

Entry 2-, 3- or 4-processor server for outstanding price, performance and power efficiency



IBM System x3755



Highlights

- ***The industry's only AMD Opteron™-based system capable of a three-processor configuration, delivering outstanding performance for lower cost***
- ***Outstanding leadership with IBM Xcelerated Memory Technology™***
- ***Deliver superb performance per watt with this cost-effective solution***

When is 3>4?

The IBM® System x3755 provides unmatched price, performance and energy efficiency with three quad-core AMD Opteron processors and IBM's exclusive CPU Pass Thru card. This innovative CPU Pass Thru card delivers near-linear performance and flexible configurations with headroom to grow in one-CPU increments— providing real savings while increasing performance. For instance, at a 34% lower cost¹ the x3755 with three processors plus the CPU Pass Thru card outperforms the four-processor Dell R900 by 7%^{2,3} and with 29% better performance/watt.⁴

Fully populated memory, full speed, full time

The x3755, using IBM's exclusive Xcelerated Memory Technology, is the only AMD Opteron-based four-socket server capable of running fully populated memory at a full 667 MHz. Competitive systems are forced to clock memory speed back to 533 MHz with fully populated DIMMs.^{5,6} The x3755 provides outstanding memory price performance for general purpose computing environments, mission-critical business applications and virtualized environments.

Easy to use

Features such as the pull-down light path diagnostics panel and IBM Predictive Failure Analysis® allow quick and easy identification of component failures, helping to maximize uptime. With light path diagnostics for major components such as hard disk drives, memory and CPU, along with fans, voltage regulator modules and power supplies, the x3755 delivers a full set of alerts to help keep your system running at maximum efficiency.

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IBM System x3755 at a glance

Form factor/height	4U
Processor (max)	Quad-Core AMD Opteron™ Model 8384 (up to 2.7 GHz)
Number of processors (std/max)	2/4
Cache (max)	6 MB L3
Memory ⁷ (max)	128 GB DDR II 667 MHz
Expansion slots	7 total: 4 PCI-Express (1) x16; (2) x8; (1) x4 and 2 PCI-X (133 MHz/100 MHz); 1 HTx
Disk bays (total/hot-swap)	4/4
Maximum internal storage ^{7,8}	1.2 TB (4 x 300 GB)
Network interface	Integrated dual Gigabit Ethernet
Power supply (std/max)	1500W (1/2)
Hot-swap components	Power supply, HDDs, cooling fans
RAID support	Integrated RAID-0, -1, -10, RAID-5 optional
Systems management	Baseboard Management Controller IPMI 2.0 standard, optional RSA II SlimLine
Operating systems supported	Microsoft® Windows® 2008 (32-bit/64-bit), Microsoft Windows 2003 (32-bit/64-bit), Red Hat Enterprise Linux® 5.0, SUSE Linux Enterprise Server 10.0
Limited warranty ⁹	3-year customer replaceable unit and onsite limited warranty

World Wide Web

U.S.	ibm.com/systems/x
Canada	ibm.com/systems/ca/en/servers/x/index.html

¹ Web pricing as of February 10, 2009.

² For more information visit ftp://software.ibm.com/eserver/benchmarks/news/newsblurb_x3755_specjbb_021009.pdf

³ For more information visit <http://spec.org/jbb2005/results/res2008q3/jbb2005-20080826-00523.html>

⁴ Using IBM Power Configurator and Dell DataCenter Capacity Planner

⁵ For more information visit http://h18004.www1.hp.com/products/quickspecs/13016_div/13016_div.html

⁶ For more information visit <http://support.dell.com/support/edocs/systems/per905/multlang/TS/HX598MR.pdf>

⁷ 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.

⁸ When referring to storage capacity, TB = 1,000,000,000,000 bytes. Accessible capacity is less.

⁹ IBM hardware products are made from new parts, or new and serviceable used parts. Regardless, our warranty terms apply. For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC 27709, Attn: Dept. JDJA/B203. IBM makes no representation or warranty regarding third-party products or services, including those designated as ServerProven® or ClusterProven®.

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