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Supermicro Displays GPU Server Leadership at GTC 2010

1U, 2U and 4U/Tower GPU-optimized Supercomputing Systems

SAN JOSE, Calif., Sept 20, 2010 /PRNewswire via COMTEX News Network/ -- GPU Technology Conference 2010 -- **Super Micro Computer, Inc.** (Nasdaq: SMCI), the global leader in server technology innovation and green computing, is exhibiting a complete product line of GPU-optimized supercomputing servers at the GPU Technology Conference (GTC) 2010, San Jose Convention Center, September 20-23. Supermicro is showcasing the 1U SuperServer 6016GT-TF-FM205, which provides up to 1 TeraFLOPS of double-precision performance along with the SuperServer 7046GT-TRF-FC405, which comes loaded with four double-width NVIDIA Fermi C2050 GPU cards and supports three additional PCI-e add-on cards for high-bandwidth I/O. The company is also demonstrating an innovative 2U Twin server that supports two hot-pluggable GPU nodes with either 10G Ethernet or 40Gb/s InfiniBand and redundant power.

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"As the leader in GPU supercomputing system architectures, our servers feature multiple x16 non-blocking native Gen2 PCI-Express connectivity with Platinum Level (94%+ efficiency) and Gold Level (93%+ efficiency) power supplies for maximum performance-per-watt," said Charles Liang, CEO and president of Supermicro. "Equipped with the industry's most efficient thermal design, our highly parallel, multi-GPU systems are optimized for a wide range of graphics and computationally intensive applications in fields like medical imaging, oil and gas exploration, quantum chemistry, financial simulation, genomics and astrophysics. With the improved double-precision performance of the new NVIDIA Fermi GPU cards, these systems are now being used for a wider range of supercomputing applications that require greater precision."

Considered among the fastest 1U servers in the world, Supermicro's 6016GT-TF-FM205 Fermi-based server provides the industry's highest compute density and serves as a uniform building block for large-scale deployments. Optimized for performance and reliability, the 6016GT-TF-FM205 supports dual Intel(R) Xeon(R) 5600/5500 series processors and features two NVIDIA Tesla M1050 GPU cards via two Gen2 PCI-Express x16 connections.

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

The SuperServer 6026TT-GIBQRF is a 2U Twin GPU server featuring an innovative Supermicro architecture in which the devices are hot-swappable 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 up to six hot-swap 3.5" SAS/SATA drives to deliver unprecedented I/O performance.

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

Supermicro, the global 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(TM) 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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