

IBM System i 525 Express



Highlights

- ***Built-in operating system and database***
- ***Built-in virus resistance and security tools***
- ***Built-in backup and recovery tools***
- ***Built-in performance tuning***
- ***Web-based management with tools***
- ***Built-in Web server***
- ***Built-in Capacity on Demand***
- ***Optimized for small and mid-sized businesses***

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 may mean adding more servers, which can increase 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 i™ family can deliver the power and capacity to run multiple business applications on a single system; integrating different functions to simplify your IT environment. Because the System i platform delivers a complete business system with the features and functions you need built in, it can be an extremely cost-effective business system.

By design, the System i 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 numerous popular operating systems and application environments on one system. System i offerings provide flexible pricing with a keen focus on delivering value in your business. The result is a simple, affordable, highly capable solution featuring outstanding price performance, reliability and manageability, legendary security, and the flexibility to start small and grow to meet new business demands.

Get more out of your investment

Your IT budget is limited and IT staff is small. With the System i 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 i platform is designed to be easy to operate, easy to maintain, and easy on your budget.

The IBM System i 525 Express offers you the ability to dynamically add processing capacity for deploying additional applications on your system, quickly and easily. You can purchase the 525 Express with one processor activated to run your current applications, and then as your business

requires new applications, you can activate the second processor to meet those demands. The 525 Express provides the ability to support a broad range of business applications and consolidate or add new applications to extend capabilities and collaboration across the value chain.

System i 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 525 Express as business needs grow. System i solutions deliver superior customer value on a single system.

Protect system availability and ensure business continuity

Application requirements expand as companies grow. Businesses need intuitive, optimized management facilities every step of the way. A range of application management features incorporated into IBM System i offerings can help organizations meet these challenges by adjusting application workloads and performance dynamically—even automatically—in response to constantly shifting business priorities.

Trust the System i family to help protect your business information. Each system has integrated security management that integrates with real-time virus

scanning tools for a solid line of defense—giving the platform a well-earned reputation for being a highly virus-resistant system.

Advanced technology built into the System i family can help automate monitoring to ensure high availability and prevent downtime. For example, the system can proactively alert IBM to problems—often without 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.

Simplify your IT environment and run virtually any application

The System i 525 Express can simplify IT environments by running multiple applications and multiple operating systems concurrently on a single system. Advanced virtualization technologies allow the System i platform to run IBM i5/OS, Linux, IBM AIX 5L™ and Microsoft® Windows¹ operating systems. 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 20 dynamic logical partitions (LPARs) per processor, the 525 Express 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.

Enhance productivity by consolidating Windows operating system-based servers

Many small and mid-sized businesses run Microsoft Windows operating system-based applications on multiple Intel® processor-based servers. To help companies simplify their IT environments, enhance manageability, and boost productivity, System i platforms offer two options for consolidating Intel processor-based servers: 1) attaching external IBM System x™ systems using iSCSI adapters or Integrated IBM xSeries® Adapters or 2) installing Integrated xSeries Servers directly inside the System i platform. With these options, companies can benefit from both the security and reliability of the System i platform and the flexibility to run Windows operating system-based applications on the same system.

The virtualization capabilities of the System i platform also allow companies to share disks, tapes, and DVDs with

Windows operating system-based servers—making System i the central storage and backup/recovery system. The advanced System i storage architecture can provide more flexibility than conventional Windows operating system-based server implementations, in which dedicated disk drives are typically attached to every server and a network administrator must manage each server's capacity separately. With the System i disk system, all disks can be managed as a single pool of RAID-5 or mirrored, protected storage—helping to improve productivity by simplifying data administration and boosting storage utilization rates.

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 i family allows you to easily extend your core business applications to the Web.

Select from a range of flexible options

The System i 525 Express model is offered in three configurations. All configurations offer 2 IBM POWER5+™ processors, with one processor activated and one processor available on demand. These three configurations

come with different number of i5/OS user entitlements: 30, 150 and unlimited. All configurations are fully configurable and are expandable to 32 GB and 39 TB.

The System i 525 Express model also offers a Capacity BackUp (CBU) Edition. This CBU Edition is designed to support the entire range of disaster recovery and high availability requirements of System i clients. Groundbreaking new versatility enables CBU Editions to adapt to your evolving business needs. The System i 525 Express Capacity BackUp Edition comes with 2 IBM POWER5+ processors, with one processor activated and one processor available on demand. Also included in the configuration are 30 i5/OS user entitlements.

The System i 525 Express model 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 i 525 Express model—combined with industry-specific applications and services from IBM Business Partners as well as low monthly lease rates and financing from IBM—is a complete, robust solution.

IBM System i 525 Express at a glance

Offering	Express configuration 1	Express configuration 2	Express configuration 3	Capacity BackUp (CBU) configuration
Processor	1/2-way POWER5+™ 1.9 GHz	1/2-way POWER5+ 1.9 GHz	1/2-way POWER5+ 1.9 GHz	1/2-way POWER5+ 1.9 GHz
Processor CPW (base/max with CoD)	3800/7100	3800/7100	3800/7100	3800/7100
5250 OLTP CPW	3800/7100	3800/7100	3800/7100	3800/7100
Minimum Memory (max)	1 GB (32 GB)	1 GB (32 GB)	1 GB (32 GB)	1 GB (32 GB)
L3 cache	36 MB	36 MB	36 MB	36 MB
Minimum Disk drives (max number of drives)	2 (278)	2 (278)	2 (278)	2 (278)
Disk protection implemented in system unit	Mirroring or RAID-5	Mirroring or RAID-5	Mirroring or RAID-5	Mirroring or RAID-5
2 Ethernet LAN	Included	Included	Included	Included
1 WAN adapter	Included	Included	Included	Included
DAT72 4MM or QIC or LTO tape drive in system unit	Optional	Optional	Optional	Optional
DVD ROM or RAM drive	Optional	Optional	Optional	Optional
Twinax adapter	Optional	Optional	Optional	Optional
i5/OS®	Included (30 users)	Included (150 users)	Included (unlimited users)	Included (30 users)
IBM® Web Enablement and IBM Director for iSeries™	Included	Included	Included	Included
1-year software maintenance	Included	Included	Included	Included
Software tier	P10	P10	P10	P10
Linux®, Windows® Server, IBM AIX 5L™ capable	Yes	Yes	Yes	Yes

For more information

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