

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



IBM System i 570 and 595



Highlights

- ***Integrated management that can reduce IT complexity***
- ***Designed for efficient use of resources for increasing utilization***
- ***Preserve 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 i™ platform—IBM's premier integrated and highly secure system designed to simplify your IT environment. The System i 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 the 2/4-way model 570 all the way to a 32/64-way model 595. With advanced virtualization technologies, these systems run multiple operating systems and application environments simultaneously—including IBM i5/OS®, Linux®, IBM AIX 5L™, Microsoft® Windows®, Java™, WebSphere® and Lotus® Domino® software. With the capacity to support up to ten dynamic logical partitions (LPARs) per processor, the System i 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 IBM POWER5™ processors—the tenth generation of IBM 64-bit processor technology—the System i family enables you to easily upgrade your processing power, while preserving existing software investments. The proven, open and flexible design of IBM POWER® processors builds on the IBM iSeries™ and IBM AS/400® 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 i 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.

System i 570 at a glance (2.2 GHz)

Processor	2/4-way POWER5+	4/8-way POWER5+	8/16-way POWER5+
Edition	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise
Processor CPW	8400 – 16000	16700 – 31100	31100 – 58500
5250 OLTP CPW²	0 to maximum	0 to maximum	0 to maximum
Memory (max)	64 GB	256 GB	512 GB
Disk capacity (max)³	77 TB	116 TB	193 TB
Disk drives (max)	546	822	1374
i5/OS	Included ⁴	Included ⁴	Included ⁴
Software tier	P30	P40	P40
Windows Server¹, Linux, AIX 5L capable	Yes	Yes	Yes
Rack-optimized design	Yes	Yes	Yes
iSCSI adapters (max)	42	84	126
Integrated xSeries[®] Servers (max)	36	48	48
Integrated xSeries Adapters (max)	16	32	57
Micro-partitions (max LPARS – i5/OS, AIX 5L, Linux)	40	80	160
High speed link (RIO/HSL) loops (max)	2	4	8
I/O towers/drawers (max)	12	24	48
PCI card slots (max)	173	353	695
LAN ports (max)	96	128	128

Specialized Capacity BackUp Editions, optimized for your business continuity requirements, are also available. These systems emphasize on Demand processor capability to match the continuity needs of your business.

System i 570 CBU Editions at a glance (2.2 GHz)

Processor	1/4-way POWER5+	1/8-way POWER5+	2/16-way POWER5+
Edition	CBU	CBU	CBU
Processor CPW	4200 – 16000	4200 – 31100	8100 – 58500
5250 OLTP CPW²	0 to maximum	0 to maximum	0 to maximum
Software tier	P20	P30	P30

¹ Using IBM System i integration with IBM BladeCenter[®] or System x[™]

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. CBU Editions are available to match Standard or Enterprise Editions' 5250 OLTP CPW.

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 i 595 at a glance (2.3 GHz)

Processor	8/16-way POWER5+	16/32-way POWER5+	32/64-way POWER5+
Edition	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise
Processor CPW	31500 – 58800	61000 – 108000	108000 – 216000 ⁴
5250 OLTP CPW¹	0 to maximum	0 to maximum	0 to maximum
Memory (max)	512 GB	1 TB	2 TB
Disk capacity (max)	228 TB	381 TB	381 TB
Disk drives (max)²	1620	2700	2700
i5/OS	Included (4 processor licenses)	Included (4 processor licenses)	Included (4 processor licenses)
Software tier	P50	P50	P60
Windows Server³, Linux, AIX 5L capable	Yes	Yes	Yes
iSCSI adapters	168	168	168
Integrated xSeries Servers (max)	60	60	60
Integrated xSeries Adapters (max)	48	57	57
Micro-partitions (max LPARS – i5/OS, AIX 5L, Linux)	160	254	254 ⁴
High speed link (RIO/HSL) loops (max)	7	15	31
I/O towers/drawers (max)	36	72	96
PCI card slots (max)	504	1008	1152
LAN ports (max)	160	160	160

Specialized Capacity BackUp Editions, optimized for your business continuity requirements, are also available. These systems emphasize on Demand processor capability to match the continuity needs of your business.

System i 595 CBU Editions at a glance (2.3 GHz)

Processor	2/16-way POWER5+	4/32-way POWER5+
Edition	CBU	CBU
Processor CPW	8100 – 58800	16000 – 108000
5250 OLTP CPW¹	0 to maximum	0 to maximum
Software tier	P50	P50

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. CBU Editions are available to match Standard or Enterprise Editions' 5250 OLTP CPW.

² Maximum of 2000 drives per i5/OS partition

³ Using IBM System i integration with IBM BladeCenter or System x

⁴ Maximum of 32 processors per i5/OS partition

For more information

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

ibm.com/systems/i



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April 2007
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¹ Using IBM System i integration with IBM BladeCenter or System x