

IBM *@server* iSeries Model 270



Highlights

- ***Multiple workloads on a single server for simplified management***
- ***Dramatic growth options within the Model 270 and expansion options let you start modestly and grow as your needs do***
- ***Power and flexibility for e-business and core business applications***
- ***Industry's smallest and least expensive server to support dynamic logical partitioning***

Innovative technology

In today's fast-paced world, you need to know your technology is reliable, up-to-date and able to meet the demands of a complex multi-workload environment. Whether you run core business applications, new e-business applications or a mix of both, the IBM *@server* iSeries Model 270 offers industry-leading technology, new tools for today's mixed workloads and the flexibility to accommodate your individual business needs.

iSeries was first in the industry to deliver copper and silicon-on-insulator (SOI) processors. Now, with the latest release of Operating System/400® (OS/400®) V5R1, the iSeries Model 270 uses that technology to increase performance and double memory capacity. New dynamic logical partitioning (LPAR), Linux® support and Operations Navigator graphical interface enhancements deliver even more tools to help you compete and win in today's e-business world.

In addition, there are hot-pluggable PCI I/O slots on some Model 270 processors that allow you to add new features and provide the ability to easily perform concurrent maintenance without the need to restart the server. All in all, you're getting enterprise-level computing at an affordable price.

Hardware flexibility: the server that fits your needs

The Model 270 is ideal for businesses looking to extend their core business applications and leverage new e-business technologies. This can be easily achieved through a single footprint or by dedicating compute-intensive workloads on a standalone Model 270. And as your future needs grow, it is easy and cost-effective to upgrade your investment by leveraging growth paths offered within the Model 270.



IBM @server iSeries Model 270

With leading IBM microprocessor technology, the Model 270 provides the power to handle complex workloads. The Model 270 offers four processor options with a range of performance—over 15 times top to bottom—for compute-intensive applications such as collaboration, e-commerce, business intelligence, Web serving, Linux and Java™.¹ The Model 270 also offers a wide range of capacity to run core business and back-end database processing, as well as a choice of performance options for applications requiring 5250 interactive performance.

The Model 270 can accommodate up to 16 GB of main storage, and up to 420 GB of disk storage. In addition, this server offers up to 13 PCI slots for I/O expansion.

Application flexibility: Your business, your choice

Server Consolidation on the iSeries provides advanced manageability and ease of use for a wide variety of mixed workloads. The Model 270 supports native iSeries applications, plus Linux, Java, Domino™, Microsoft® Windows 2000®, Windows NT® and UNIX® applications simultaneously. With V5R1, the Model 270 delivers enhanced logical partitioning (LPAR) that allows you to dynamically reallocate resources across multiple application environments. This means that you can run more applications on fewer servers without the complexity of server farms.

A new, more powerful Integrated xSeries Server lets you put up to three Windows 2000 or NT servers right inside your iSeries so you can manage them all from your Model 270. And with the Integrated xSeries Adapter, you can direct-attach up to two 1- to 4-way xSeries servers and manage them from your Model 270, just as if they were internally installed.

In addition to line-of-business OS/400 applications, the Model 270 supports Linux, allowing you to run PowerPC® Linux applications while taking advantage of iSeries reliability and scalability. The iSeries HTTP server (powered by Apache) offers a full implementation of Apache 2, completely integrated with iSeries systems management and security tools. And there is enhanced support for Domino applications and 64-bit AIX® applications via OS/400 Portable Application Solutions Environment (OS/400 PASE).

The iSeries also lets you choose from an industry-leading portfolio of business-to-business (B2B), business-to-consumer (B2C), customer relationship management (CRM) and supply chain management (SCM) applications from leading providers around the world.

Freedom from complexity

The iSeries provides an intuitive graphical interface, Operations Navigator, that helps simplify advanced operations through visualization, wizards and operational integration.

Storage management is at the core of iSeries architecture and is another feature that makes the iSeries simple to manage. Unlike most servers, single-level store or virtual addressing means that there is no distinction between main memory or disk units from the standpoint of a user or application. The user never assigns disk storage. It's all transparent. And new Fibre Channel Adapters increase the storage options for the iSeries by allowing it to participate in a Storage Area Network (SAN) environment.

Extreme Support Personalized (E.S.P.)

The iSeries delivers personalized service and support that helps you keep your business running at peak availability and performance. A key component of this is the Universal Connection—a safe, secure way for you to link to IBM over the Internet and receive useful, timely assistance that's customized for your unique system configuration. You can connect with the integrated modem provided with the base product or via a high-speed network connection.

Through automated support, proactive tools and personalized assistance, the iSeries offers world-class customized support—support that goes the extra mile to give you peace of mind.²

iSeries Model 270

Processor Feature	2248	2431	2432	2434
Number of Processors	1	1	1	2
Processor CPW	150	465	1,070	2,350
Logical Partitioning (LPAR)	No	Yes	Yes	Yes
Linux Ready	No	Yes	Yes	Yes
Integrated 1-way xSeries Server (Max)	3	3	3	3
External 4-way xSeries Adapter (Max)	2	2	2	2
Disk Arms (Max)	24	24	24	24
Disk Capacity (Max)	840 GB	840 GB	840 GB	840 GB
Main Memory (Max)	4 GB	8 GB	8 GB	16 GB
5250 Interactive CPW (Min/Max)	25/25	30/30	0/50	0/70

¹ Relative performance measurements are derived from commercial processing workload (CPW) on iSeries. CPW is representative of commercial applications, particularly those that do significant database processing in conjunction with journaling and commitment control. CPW values may not be realized in all environments.

PROCESSOR CPW—Maximum relative performance for this processor feature running commercial processing workloads. This value, stated as Client/Server CPW in previous releases, can be used to compare relative performance between various processor features.

INTERACTIVE CPW—Relative performance available to perform 5250 interactive workloads. The amount of interactive CPW consumed will reduce the available processor CPW by the same amount.

For more information

Visit ibm.com/eserver/series/hardware/270/01 or contact your IBM Marketing Representative or IBM Business Partner.



© Copyright IBM Corporation 2002

IBM Corporation
Integrated Marketing Communications,
Server Group
Route 100
Somers, NY 10589

Published in the United States of America
2-02

All Rights Reserved

References in this publication to IBM products or services do not imply that IBM intends to make them available in every country in which IBM operates. Consult your local IBM business contact for information on the products, features and services available in your area.

IBM, the IBM logo, the e-business logo, AIX, iSeries, Operating System/400, OS/400, PowerPC and xSeries are trademarks or registered trademarks of International Business Machines Corporation.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds.

Lotus and Domino are trademarks or registered trademarks of Lotus Development Corporation.

Microsoft, Windows, Windows NT, Windows 2000 and the Windows logo are registered trademarks of Microsoft Corporation.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other trademarks and registered trademarks are the properties of their respective companies.

IBM hardware products are manufactured from new parts, or new and used parts. Regardless, our warranty terms apply.

Photographs shown are of engineering prototypes. Changes may be incorporated in production models.

This equipment is subject to all applicable FCC rules and will comply with them upon delivery.

Information concerning non-IBM products was obtained from the suppliers of their products and does not constitute an endorsement of such products by IBM. Questions on the capabilities of the non-IBM products should be addressed to the suppliers.

² Contact your IBM Services representative for detailed information on service offerings and pricing.