

Mainframe features bring extraordinary performance and reliability to a rack-optimized 8-way server



IBM Netfinity 8500R

Highlights

Superior reliability

OnForever™ technology advances—Light-Path Diagnostics, Active PCI™ and top-rated¹ systems management software—deliver exceptional reliability.

Low total cost of computing

Netfinity® X-architecture innovations from IBM mainframe experts integrate the best of “big iron” technology, reducing outages and maximizing performance.

Sparkling service and support

Extensive IBM service and support help minimize costs and maximize network uptime.

Netfinity 99.9% Availability Guarantee Program²

A robust suite of required services from IBM Global Services wrapped around specific bounded clusters, up to eight nodes, to help you better avoid unplanned downtime.

The high-performance, easy-to-manage Netfinity 8500R enterprise server is excellent for compute-intensive activities such as business intelligence (data mining, data warehousing), e-business transaction processing, ERP or server consolidation.

This award-winning³ system addresses the high-availability and reliability concerns of companies migrating large, mission-critical applications to Intel® processor-based servers. Technologies proven on the AS/400®, RS/6000® and S/390® platforms are embedded in the Netfinity 8500R, empowering it with superior reliability and scalability:

- Active PCI technology so you can add client systems, balance network traffic or increase storage capacity—without downtime

- ClusterProven Program on Netfinity for smooth integration with other cluster components and software
- Optimized for enterprise storage solutions such as storage area networks (SANs) in a Fibre Channel or RAID environment
- Technology-enabled services like Remote Connect “call home” to automatically contact and initiate support service response



Netfinity


IBM Netfinity 8500R at a glance
Need more information?
www.ibm.com/netfinity
www.ibm.com/pc/year2000 (worldwide)

Models	8681-4RY	8681-5RY	8681-6RY
Form factor/height	Rack with tower option/8U ⁴		
Intel Pentium® III Xeon™ processor	550MHz ⁵		
Number of processors (std/max)	1/8		
Level 2 cache	512KB	1MB	2MB
ECC SDRAM memory (std/max)	256MB/16GB	512MB/16GB	512MB/16GB
I/O slots	Twelve 64-bit Active PCI; four 66MHz and eight 33MHz		
PCI disk controller	Integrated Dual Channel Wide Ultra2 SCSI		
Advanced System Management processor	Advanced System Management PCI Adapter		
Light-Path Diagnostics	Yes		
Bays	4 (2 hot-swap)		
Hard disk drive (standard)	Open bay		
Maximum internal hot-plug storage	72.8GB/1164.8GB ⁶		
RAID support	Optional		
Network	Optional		
I/O ports	2 serial, 1 parallel, 2 USB, 1 mouse, 1 keyboard, 1 video		
CD-ROM drive/diskette drive	40X-17X ⁷ IDE/1.44MB		
Power supply	550W(110V) or 750W(220V); 3 hot-swap and n+1 redundant ⁸		
Cooling fans	6 hot-plug and redundant		
Operating systems tested	Microsoft® Windows NT®, Novell® NetWare®, SCO UNIX®, Microsoft and Novell certified		
Software	IBM Netfinity Director, IBM Netfinity Manager™, IBM ServerGuide, Norton Antivirus™ (OEM version), Lotus® Domino™ Application Server and five Lotus Notes® collaboration client licenses ⁹		
Service, support and offerings	3-year limited onsite warranty, 90-day IBM Start Up Support, MoST Connect, Netfinity 99.9% Availability Guarantee Program, Remote Connect, Update Connector, SystemXtra® ¹⁰		
Predictive Failure Analysis® support	Hard disk drives, CPUs, VRMs, cooling fans, power supplies and memory		

¹ Netfinity Manager had the top satisfaction marks according to the 1998 User Ratings Survey of PC Servers performed by Datapro as part of the GartnerGroup.

² Available only on select Netfinity servers meeting pre-defined criteria, to include Netfinity 5500, 5500 M10, 5500 M20, 7000 M10 and 8500R only, having completed Microsoft Cluster Service certification as listed on ServerProven Web site; IBM reserves the right to change the terms and conditions of the program at any time, without notice. For more details, refer to: www.pc.ibm.com/us/solutions/netfinity/999 guarantee.html or your IBM PSG sales representative.

³ PC Week's Winners' Circle Best in Category Award for Infrastructure Hardware and Software awarded at PC Expo, June 1999.

⁴ A single "U", or rack unit, is 1.75" or 44.45mm.

⁵ MHz only measures internal clock speed, not application performance. Many factors affect application performance.

⁶ Maximum internal storage/maximum additional storage with three NetBAY3E™ storage pedestals holding three Netfinity EXP200 storage units each holding ten 36.4GB hard disk drives.

⁷ Variable read rate. Actual speeds depend on many factors and are often less than the maximum possible.

⁸ n+1 redundant guaranteed only in 220V.

⁹ Domino Server offer valid until December 31, 1999 and may vary by model. Refer to Netfinity Web site for details.

¹⁰ SystemXtra is available to commercial and state and local government customers with valid credit. Eligibility for the Technology Exchange Option is based on total IBM PC hardware acquisition commitment for a 12-month period; minimum qualifying levels apply. Program is subject to change without notice. Additional terms, conditions and limitations may apply. IBM Global Financing offerings are made available through IBM Credit Corporation in the US and other IBM subsidiaries and divisions worldwide.

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