

IBM @server i5 550



Highlights

- ***Increase business flexibility and productivity with growth options up to a 4-way server***
- ***Reduce complexity and costs by managing multiple operating systems on a single server***
- ***Improve resource utilisation with dynamic Micro-Partitioning***
- ***Flexible, on demand price options for medium businesses.***

In today's on demand world, medium and large corporations face increasingly complex IT infrastructures and pressure to meet rising customer expectations with fewer resources and tighter budgets than ever before. A true on demand business is one that can respond effectively to market opportunities and external threats. How? Through an IT infrastructure that can adapt quickly to changing business objectives. We call this infrastructure an on demand operating environment.

Increase business flexibility and productivity

Designed for the requirements of medium-sized enterprises, the IBM @server i5 550 server – a new member of the IBM @server iSeries family – is specially designed to address the challenges of managing a complex IT infrastructure. The @server i5 550 can improve asset utilisation and provide flexible, on demand growth options. The @server 550 is a server with one to four IBM POWER5 processors supporting advanced Micro-Partitioning, virtualization, and management innovations. These IBM Virtualization Engine system technologies enable IBM @server i5 550 servers to run multiple operating systems and application environments simultaneously – including IBM i5/OS (the next generation of IBM Operating System/400), Linux®, IBM AIX 5L, Microsoft® Windows® (via an IXA or IXS), Java®, WebSphere and Lotus

Domino. Flexible, on demand price options enable low cost of acquisition and the flexibility to deploy the applications and operating systems you need as your business grows.

With Capacity on Demand, the @server i5 550 offers options for companies to adapt to changing requirements for processing power. Capacity on Demand enables companies to switch on extra processors or memory at short notice to handle surges in demand. Businesses in a variety of industries experience short-term spikes in processor utilisation. Now, instead of buying and maintaining excess capacity that goes unused most of the year, these companies can use On/Off Capacity on Demand to match processing needs to peak transaction loads.

Reduce complexity and costs

The IBM @server i5 550 servers incorporate IBM Virtualization Engine systems technology, which is designed to pool resources and optimise their

use across multiple application environments and operating systems. Through advanced dynamic Micro-Partitioning capabilities, IBM @server i5 550 servers can help support easy administration and rapid adjustment of i5/OS, Linux and AIX 5L workloads to changing business priorities – giving companies the freedom to run a wide variety of business applications without the costs and complexity often associated with managing multiple servers.

With the capacity to support up to ten dynamic micro-partitions per processor, IBM @server i5 servers can help simplify IT infrastructures by allowing companies to deploy new applications and consolidate operations on a single, highly resilient server. Micro-Partitioning enables IBM @server i5 servers to adjust pooled processor resources automatically across operating systems by borrowing processing power from idle partitions to help handle high transaction volumes in other partitions.

In addition, the @server 550 server offers powerful and highly cost-effective options to manage Intel® processor-based solutions. These options include the IBM Integrated xSeries Server (IXS) and xSeries servers attached via an IBM Integrated xSeries Adapter (IXA). Both products deliver tightly integrated, easily managed Intel server deployment solutions that help provide a cost-effective and efficient alternative to running multiple standalone servers. These Intel processor-based solutions can be used to manage both Windows and Linux workloads.

Simplify management of IT resources

The @server i5 550 delivers an advanced storage architecture that provides more flexibility than conventional UNIX®, Windows and Linux server implementations. Typical server farm implementations have dedicated disk drives attached to every server and a network administrator must manage each server's capacity separately. With the IBM @server i5 550 server, all disks can be managed

as a single pool of RAID-5 or mirrored, protected storage – helping to simplify data administration and improve productivity by boosting storage utilisation rates.

To help businesses manage their IT resources several tools are available to integrate the management of i5/OS, AIX 5L, Linux, and Windows on the **@server i5 550**. Facilities are available to centralise the management of partitions, storage resources, backup processes, activate Capacity on Demand resources, and automatically respond to events in your infrastructure.

Improve resource utilisation

Based on IBM POWER5 processors – the ninth generation of IBM 64-bit processor technology – IBM **@server i5 550** servers enable businesses to get the most from their computing resources. Instead of having islands of computing resources, **@server i5** dynamic logical partitioning (LPAR) allows processing resources to be automatically moved to where your business demands it. The **@server i5 550** can automatically optimise your IT resources for workloads that have peak processing requirements at different times – increasing utilisation rates, lowering your costs and simplifying the management of your infrastructure.

Editions designed to match your business

The **@server i5 550** comes with various Edition options, including Standard, Enterprise and Solution Editions, that are designed to meet the demands of a variety of medium-to-large size enterprises. Every 550 edition includes two activated processors, one i5/OS processor licence, and a WebSphere-Express processor licence.

Description	
Model	IBM @server i5 550
Processor	1- to 4-way POWER5
Edition	Standard, Enterprise or Solution
Processor Commercial Processing Workload (CPW)	3,300/12,000
5250 OLTP CPW	0 or Max
Memory (max)	64GB
Disk capacity (max)	38TB
Disk drives (max)	548
i5/OS included	Yes (1 processor licence)
Software tier	P20
Windows Server, Linux, AIX 5L Capable	Yes
Rack-optimised or desktide design	Both
Integrated xSeries servers (max)	36
Integrated xSeries Adapters (max)¹	16
LPARS (max i5/OS, AIX 5L, Linux)	40
High Speed Link (RIO/HSL) Loops (max)	2
Input/output (I/O) towers/drawers (max)¹	12
PCI cards slots (max)	173
LAN Ports (max)	96

¹ The installed combination of I/O Towers and Drawers plus Integrated xSeries Adapters cannot exceed 18.

For more information

To learn more about the IBM @server i5 550 server contact your IBM representative, IBM Business Partner or visit the following Web sites:

ibm.com/eserver/series

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