

One business system for virtually any application, exceptional price/performance



IBM System i5 520



Bottom line:

Many small- and mid-sized companies are facing the challenge of an overly complex IT environment. As your business grows, your computing needs increase. Implementing new applications can mean adding more servers, which increases spending and staffing requirements. Now more than ever, you need a system that can help you become more responsive to your customers, improve productivity, operate without interruption and secure your data and systems—all without making large upfront investments in time, skills or money. You need a business system that is there when you need it and grows with your business. The IBM System i5™ family can deliver the power and capacity to run new and existing core business applications on a single system, to easily integrate and simplify your IT environment. The System i5 platform delivers a complete business system with the features and functions you need built in, making it the most cost-effective business system.

Highlights

- *Can simplify your environment by reducing the number of servers and associated staffing required so you can reinvest the savings to grow your business*
- *Runs a broad set of over 6,400 leading, industry applications from more than 2,500 ISVs*
- *Gives you a complete, integrated system that provides a secure, reliable way to become an On Demand Business*
- *Virus resistant by design, the i520 helps save money by avoiding multiple security patches throughout the year, as well as reducing concern about company data security being compromised*

By design, the System i5 family is highly secure and virus resistant. It supports proven, industry-specific solutions from IBM Business Partners with innovative IBM technology and the capability to run all popular operating systems and application environments on one system. System i5 offerings provide flexible pricing and a keen focus on delivering value in your business. The result is a simple, affordable solution with outstanding capability, price performance, reliability and manageability, legendary security and the flexibility to start small and grow to meet new business demands.

A powerful business system at an attractive price

One member of the System i5 line-up is the model 520. It is an optimal business system for running core business applications plus the capability of supporting On Demand Business requirements. IBM is committed to supporting innovative business applications from our world-class portfolio of ISVs. To encourage this innovation, entries in the 520 product lineup bring improved price and balanced performance for both core and new business applications.

You can choose from a robust portfolio of industry applications and solutions to help you better manage your business. The 520 is easy to expand and provides the architecture for application maintenance with limited impact on your business. This 520 provides the ability to support a broad range of core business applications and consolidate or add new applications to extend capabilities and collaboration across the value chain.

Get more out of your investment

Your IT budget is limited and IT staff is small. With the System i5 family, everything you need to run your business applications is integrated into a single system. With database, security, performance tuning, backup, reporting, communications and Internet connectivity built in, the System i5 platform is designed to be easy to operate, easy to maintain and easy on your budget.

The System i5 offers you the ability to dynamically add processing capacity for running additional applications on the 520 1/2-way and on the Value Edition servers. You can double the processing power of your server by either permanently activating the second processor of your 1/2-way server or you can use the On/Off Capacity on

Demand capabilities just during peak times. Thus you only pay for the processing power when you activate it. Value Edition allows you to purchase the 520 with the performance to run your current, core applications and then as your business requires new applications, you can upgrade on demand using the Accelerator to provide the ability to support a broad range of core business applications and consolidate or add new applications to extend capabilities and collaboration across the value chain.

System i5 offerings can help companies reduce complexity, simplify their IT environments and reduce their total cost of ownership (TCO). With multiple growth options and upgrades available, companies can start small and expand their i520 Express as business needs grow. System i5 solutions deliver superior customer value on a single system.

Simplify your IT environment and run virtually any application

The System i5 520 can simplify IT environments by running multiple applications and multiple operating systems concurrently on a single system. Advanced virtualization technologies allow the System i5 platform to run IBM i5/OS®, Linux®, IBM AIX 5L™,

Microsoft® Windows®, IBM Workplace and Lotus® Domino® software. This enables companies to choose from a broad selection of applications and consolidate operations on a single, highly flexible and reliable system with outstanding price/performance.

With the capacity to support up to 10 dynamic logical partitions (LPARs) per processor, the i520 can provide extensive flexibility for businesses running applications in a variety of operating environments. Running several operating environments on the same system can reduce the management cost and complexity compared to a typical server farm—and in turn—deliver faster return on investment and lower cost of ownership.

Run your business securely and continuously

Trust System i5 to help protect your business information. They have integrated security management and application programming interfaces (APIs) to support real-time virus scanning tools for a solid line of defense. The System i5 family has a reputation for being a highly virus-resistant system.

Advanced technology built into the System i5 platform can help automate monitoring to ensure high availability and prevent downtime. For example, the system can proactively alert IBM to problems—often without requiring human intervention. In some cases, IBM may even be able to correct errors before an administrator spots them, greatly reducing troubleshooting time, lowering staffing costs and limiting service interruptions.

Connect with your customers, suppliers and partners

Innovative small- and mid-sized companies want to achieve a level of seamless integration with suppliers, partners and customers to deliver better responsiveness and a superior customer experience. With the integration of IBM WebSphere® Application Server Express and WebSphere Development Studio, the System i5 family allows you to easily extend your core business applications to the Web.

Select from a range of flexible options

The System i5 520 is offered in a wide range of versatile choices. It provides a choice of 1-way or 1/2-way IBM POWER5 processors starting at 600 CPW (Commercial Processing Workload) and ranging up to 7100 CPW; up to 32GB of memory; and 39TB of disk storage. The base configuration offers the ability to add features and capabilities as your business needs change, while other options come complete with licensing for e-business and data management tools, the ability to run 5250 On Line Transaction Processing (OLTP) applications, and many additional features.

The System i5 520 is ideal for companies that need an affordable, easy-to-use system with the flexibility to grow and adapt quickly to new business demands. Flexible finance options featuring IBM low-rate financing are available through IBM Global Financing. The IBM System i5 520—combined with industry-specific applications and services from IBM Business Partners as well as low monthly lease rates and financing from IBM—provides a complete, robust solution.

System i5 520 at a glance

Processor	1-way POWER5+	1-way POWER5+
Edition	Value	Value
Processor CPW (with CoD)	600 (3100)	1200 (3800)
5250 OLTP CPW	30	60
L3 cache	0	36MB
Memory (max)	32GB	32GB
Disk capacity (max)	39TB	39TB
Disk drives (max)	278	278
i5/OS	Included	Included
Software tier	P05	P10
Windows Server,¹ Linux, AIX 5L capable	Yes	Yes
Tower or rack design	Both	Both
Integrated xSeries Servers (max)	18	18
Integrated xSeries Adapters (max)	8	8
Micro-partitions (max LPARS - i5/OS, AIX 5L, Linux)	2/10 ¹	3/10 ¹
High speed link (RIO/HSL) Loops (max)	1	1
I/O towers/drawers (max)²	6	6
PCI card slots (max)	90	90
LAN ports (max)	36	36

¹10 with acceleration

System i5 520 at a glance

Processor	1-way POWER5+	1-way POWER5+	1-way POWER5+	1/2-way POWER5+
Edition	Enterprise, HA, Solution	Enterprise, HA	Standard	Standard, Enterprise, HA
Processor CPW	1200	2800	3800	3800/7100
5250 OLTP CPW	1200	2800	0	0 up to 7100
L3 Cache	36MB	36MB	36MB	36MB
Memory (max)	32GB	32GB	32GB	32GB
Disk capacity (max)	39TB	39TB	39TB	39TB
Disk drives (max)	278	278	278	278
i5/OS	Included	Included	Included	Included
Software tier	P10	P10	P10	P20
Windows Server¹, Linux, AIX 5L capable	Yes	Yes	Yes	Yes
Tower or rack design	Both	Both	Both	Both
Integrated xSeries Servers (max)	18	18	18	18
Integrated xSeries Adapters (max)	8	8	8	8
Micro-partitions (max LPARS - i5/OS, AIX 5L, Linux)	7	20	10	3
High speed link (RIO/HSL) Loops (max)	1	1	1	1
I/O towers/drawers (max)²	6	6	6	6
PCI card slots (max)	90	90	90	90
LAN ports (max)	36	36	36	36

For more information

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

ibm.com/systems/i/



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January 2006
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¹ Via an Integrated xSeries Adapter or Integrated xSeries Server—the installed combination of I/O Towers and Integrated xSeries Adapters cannot exceed nine.

² The installed combination of I/O Towers and Integrated xSeries Adapters cannot exceed nine.