# IBM posts SPEC CPU2006 scores for System x3755 M3

*x3755 M3 achieves competitive scores for a system using AMD Opteron 12-core processors*

April 6, 2011 ... The IBM® System x® 3755 M3 server delivers the performance and capacity that growing workloads demand. Featuring up to four 12-core Opteron™ 6000 series processors in a dense 2U rack-optimized platform, the x3755 M3 server delivers outstanding value for mid-sized applications.

The x3755 M3 server, configured with two 12-core AMD Opteron processors Model 6180 SE (2.5GHz with 12MB each of L3 cache per processor—2 processor/24 cores/24 threads), has demonstrated competitive performance on the SPEC® CPU2006 benchmark suite. The x3755 M3, configured with four 12-core AMD Opteron processors Model 6180 SE (2.5GHz with 12MB each of L3 cache per processor—4 processor/48 cores/48 threads), also delivered competitive performance on the SPEC CPU2006 benchmark suite. All results were achieved using Red Hat Enterprise Linux® Server 5.5 x64.

The scores in the following table are the first SPEC CPU2006 results published for the x3755 M3 using the 12-core AMD Opteron processor Model 6180 SE. (1)

| SPEC CPU2006 Benchmark | Two 12-Core AMD Opteron Processors Model 6180 SE – 2.5GHz | Four 12-Core AMD Opteron Processors Model 6180 SE – 2.5GHz |
|---|---|---|
| SPECint®2006 | 23.5 | 23.3 |
| SPECint_base2006 | 19.3 | 18.6 |
| SPECint_rate2006 | 428 | 837 |
| SPECint_rate_base2006 | 371 | 721 |
| SPECfp®2006 | 32.7 | 33.7 |
| SPECfp_base2006 | 23.5 | 23.2 |
| SPECfp_rate2006 | 337 | 661 |
| SPECfp_rate_base2006 | 308 | 606 |

Results are current as of April 6, 2011. The scores have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all published results at www.spec.org.

(1) Planned availability for the IBM System x3755 M3 using the AMD Opteron 12-core processor Model 6180 SE is May 6, 2011.