

IBM System x3450



Highlights

- **Features industry-leading technology to deliver maximum performance for minimal investment**
- **Helps manage growth, complexity and risk with large memory addressability and scalable systems**
- **Saves valuable real estate for large cluster deployments due to its 1U space-saving design**

Organizations need powerful servers that can deliver high performance—providing only necessary features. The IBM System x3450 provides maximum performance for a fixed investment, enabling organizations to run compute-intensive applications.

Innovation drives performance

The x3450 delivers high performance thanks to quad-core and dual-core processors with 1600 MHz front-side bus to speed I/O and 16 Fully Buffered DIMMs for large memory addressability. Both allow organizations to run applications more quickly.

The x3450 is designed with fewer general purpose features and minimal hardware component redundancies. Other highlights include:

- *16 DIMMs for better system performance ideal for compute-intensive applications.*
- *DDR II for power-efficient memory.*
- *Single non-redundant power supply for energy efficiency.*

Save costs by scaling out

The x3450 provides scalable memory solutions to accommodate expansion. Building on existing systems, organizations can plan for future growth while protecting their investment.

Compact design for high efficiency

The space-saving x3450 design helps provide more space for crowded data centers without compromising performance. High performance computing has expanded beyond universities and research organizations to become mainstream. The x3450 delivers the costs and performance needed in this expanding market.

IBM System x3450 at a glance

Form factor/height	Rack/1U
Processor (max)	Quad-Core Intel® Xeon® X5482 up to 3.20 GHz and up to 1600 MHz front-side bus or Dual-Core Intel Xeon X5272 up to 3.40 GHz and up to 1600 MHz front-side bus
Number of processors (std/max)	2/2
L2 cache	12 MB per socket
Memory ¹	Up to 64 GB (max) Fully Buffered DIMM 667 MHz, up to 64 GB (max) Fully Buffered DIMM 800 MHz
Maximum internal storage ^{1,2}	1.5 TB simple-swap SATA (3.5" drives)
Network interface	Integrated dual Gigabit Ethernet
Expansion slots	PCI-Express (1) x16 standard
Disk bays (total)	2
Power supply	600W capacity
Operating systems supported	Microsoft® Windows Server® 2003, Red Hat Linux®, SUSE Linux
Limited warranty ³	1-year customer replaceable unit and onsite limited warranty

For more information

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¹ Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest capacity supported drives available. When referring to variable speed CD-ROMs, CD-Rs, CD-RWs and DVDs, actual playback speed will vary and is often less than the maximum possible.

² GB and TB = 1,000,000,000 and 1,000,000,000,000 bytes, respectively, when referring to storage capacity. Accessible capacity is less.

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