

## New xSeries 260 delivers leadership results on SPEC CPU2000 benchmark

August 24, 2005 ... The IBM® eServer™ xSeries® 260 is a 4-way SMP-capable server that features the 64-bit Intel® Xeon™ Processor MP at up to 3.66GHz with a 1MB L2 cache. The x260 has delivered top scores on SPEC CPU2000, which comprises the SPEC CFP2000 and SPEC CINT2000 benchmark suites.

The x260 server's SPECint and SPECfp scores are the best results published for a 4-way server using the Intel Xeon processor. For overall system throughput, the x260 server's SPECint\_rate2000 and SPECfp\_rate2000 scores are the best published for a 4-way server using a 3.66GHz Intel Xeon Processor MP.

The x260 achieved a SPECfp\_rate2000 score of 48.76, which is 36 percent better throughput than the HP DL580 G3 and 41percent better throughput than the Dell PowerEdge 6850. The x260 achieved a SPECint\_rate2000 score of 68.16, which is 18 percent better throughput than the HP DL580 G3 and 20 percent better throughput than the Dell PowerEdge 6850.(1)

The x260 server's scores for the 3.66GHz processor model, along with HP's and Dell's competitive scores, are summarized in the table.

SPEC CPU2000 Benchmarks	x260	HP DL580	Dell PE 6850	x260 % Better
SPECfp (1 x 3.66GHz processor)	1,717	1,340	1,303	28 % > HP 31% > Dell
SPECfp_rate2000 (4 x 3.66GHz processor)	48.76	35.6	34.4	36% > HP 41% > Dell
SPECint (1 x 3.66GHz processor)	1,567	1,398	1,377	12% > HP 13% > Dell
SPECint_rate2000 (4 x 3.66GHz processor)	68.16	57.4	56.4	18% > HP 20% > Dell

Results for the 3.16GHz Intel Xeon Processor MP model were also submitted for publication and are summarized in the table.

x260	Score
SPECint (1 x 3.16GHz processor)	1,393
SPECint_rate2000 (4 x 3.16GHz processor)	62.09
SPECfp (1 x 3.16GHz processor)	1,584
SPECfp_rate2000 (4 x 3.16GHz processor)	46.70

The x260 server contains advanced technology that combines 4-way SMP-capable power, Peripheral Component Interconnect-X (PCI-X) expansion, Enterprise X-Architecture™ (EXA), high availability, scalability, and substantial internal data storage capacity. Third-generation Enterprise X-Architecture powers one of the most compact, highest performance, highly available, feature rich 4-way servers in the industry for mission-critical ERP, database, and collaboration applications.

Results are current as of August 24, 2005. The x260 server's scores have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all results at [www.spec.org](http://www.spec.org).

(1) HP DL580 G3, SPECfp\_rate2000 score of 35.6, SPECint\_rate2000 score of 57.4. Dell PowerEdge 6850, SPECfp\_rate2000 score of 34.4, SPECint\_rate2000 score of 56.4.

The SPECfp\_rate2000 and the SPECint\_rate2000 scores are for a 4-processor configuration. The x260, HP DL580 and Dell PowerEdge 6850 all used the Intel Xeon Processor MP at 3.66GHz. The x260 server achieved these results using Microsoft® Windows® Server 2003.

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