IBM System x3755

Highlights

- ***Achieve extreme performance for compute-intensive applications at an entry price***
- ***Outstanding leadership I/O performance through innovative HTx design***
- ***Deliver the best performance per watt with this cost-effective solution for High Performance Computing***

Superior performance, entry price

The IBM System x3755 provides breakthrough performance for High Performance Computing applications that demand maximum memory availability. With unique AMD design architecture, including integrated memory controller and HyperTransport technology, the x3755 is advantaged for applications requiring low latency and high speed access to memory data.

Investment protection with choice

With a choice of up to four dual-core processors, the x3755 is designed to deliver superior floating-point performance at an entry price. Flexible configurations allow customers to upgrade to meet their needs, optimizing for price or maximizing for performance. The x3755 provides investment protection with support for future quad-core processors, allowing customers to upgrade to the latest technology when it becomes available.

Memory availability

The x3755 excels at high-speed memory access—critical for High Performance Computing applications. It delivers the memory capacity and speed demanded by scientific and technical computing. Whether your business environment is running 32-bit or 64-bit applications, having access to your data quickly is critical. The x3755 provides maximum memory availability in a 4-socket system.

Easy to use

Ease of use and management features, such as the pull-down light path diagnostics panel, allow quick and easy identification of component failures, helping to maximize uptime. The x3755 provides some of the most comprehensive Predictive Failure Analysis® in the industry. With light path diagnostics for major components in the system such as hard disk drives, memory and CPU, along with fans, voltage regulator modules (VRMs) 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)	AMD Dual-Core Opteron Model 8220 (2.8 GHz)
Number of processors (std/max)	1/4 or 2/4
Cache (max)	1MB L2
Memory[1] (max)	128GB 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 (half-length)
Disk bays (total/hot-swap)	4/4
Maximum internal storage[1, 2]	1.2TB (4 x 300GB)
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® 2003 (32-bit/64-bit), Red Hat Enterprise Linux® 4.0 (32-bit/64-bit), SUSE Linux Enterprise Server 9.0 (32-bit/64-bit), VMware ESX Server 3.0
Limited warranty[3]	3-year onsite

For more information	
World Wide Web	
U.S.	**ibm.com**/systems/x
Canada	**ibm.com**/ca/en/systems/x
Xtended Design Architecture	**ibm.com**/servers/eserver/xda/index.html

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

[3] 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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