

A fast, reliable and secure system to help simplify your IT environment



IBM System i5 570 and 595



Highlights

- ***Integrated management reduces IT complexity***
- ***Efficient use of resources increase utilization***
- ***Preserves existing hardware and software investment***

Medium and large corporations face increasingly complex IT environments created by the ever-growing number of servers required to run even a single business application. Anticipating this concern, IBM® developed the System i5™ platform—IBM's premier integrated and highly secure system designed to simplify your IT environment. The System i5 family is designed to help you reduce the number of

servers, reduce management costs and reduce maintenance and licensing costs—opening the door for reinvestment into business growth.

A completely scalable, upgradeable hardware architecture helps support balanced growth from 2/4-way model 570 all the way to a 32/64-way model 595. Coupled with advanced virtualization technologies, these systems run multiple operating systems and application environments simultaneously—including IBM i5/OS®, Linux®, IBM AIX 5L™, Microsoft® Windows®¹, Java™, WebSphere® and Lotus® Domino® software. With the capacity to support up to ten dynamic logical partitions (LPARs) per processor, the System i5 family can help you simplify your IT environment by allowing you to deploy new applications, consolidate operations, and meet service level agreements.

Achieve leadership performance and efficiency with IBM POWER architecture

Based on advanced POWER5™ processors—the ninth and tenth generations of IBM 64-bit processor technology—the System i5 family enables you to easily upgrade your processing power, while preserving existing software investments. The proven, open and flexible design of POWER® processors builds on the AS/400 iSeries family tradition of integration, virtualization and outstanding systems management technology to bring new levels of functionality and simplicity. And, of course, these new systems can often be upgraded from earlier models.

Highly configurable options packages provide versatility

To simplify the decision making process and maximize business value, System i5 models come in flexible packages called Editions: the most commonly chosen are the Standard Edition and the Enterprise Edition. Each Edition incorporates a set of software licenses and hardware features designed to help meet the unique business demands of your medium to large enterprise.

The Standard Edition includes i5/OS processor licensing, supports Web-based applications and runs multiple operating systems and LPARs simultaneously. The Enterprise Edition extends the capabilities of the Standard Edition with a range of additional software plus services/education vouchers. The Enterprise Edition also includes support for 5250 OLTP applications.

Two specialized Editions, optimized for your business continuity requirements, are also available. The High Availability Edition and Capacity BackUp Edition.

System i5 570 at a glance

Processor	2/4-way POWER5+	4/8-way POWER5+	8/16-way POWER5+	2/16-way POWER5+
Edition	Standard, Enterprise, High Availability	Standard, Enterprise, High Availability	Standard, Enterprise, High Availability	Capacity BackUp
Processor CPW	8400 - 16000	16700 - 31100	31100 - 58500	8100 - 58500
5250 OLTP CPW²	0 to maximum	0 to maximum	0 to maximum	maximum
Memory (max)	64GB	256GB	512GB	512GB
Disk capacity (max)³	77TB	116TB	193TB	193TB
Disk drives (max)	546	822	1374	1374
i5/OS	Included ⁴	Included ⁴	Included ⁴	Included ⁵
Software tier	P30	P40	P40	P40
Windows Server¹, Linux, AIX 5L capable	Yes	Yes	Yes	Yes
Rack-optimized design	Yes	Yes	Yes	Yes
Integrated xSeries[®] Servers (max)	36	48	48	48
Integrated xSeries Adapters (max)	16	32	57	57
Micro-partitions (max LPARS – i5/OS, AIX 5L, Linux)	40	80	160	160
High speed link (RIO/HSL) loops (max)	2	4	8	8
I/O towers/drawers (max)	12	24	48	48
PCI card slots (max)	173	353	695	695
LAN ports (max)	96	128	128	128

¹ Via an Integrated xSeries Adapter or Integrated xSeries Server

² Standard Edition comes with Zero (0) 5250 OLTP CPW. Enterprise Edition offers 5250 CPW up to the processor maximum based on the number of activated processors, i5/OS licenses and Enterprise Enablement features.

³ Disk Capacity is truncated not rounded.

⁴ One i5/OS processor license is included. Other processor licenses available as required.

⁵ Two i5/OS processor licenses are included. Other processor licenses available as required.

System i5 595 at a glance

Processor	8/16-way POWER5	16/32-way POWER5	32/64-way POWER5	4/32-way POWER5
Edition	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise	Capacity BackUp
Processor CPW	26700 - 50500	51000 - 92000	92000 - 184000 ⁴	13600 - 92000
5250 OLTP CPW¹	0 to maximum	0 to maximum	0 to maximum	maximum
Memory (max)	512GB	1TB	2TB	1TB
Disk capacity (max)	228TB	381TB	381TB	381TB
Disk drives (max)²	1620	2700	2700	2700
i5/OS	Included (4 processor licenses)	Included (4 processor licenses)	Included (4 processor licenses)	Included (4 processor licenses)
Software tier	P50	P60	P60	P60
Windows Server³, Linux, AIX 5L capable	Yes	Yes	Yes	Yes
Integrated xSeries Servers (max)	60	60	60	60
Integrated xSeries Adapters (max)	48	57	57	57
Micro-partitions (max LPARS – i5/OS, AIX 5L, Linux)	160	254	254 ⁴	254
High speed link (RIO/HSL) loops (max)	7	15	31	15
I/O towers/drawers (max)	36	72	96	72
PCI card slots (max)	504	1008	1152	1008
LAN ports (max)	160	160	160	160

¹ Standard Edition comes with Zero (0) 5250 OLTP CPW. Enterprise Edition offers 5250 CPW up to the processor maximum based on the number of activated processors, i5/OS licenses and Enterprise Enablement features.

² Maximum of 2000 drives per i5/OS partition

³ Via an Integrated xSeries Adapter or Integrated xSeries Server

⁴ Maximum of 32 processors per i5/OS

For more information

To learn more about the IBM System i5 570 or 595 contact your IBM representative, IBM Business Partner or visit the following Web site:

ibm.com/systems/i



© Copyright IBM Corporation 2006

IBM Systems Group
Route 100
Somers, NY 10589

Produced in the United States
January 2006
All Rights Reserved

IBM, the IBM logo, System i5, the e-business logo, AIX 5L, Domino, **@server**, **@server** i5, **@server** iSeries, i5/OS, iSeries, Lotus, Operating System/400, POWER, POWER5, Virtualization Engine, WebSphere and xSeries are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries or both.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows and Windows Server are trademarks of Microsoft Corporation in the United States, other countries or both.

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

Other company, product and service names may be trademarks or service marks of others.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may not be new and may have been previously installed. Regardless, IBM warranty terms apply.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates.

¹Via an Integrated xSeries Adapter or Integrated xSeries Server