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Symmetric Computing to Use AMD Opteron 6140 Processors

Affordable 1 Tflops High Performance Computer Now Available with New 2.6 GHz, 8-Core Processors

BOSTON, Mass., Feb. 23, 2011 –Symmetric Computing announced today that its entire line of affordable Departmental SuperComputers are now using AMD’s recently announced Opteron™ 6140 processors.

Symmetric Computing’s line of affordable supercomputers includes the Duet™ Departmental SuperComputer and the Trio™ Departmental SuperComputer. Symmetric Computing’s Duet is a large shared-memory Symmetric Multi-Processing (SMP) High Performance Computer (HPC) powered by eight (8) AMD Opteron™ 6140 processors (64 cores total); Trios are powered by twelve (12) AMD Opteron™ 6140 processors (96 cores total). With the 2.6 GHz Opteron™ 6140s, Duets deliver 2/3 Teraflops (1068 SPECfp-2006) of supercomputing power; Trios deliver 1 Tflops (1602 SPECfp-2006) of high performance computing performance.

To create its large shared-memory Departmental SuperComputers, Symmetric Computing pairs its patent-pending Distributed Symmetric Multi-Processing (DSMP™) software with OpenSuSE Linux and off-the-shelf server components. Symmetric Computing populates two (for a Duet™) or three (for a Trio™) 1U SuperMicro A+ 1042G-TF blade servers with 2.6 GHz AMD Opteron™ 6140 processors.

Symmetric Computing's Chief Technical Officer Richard Anderson stated, "Supporting the new Opteron™ 6140 processors on our entire product line in the wake of AMD's announcement last week is further validation of our Departmental SuperComputer's superior design. We have designed our Departmental SuperComputers to easily take advantage of inevitable advancements in server technologies – benefits that we pass on to our customers. As faster processors hit the market, we incorporate them right away into our affordable supercomputer line. Supercomputing customers demand performance and Symmetric Computing is committed to always delivering to them the best price/performance. Using the new AMD Opteron™ 6140 processors allows us to fulfill that commitment."

Symmetric Computing Engineering Manager Jeff Turner explained, "The AMD Opteron 6140 is perfect for our Departmental SuperComputers. AMD's Opteron™ 6140 is a powerful 8-core, 2.6 GHz processor, but with a low power and heat profile – ideal characteristics for the processors that engineering and scientific departments need for a supercomputing resource."

About Symmetric Computing

Symmetric Computing provides High Performance Computing solutions to scientists, researchers, engineers, physicians, financial analysts and artists. Our shared memory departmental supercomputers, built with our DSMP™ (Distributed Symmetric Multiprocessing™) system software on off-the-shelf servers, can perform computations that previously required multi-million dollar machines, like those at the National Labs. At a fraction of the cost, our supercomputers are accessible to universities, hospitals and many businesses. By providing massive computational power at an affordable cost, Symmetric Computing is driving the advancement of science, industry and entertainment. Our advanced computational machines are enabling next generation technologies such as personalized medicine, climate forecasting, energy management, complex financial analysis and nanotechnology.

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