

Simplification, integration and manageability with the world's most powerful iSeries system



IBM @server® iSeries 595



Highlights

- ***Exceptional scalability and power help advance business innovation***
- ***Integrated management helps reduce complexity and increase the range of applications available to enable business breakthroughs***
- ***Efficient use of resources helps boost productivity and lower management costs***

In today's on demand world, 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 growing concern, we developed the IBM @server® iSeries™ family—one of the most complete, integrated and secure systems available today. Now companies can reduce their number of servers, reduce

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

Designed for the challenging requirements of large enterprises, the IBM @server iSeries 595 system helps businesses effectively manage IT service level commitments. A highly scalable, upgradeable, building block architecture helps support balanced growth from 8-way to 64-way servers. And our Capacity on Demand features enable companies to switch on extra power at a moment's notice to handle surges in demand.

Advanced virtualization technologies enable iSeries 595 systems to run multiple operating systems and application environments simultaneously—including IBM i5/OS™, Linux®, IBM AIX 5L™, and Microsoft® Windows® (via an IXA or IXS). With the capacity to support up to 10 dynamic logical partitions (LPARs) per processor, iSeries systems can help

simplify environments by allowing companies to deploy multiple applications in multiple environments on a single, highly flexible, resilient system.

Achieve leadership performance and efficiency with IBM POWER architecture

Based on IBM POWER5™ processors—the ninth generation of IBM 64-bit processor technology—iSeries systems can enable large businesses to seamlessly upgrade processing power, while preserving existing software investments. The proven, open and flexible design of POWER® processors builds on the 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 be upgraded from earlier iSeries systems.

Highly configurable options packages provide versatility

To help simplify the decision process and maximize business value, iSeries systems come in flexible Editions. The Standard and Enterprise Edition are the most popular. Each edition incorporates a set of software licenses and hardware features designed to help meet the demands of large enterprises.

The Standard Edition includes four i5/OS processor licenses, supports Web-based applications (including modernized 5250 OLTP 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 and hardware features, including data center management and e-business tools. The Enterprise Edition also includes support for 5250 OLTP applications.

iSeries 595 at a glance

Processor	8/16-way POWER5	16/32-way POWER5	32/64-way POWER5
Edition	Standard, Enterprise	Standard, Enterprise	Standard, Enterprise
Processor CPW	24500 to 45500	46000 to 85000	86000 to 165000
5250 OLTP CPW ¹	0 to maximum	0 to maximum	0 to maximum
Memory (max)	512GB	1TB	2TB
Disk capacity (max)	228TB	381TB	381TB
Disk drives (max)	1620	2700	2700
i5/OS	Included (4 processor licenses)	Included (4 processor licenses)	Included (4 processor licenses)
Software tier	P50	P60	P60
Windows Server ² , Linux, AIX 5L capable	Yes	Yes	Yes
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
High speed link (RIO/HSL) loops (max)	6	12	24
I/O towers/drawers (max) ³	36	72	72
PCI card slots (max)	504	1008	1008
LAN ports (max)	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 Via an Integrated xSeries Adapter or Integrated xSeries Server

³ The installed combination of I/O Towers and Drawers plus Integrated xSeries Adapters cannot exceed nine per HSL loop.

For more information

To learn more about the IBM @server
iSeries 595 system contact your
IBM representative, IBM Business
Partner or visit the following Web site:

ibm.com/eserver/series



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