux, SuSE Linux, Microsoft .Net Server	$2,336 per blade for the BL20p; prices for BL20p G2 and BL40p this spring
IBM Corp. Armonk, N.Y. 800-426-4968 **www.ibm.com**	eServer BladeCenter	7U rack-optimized chassis, 14 blade server bays for up to 84 servers in the rack, cable reduction of up to 83 percent, XpandonDemand scale-out capability, up to four hot-swap and redundant switch modules supporting Gigabit Ethernet and Fibre Channel, up to four hot-swap and redundant load balancing power supply modules, high-availability ePlane for maximum uptime	Win 2000 Server and Advanced Server, Red Hat Linux, SuSE Linux, Novell NetWare	$2,789 up
	BladeCenter HS20	Optimized for the BladeCenter enclosure, up to two 2-GHz or 2.4-GHz Xeon processors, up to 8G of DDR ECC Chipkill RAM, support for two local IDE and/or two hot-swap SCSI hard drives, integrated dual Broadcom Gigabit Ethernet, two high-availability midplane connections, Predictive Failure Analysis, integrated Systems Management Processor, Light Path Diagnostics self-diagnosis panel	Win 2000 Server and Advanced Server, Red Hat Linux, SuSE Linux, Novell NetWare	$1,879 up
Next Computing Nashua, N.H. 603-886-3874 **www.atnextcom.com**	NextServer 420	4U rackmount enclosure, two backplanes, one to 10 hot-swap server blades, one hot-swap KVM switch blade, one management blade, two Ethernet feed-through switch blades, four fan trays and four to seven hot-swap power modules; server blades hold up to two 2.4-GHz processors, onboard 2.5-inch ATA100 IDE hard drive, dual Gigabit Ethernet ports, one management LAN port for the dual-processor version and one PCI-X add-on card slot	Win 2000 Server and Advanced Server, XP, Red Hat Linux 7.3, FreeBSD 4.6	$8,000 for chasis and one blade
RLX Technologies Inc. The Woodlands, Texas 866-759-9866 **www.rlx.com**	System 300ex Chassis	3U chassis, holds up to 24 server blades and up to 336 server blades per 42U rack, consolidated cabling, integrated management switch, hot-swap power supplies and ServerBlades, network connect cards, network switches; supports the RLX ServerBlade 1200i, 800i, 1000t	Win 2000 Server, Red Hat Linux	$3,160 GSA
	System 100ex Chassis	1U chassis for six ServerBlades (252 ServerBlades per 42U rack), integrated management switch, hot-swappable, redundant power supplies; supports the ServerBlade 800i	Win 2000 Server, Red Hat Linux	$1,915 GSA
	System 600ex Chassis	6U enclosure, holds up to 10 ServerBlades, 24 100-Mbps Ethernet port management switch, with two 1-Gbps uplinks, dual 12-port 1-Gbps Ethernet switches, two-plus-one redundant 1500W power supplies, LCD display	Win 2000 Server, Red Hat Linux	$2,400
	ServerBlade 1200i	One 1.2-GHz Pentium III processor, up to 2G DDR RAM modules, one or two 2.5-inch Ultra ATA/66 disk controllers with drives (up to 60G capacity), dual drives support RAID, two integrated 10/100 Ethernet controllers, one integrated 10/100 Ethernet controller dedicated to management network connectivity	Win 2000 Server and Advanced Server, Red Hat Linux 7.2, 7.3, 8.0	$1,529 up
	ServerBlade 800i	One 800-MHz Pentium III processor, up to 1G DDR RAM module, one or two 2.5-inch Ultra ATA/66 disk controllers with drives (up to 60G capacity), dual drives support RAID, two integrated 10/100 Ethernet controllers, one integrated 10/100 Ethernet controller dedicated to management support	Win 2000 Server and Advanced Server, Red Hat Linux 7.2, 7.3, 8.0	$1,388 up GSA
	ServerBlade 2800i	Dual 2.8-GHz or 3.0-GHz Pentium 4 processors, up to 8G DDR RAM, 2.5-inch ATA/100 disk drive (60G or 80G capacity), dual 1Gbps Ethernet NICs, two 100-Mbps Ethernet interfaces dedicated to management support	Win 2000 Server and Advanced Server, Red Hat Linux 7.3	$2,400
Sun Microsystems Inc. Santa Clara, Calif. 650-960-1300 **www.sun.com**	Sun Fire B1600 Intelligent Shelf	Front-to-back cooling, passive midplane with dual Gigabit Ethernet fabric, separate management network, service indicator lights, dual power supply unit with independent fans, hot-swap switch, system controllers and power supply units, holds up to 16 blades	Solaris 8 Operating Environment, Linux	$4,795
	Sun Fire B100s Blade Server	UltraSPARC III 650-MHz processor, up to 2G RAM, up to two Gigabit Ethernet interfaces, two RS-232 serial ports, internal 30G 5,400 rpm Ultra ATA drive, single slot 3U self-enclosed blade, fits into 3U Sun Fire Intelligent Shelf	Solaris 8 Operating Environment, Linux	$1,795 to $2,995
Silicon Mechanics Inc. Seattle 866-352-1173 **www.siliconmechanics.com**	SM-318B	Rackmountable 3U enclosure, supports up to 18 blade servers per chassis, one 1.26-GHz Pentium III processor, Intel 815E or ServerWorks ServerSet LC-E chip set, up to 1G SDRAM, single 2.5-inch ATA hard drive, KVM/FDD/CD Module (takes two blade slots), system management port, daisy chain port, PS/2 Keyboard/Mouse ports, VGA port, three 10/100 Ethernet and one Broadcom 10/100/1000 Gigabit Ethernet port, 1,200W 4+1 redundant power supply	Optional	$5,640 per chassis, $1,117 per blade