Supermicro Launches PCI-E Gen 2 Servers and Workstations With 1600 FSB and 800 MHz Memory

SAN JOSE, Calif., Nov. 12, 2007 (Canada NewsWire via COMTEX News Network) -- First with Low-Power 1.5V FB-DIMM Memory Support

Super Micro Computer, Inc. (Nasdaq: SMCI), a leader in application optimized high performance server solutions, today launched new lines of motherboards, servers and workstations optimized for 1600 FSB Quad-Core Intel(R) Xeon(R) 5400 Series (Harpertown) and Dual-Core Intel Xeon 5200 Series (Wolfdale-DP) processors. These latest dual-processor (DP) server and workstation solutions deliver sharply increased performance, energy efficiency and memory capacity. These new systems are now on display at SuperComputing 2007 in Reno, Nevada, booth 1229, from November 12-15.

"With support for a 1600 MHz dual point-to-point CPU bus and 800 MHz 1.5V FB-DIMM memory, as well as Gen 2 PCI-Express, our new SuperServers and workstations based on the Intel 5400 (Seaburg) chipset deliver more than 30% system performance gains*," said Charles Liang, president and CEO of Supermicro. "These highly scalable solutions offer more high-performance expansions slots and double the I/O bandwidth capacity of Gen 1 PCI-Express. Optimized for memory-hungry applications, Supermicro already fully supports low-power 1.5-volt fully-buffered DDR2 (FBD) memory on these new solutions to maximize energy efficiency and save up to 40 watts on memory power consumption per system."

"The new Quad-Core Intel Xeon processor 5400 series and Dual-Core Intel Xeon 5200 series processors are enabling Supermicro to provide its customers with new levels of performance and flexibility in DP server solutions," said Kirk Skaugen, vice president, Digital Enterprise Group, Intel Corporation. "The breakthrough performance per watt of these new Intel Xeon processors is enabling Supermicro to innovate around highly scalable designs from 1U to 4U and tower servers."

Designed for 2U and 4U servers, Supermicro's X7DWN+ serverboard features 16 FBDIMM slots for up to 128 GB of memory and seven high-performance expansion slots including three that support Gen 2 PCI-E, and one UIO slot for flexible upgrades. Also based on the Intel 5400 (Seaburg) chipset, the new X7DWA-N workstation motherboard supports two PCI-E x16 Gen 2 slots for high-performance graphics, 7.1 high-definition audio and dual 1394 Firewire ports, making it an ideal high-performance graphics/CAD engineering workstation platform.

Other outstanding Seaburg chipset-based server platforms being introduced by Supermicro include the X7DWU, X7DWT, X7DWT-INF, and X7DWE. The X7DWU platform delivers flexible UIO server solutions with up to three add-on cards in a 1U form factor or seven add-on cards (including four full-height) in a 2U. As the latest 1U Twin(TM) platforms, two X7DWT or X7DWT-INF serverboards fit into a single 1U chassis to provide two nodes per 1U of rack space or up to 84 nodes per 42U rack. Meanwhile, the feature-rich X7DWE serverboard with five PCI-E x8 of which four are Gen 2, making it ideal for a wide range of server applications.

Supermicro systems optimized for the new Quad-Core Xeon 5400 and Dual-Core 5200 Series processors include the following:

SuperServer 6015W-UR

Flexible 1U UIO server supports three add-on cards (one can be UIO) and four hot-swap SAS/SATA drives; UIO architecture enables easy upgrades to multiple internal and external SAS options with or without RAID5, dual-port 10 Gigabit Ethernet, or 4-port Gigabit Ethernet

SuperServer 6025W-NTR+

2U with 16 FBDIMM for 128GB memory, 6 hot-swap SATA & redundant (1+1) 700-watt high-efficiency power supplies

SuperServer 7045W-NTR+

4U/tower with 16 FBDIMM for 128GB memory, 6 hot-swap SATA, redundant (1+1) 800-watt high-efficiency power supplies & 100% cooling redundancy

SuperWorkstation 7045A-WT

Low noise, high-performance workstation with 2 PCI-E x16 Gen 2 + 6-pin power connectors for multiple high-end graphic cards, 6 hot-swap SATA, 865-watt low-noise high-efficiency power supply, and optimized fan-speed control

SuperServer 6015TW-T/INF

1U Twin server with two DP nodes in 1U; each node supports a PCI-E x16 Gen 2 slot, 8 FBDIMM for 64GB memory, and 2 hot-swap drives; the system also features a high-efficiency (90%+) 980-watt power supply

These Supermicro solutions also support Intel(R) Virtualization Technology for Connectivity including Virtual Machine Device Queues (VMDq) and Intel(R) I/O Acceleration Technology (I/OAT). These new technologies improve overall system performance, lower CPU utilization, reduce system latency and improve networking and I/O throughput in a virtualized environment.

Supermicro Server Building Block Solutions(R) offer exceptional flexibility and feature advantages. For more information on Supermicro's complete line of server and workstation solutions go to http://www.supermicro.com.

About Super Micro Computer, Inc. (NASDAQ: SMCI)

Supermicro emphasizes superior product design and uncompromising quality control to produce industry-leading serverboards, chassis and server systems. These Server Building Block Solutions provide benefits across many environments, including data center deployment, high-performance computing, high-end workstations, storage networks and standalone server installations. For more information on Supermicro's complete line of advanced motherboards, SuperServers, and optimized chassis, visit http://www.Supermicro.com, email Marketing@Supermicro.com or call the San Jose, CA headquarters at +1 408-503-8000.

*Performance figures based on internal test results using certain system configurations.

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