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Supermicro Ships 2nd Generation GPU Systems with New Double-Precision GPUs

1U Servers with Two GPUs, 4U with Four GPUs, and 2U Twin with Two Hot-Plug GPU Nodes and Redundant Gold Level (93%) Power

SAN JOSE, Calif., May 4, 2010 /PRNewswire via COMTEX News Network/ -- **Super Micro Computer, Inc.** (Nasdaq: SMCI), the global leader in server technology innovation and green computing, today launched its second generation of the industry's leading lineup of GPU servers optimized for the new NVIDIA Tesla 20-series GPUs (based on "Fermi" architecture). This product line includes the world's fastest 1U server, a 4U/tower that supports four NVIDIA Tesla GPUs along with three additional PCI-e cards for high-bandwidth I/O, and a 2U Twin server that supports two hot-pluggable GPU nodes with redundant power.

(Photo: http://www.newscom.com/cgi-bin/prnh/20100504/AQ98364)

"To meet our customers' strong demand, we have made the world's fastest servers even faster by optimizing our HPC product line to support the latest Tesla 20-series GPUs," said Charles Liang, CEO and president of Supermicro. "Our dual-GPU 1U SuperServer now delivers up to 1 TeraFLOPS double-precision performance, making it suitable for a far wider range of high-performance computing applications where more complex data calculations can be performed faster."

"Supermicro systems optimized for the new NVIDIA Tesla M2050 GPU computing module enable seamless integration of GPUs into large, scale-out deployments in commercial and scientific computing data centers," said Andy Keane, general manager, Tesla business at NVIDIA. "Servers with Tesla GPUs provide maximum compute-density for the data center, delivering the same compute performance as a CPU-only cluster at 1/10th the cost and 1/20th the power consumption with the ability to scale to thousands of nodes."

Supermicro's new GPU product line features both Intel(R) Xeon 5600 Series (Westmere) processor as well as AMD Opteron 6100 Series (Socket G34) processors. These systems also feature the advanced remote monitoring and management capabilities that data center IT staff require. With multiple x16 non-blocking native PCI-Express 2.0 connectivity, 1400-watt Gold Level (93%+ efficiency) power supplies and Supermicro's advanced thermal design, these highly parallel, multi-GPU systems have been optimized for a wide range of graphics and computationally intensive applications in fields such as medical imaging, oil and gas exploration, quantum chemistry, financial simulation, genomics and astrophysics.

As the fastest 1U server in the world, Supermicro's 6016GT-TF-FM205 Tesla-based server provides the industry's highest compute density and serves as a uniform building block for large-scale datacenter deployments. Optimized for performance and reliability, the 6016GT-TF-FM205 supports dual Intel(R) Xeon(R) 5600 series processors and features two NVIDIA Tesla M2050 GPUs via two Gen2 PCI-Express x16 connections.

Suitable for cluster configurations and personal supercomputing, the 7046GT-TRF-FC405 is housed in the SC747TQ-R1400; Supermicro's new 4U rackmount convertible tower chassis. This chassis supports up to 11 full-height, full-length expansion cards, eight hot-swappable 3.5" SAS/SATA drives, and special design features that bolster graphics and computationally intensive applications.

The latest addition to Supermicro's family of GPU-based systems, the 2U Twin GPU server introduces an innovative architecture with hot-swappable devices to facilitate easy maintenance and eliminate down time, while also saving power and space by sharing the same chassis and power supplies. Each computing node features onboard QDR InfiniBand for 40 Gb/second high-bandwidth connectivity and supports six hot-swap 3.5" SATA drives to deliver unprecedented I/O performance.

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

Supermicro, the leader in server technology innovation and green computing, provides customers around the world with application-optimized server, workstation, blade, storage and GPU systems. Based on its advanced Server Building Block Solutions, Supermicro offers the most optimized selection for IT, datacenter and HPC deployments. The company's system architecture innovations include the Twin server, Double-sided Storage and SuperBlade(R) product families. Offering the most comprehensive product lines in the industry, Supermicro provides businesses of all sizes with energy-efficient, earth-

friendly solutions that deliver unmatched performance and value. Founded in 1993, Supermicro is headquartered in Silicon Valley with worldwide operations and manufacturing centers in Europe and Asia. For more information, visit www.supermicro.com.

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