Venture Development Center
University of Massachusetts Boston
100 Morrissey Boulevard
Boston, MA 02125
U.S.A.

N E W S ● N E W S ● N E W S ● N E W S ● N E W S

Contacts:

Linda Mello   *Michael F. Mullaley*
Symmetric Computing   *Symmetric Computing*
508-415-7371   *617-287-5826*
LMello@SymmetricComputing.com   *MMullaley@SymmetricComputing.com*
www.SymmetricComputing.com   *www.SymmetricComputing.com*

Symmetric Computing Introduces Duet™ Departmental SuperComputer

Powerful Large Shared-Memory High Performance Computer for Under $65K

BOSTON, Mass., Feb. 23, 2011 –Symmetric Computing added the Duet™ Departmental SuperComputer to their line of affordable High Performance Computers today. Symmetric Computing's Duet™ Departmental SuperComputer is a 64-core, large shared-memory Symmetric Multi-Processing (SMP) server with 2/3 Teraflops (1068 SPECfp-2006) of power. Symmetric Computing offers its Duet™ Departmental SuperComputer in two affordable memory configurations: the Duet's 512-GB Random Access Memory (RAM) configuration carries a manufacturer's suggested price of $62,100; the 1-TB RAM configuration lists for $106,200.

To create its large shared-memory Duet™ Departmental SuperComputer, 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 (2) 1U SuperMicro A+ 1042G-TF blade servers with eight (8) 2.6 GHz AMD Opteron™ 6140 processors (64 cores total) and sixty-four(64) 8-GB or 16-GB DDR3 DIMMs (512-GB or 1-TB RAM total). Symmetric Computing avoids an expensive Infiniband switch by interconnecting the Duet's two server blades with 40 Gbps Mellanox InfiniBand PCIe host bus adapters. Software is loaded on the Duet's six (6) hot-swap 2-TB SATA2 HDD 3 Gbps drives (12-TB total).

Symmetric Computing's Chief Marketing Officer Michael Mullaley stated, "Our Duet™ is further proof that Symmetric Computing is affordable supercomputing. Many researchers, scientists and engineers who previously had to either delay their projects for scheduled time on a High Performance Computer, cobble together a complicated, difficult-to-program supercomputing cluster, or make do with too slow, limited memory servers can afford our Duet™ -- a dedicated supercomputing resource for their own department. The availability of affordable, easy-to-program, SMP supercomputing resources should speed many projects and lead to quicker scientific advances in a whole host of fields."

Symmetric Computing Computational Scientist Al Leisinger explained, "The large system memory and programming simplicity of SMP supercomputers are critical. Researchers, scientists and engineers want to focus on their specialty – what they do best – and not have to become experts in the intricacies of cluster computing. To programmers, our Duet™ Departmental SuperComputer looks just like a single huge-memory Linux box. Programmers can use standard threading packages to access all 64 CPUs and up to 1 TeraBytes of memory. Scientists and engineers need no longer worry about message passing interface programming, which is what supercomputing clusters and other limited memory systems demand. There's no need to build complex file-access program components; they can just read their big datasets into memory and access them as an array. Now with Symmetric Computing, engineers and researchers can afford the SMP supercomputing resource they really want, in-house, and stop wasting their time with overly complex programs."

Duet™ Departmental SuperComputer

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.

# # #