IBM

IBM PC Server 704

Highlights

Power

• *The power to confidently run your business-critical applications—with 200MHz[1] Pentium Pro processor.*

• *Outstanding price/performance as demonstrated by impressive application benchmark results.*

Scalability

• *The flexibility to upgrade as your requirements grow—up to four-way symmetric multiprocessing (SMP).*

• *System-wide scalability accommodates your most demanding applications.*

Control

• *Ensure your business and system run smoothly.*

• *Systems management at its best with IBM NetFinity 5.0—proactively maintain control of your networked business systems, from anywhere, at any time. New features in this latest release include Remote Workstation Control, network interface card monitoring and scheduled RAID synchronization.*

• *ServerGuide makes system setup and network operating system installation easier, faster and more economical.*

Service

• *Ensure your networked business systems stay up and running with the same level of support available for larger systems with industry-leading three-year on-site limited warranty.*

• *IBM SystemCare offers a wide range of hardware and software services, extended support and financing in a single package, with a single monthly payment.*

• *PC Server Start Up Support from IBM provides a single point of contact during system installation for major network operating systems, applications and options.*

. . . Just better business

A solid foundation for your networked business applications

The world of business-critical computing has changed, with customers moving many of these applications to industry-standard platforms. You can confidently build your applications on a reliable foundation that offer power, scalability, control and service.
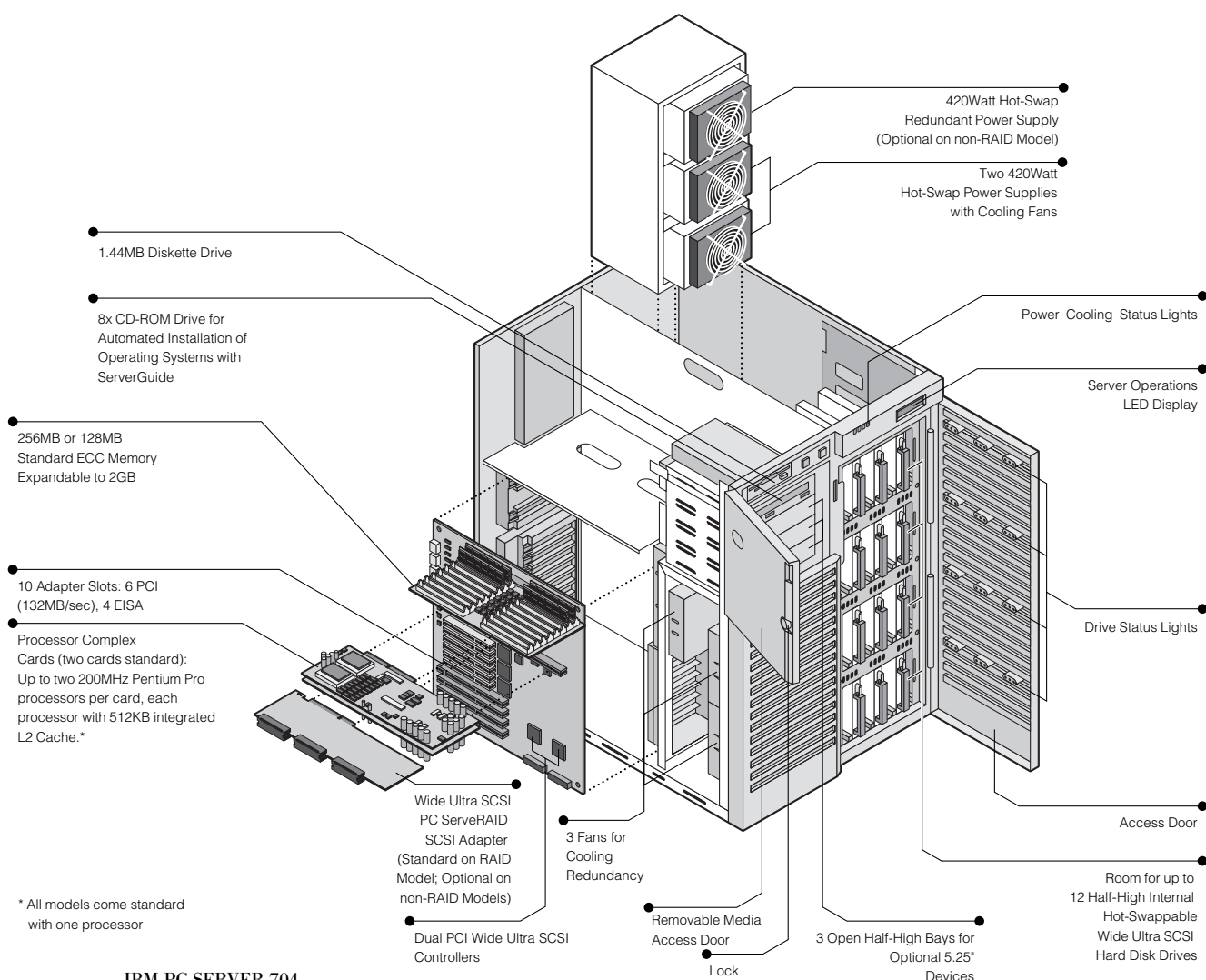
In delivering the IBM PC Server 704, we've drawn on years of experience providing business-critical solutions. The result is a superserver that boasts an unprecedented combination of high performance, scalability, comprehensive manageability and high availability.

A balanced system design, where all of the subsystems are optimized, is one reason the IBM PC Server 704 is able to deliver the performance required to run the resource-hungry client/server systems that you and your business rely on. The 200MHz[1] Pentium Pro processor with 512KB L2 cache, upgradeable to four-way symmetrical multiprocessing (SMP), four-way interleaved memory, 2GB of memory capacity, wide Ultra SCSI support, and dual I20-ready PCI bus architecture make the IBM PC Server 704 the definitive platform for application and database serving, and the perfect foundation for a clustering solution. A solid foundation isn't just about power, it's also about availability. PC Server 704 offers RAID storage, error-correcting memory, redundant power supply and fans. In addition, the disk drives and power supplies are hot-swappable. And the IBM PC Server 704 support for redundant network interface cards like those from Adaptec gives you the option to create a high-availability network subsystem.

Advanced systems management

Now, the IBM PC Server 704 brings you large systems control in a networked environment. The latest release of NetFinity, IBM's premier systems management application, helps you reduce support costs, increase system availability and manage IT assets.

420Watt Hot-Swap Redundant Power Supply (Optional on non-RAID Model)

Two 420Watt Hot-Swap Power Supplies with Cooling Fans

Power Cooling Status Lights

Server Operations LED Display

Drive Status Lights

Access Door

Room for up to 12 Half-High Internal Hot-Swappable Wide Ultra SCSI Hard Disk Drives

3 Open Half-High Bays for Optional 5.25" Devices

Lock

Removable Media Access Door

3 Fans for Cooling Redundancy

Dual PCI Wide Ultra SCSI Controllers

Wide Ultra SCSI PC ServeRAID SCSI Adapter (Standard on RAID Model; Optional on non-RAID Models)

* All models come standard with one processor

Processor Complex Cards (two cards standard): Up to two 200MHz Pentium Pro processors per card, each processor with 512KB integrated L2 Cache.*

10 Adapter Slots: 6 PCI (132MB/sec), 4 EISA

256MB or 128MB Standard ECC Memory Expandable to 2GB

8x CD-ROM Drive for Automated Installation of Operating Systems with ServerGuide

1.44MB Diskette Drive

IBM PC SERVER 704

You can extend the remote manageability of the IBM PC Server 704 with the optional PC Server Advanced Systems Management Adapter.[3] Its dial-in/dial-out feature provides remote power on/power off and remote Initial Program Load (IPL). You can maintain control of your network business systems from anywhere, at any time.

Strength in collaboration

The IBM PC Company is committed to applying industry-standard technology in innovative ways that anticipate tomorrow's advancements. One way we pursue this goal is through alliances with other industry leaders. For example, IBM has alliances with Microsoft, Intel, Lotus, Novell, SCO and SAP.

- With Microsoft, we provide the best possible service, support and product integration for Windows NT-based business solutions on PC Servers.
- With Intel, we ensure that PC Servers are designed to take full advantage of Intel's state-of-the-art processors.

- Lotus offers optimized Lotus Notes, and now Lotus Domino, both of which are included with all IBM PC Servers at no additional charge.
- Novell ensures compatibility and certification of new IBM PC Server technology.
- SCO creates robust, business-critical server solutions.
- SAP optimizes both parties' offerings through mutual technological exchange. The SAP certified PC Server 704 was rigorously tested to verify that it offers the stability and reliability that SAP R/3 customers demand.

Help along the way

We have one of the largest worldwide networks of experts skilled in all aspects of PC Server support, from capacity planning and network management to disaster recovery and hot-site backup.

With the IBM PC Server 704, you get the same level of service and support that has helped make IBM a leading provider of high-end networked business systems.

To get you off to a great start, your PC Server 704 comes with PC Server Start Up Support, 90 days of hotline telephone assistance for IBM and selected non-IBM hardware components and network operating systems. If you're having trouble with Windows NT, Novell Netware, OS/2 or SCO/UNIX, for example, your call to the IBM HelpCenter is the only one you'll have to make. And don't forget: for the duration of your PC Server's three-year, on-site limited warranty, International Warranty Service[2] gives you access to experts at the IBM HelpCenter, 24 hours a day, seven days a week.

Through the PC Server Compatibility Program, IBM is working with leading industry vendors to test a broad range of adapters' compatibility. We help you reduce the configuration, installation and setup costs by giving you worldwide access to accurate, up-to-date compatibility information. Plus, you can get the latest device drivers from the ServerGuide CD-ROM library included with your PC Server, or download them from the World Wide Web or the IBM PC Company Bulletin Board System.

IBM PC Server 704 at a glance

Model	8650-4M0	8650-5M0	8650-6MM
Type			
Processor	200MHz Pentium Pro[1]	200MHz Pentium Pro[1]	200MHz Pentium Pro[1]
SMP support/Level 2 cache	4 x 200MHz Pentium Pro[1]/512KB per processor		
Memory subsystem Std/max 60ns ECC	128MB/2.0GB	256MB/2.0GB	256MB/2.0GB
Bus Architecture	PCI/EISA	PCI/EISA	PCI/EISA
Features	Dual PCI bus: 132MB/sec data transfer, data and address bus parity		
Expansion slots (total/available)	6/6 PCI 4/4 EISA	6/6 PCI 4/4 EISA	6/5 PCI 4/4 EISA
Standard adapters	Open	Open	PCI ServeRAID
Storage bays (total/available)	17/15	17/15	17/11
Hot-swap bays (total/available)	12/12	12/12	12/8
Drive controller	Dual Intergrated Fast/Wide SCSI; RAID Controller optional	Dual Intergrated Wide Ultra SCSI; RAID Controller optional	Dual Intergrated Wide Ultra SCSI; PCI ServeRAID Adapter
5.25" CD-ROM speed/type	4X SCSI	8X IDE	8X IDE
I/O ports	2 Serial, 1 Parallel, 1 Keyboard, 1 Mouse and 1 SVGA		
Power supply	Two 420Watt	Two 420Watt hot-swap	Three 420Watt hot-swap
Redundant power	420Watt hot-swap option	420Watt hot-swap option	Standard
Form Factor	Maxi tower; 27.4" (696mm) H x 18.0" (457mm) W x 24.8" (629mm) D		
Systems management	IBM NetFinity, QA Plus/Pro, APC Power Chute Plus		

Total Benefit of Ownership

IBM SystemCare is designed to help your business realize the total benefit of ownership from your technology investment by combining: industry leading manageability technologies, service from your IBM Business Partner and IBM, and total-package financing from IBM Credit Corporation that includes SystemCare Technology Exchange, a flexible and affordable way to update PC hardware after only two years.

Industry-standard solutions for business-critical computing

Today, PC servers are being used to store, process, and distribute business-critical data. That's something that didn't happen a few years ago, and IBM has been instrumental in bringing about this change. The IBM PC Server 704 assembles a unique combination of business computing technologies to reach the pinnacle of reliability, availability and manageability. Your company relies on its business-critical systems, so it makes sense to implement the most advanced client/server solutions available. Rely on the experts. Rely on IBM.

IBM Options

To help you customize your IBM PC Server products, IBM offers a variety of compatibility-tested server options.

Memory
- 32MB ECC SIMM 94G5878
- 64MB ECC SIMM 94G5879
- 128MB ECC SIMM 94G6682

Networking
- PCI Token-Ring Adapter 41H8900
- Auto 16/4 Token-Ring ISA Adapter 73G2032
- PCI Ethernet Adapter 13H9237
- 10/100 PCI Ethernet Adapter ... 25H4374
- 10/100 PCI Ethernet Adapter w/Wake on LAN 85H9921

For compatibility information and a complete list of options, visit our Web site at www.pc.ibm.com/options.

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[1] Processor speeds shown indicate the internal clock speed of the microprocessor; other factors also effect application performance.

[2] Limited warranty includes Warranty Service in those countries where this product is sold by IBM or IBM Business Partners (registration required). For information or copies of IBM's Statement of Limited Warranty, please call 1-800-772-2227 or contact your IBM representative or reseller. Copies are available upon request.

[3] Available third quarter 1997.

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IBM PC Servers are assembled in the U.S., Great Britain, Japan, Australia and Brazil and are comprised of U.S. and non-U.S. parts.

Your equipment is subject to FCC rules. It will comply with the appropriate FCC rules before final delivery to the buyer.

For Position Only

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