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Supermicro New Servers Achieve 48 Processor Cores in 1U

New 2U Twin2 with 96 Cores and 1U Quad Servers with 48 Cores Optimized for 8- and 12-Core AMD Opteron(TM) 6100 Series Processors

SAN JOSE, Calif., March 29, 2010 /PRNewswire via COMTEX News Network/ -- Super Micro Computer, Inc. (Nasdaq: SMCI), a leader in application-optimized, high-performance server solutions, today launched its first wave of servers optimized for the new 8- and 12-Core AMD Opteron(TM) 6100 Series processors (codenamed "Magny Cours"). This launch includes Supermicro's new 2U Twin2 systems with four hot-plug DP computing nodes that support up to 96 processing cores, quad-processor 1U servers that support up to 48 processing cores in 1U, and new GPU-optimized systems. In addition to these innovative system architectures, Supermicro is also introducing advanced new UP, DP and MP solutions in standard 1U, 2U, 4U and tower form factors.

(Photo: http://www.newscom.com/cgi-bin/prnh/20100329/AQ77749)

"The introduction of quad-channel DDR3 on these new 8- and 12-Core servers doubles the memory capacity and can accelerate memory performance up to 66%, especially for large data sets," said Charles Liang, president and CEO of Supermicro. "Our innovative system architectures and unique resource-sharing designs enable Supermicro systems to deliver the highest performance-per-watt and performance-per-dollar, with unmatched density that is further enhanced with these new generation G34 socket AMD Opteron(TM) processors. For example, our new 2U Twin Squared systems feature four hot-plug DP server nodes and combine support for up to one terabyte of DDR3 memory, twelve hot-swap 3.5" storage drives, and optional 40Gb/s QDR InfiniBand connectivity."

"Supermicro is supplying the channel with innovative, high-end solutions that are designed to deliver the performance and power efficiency that customers need to succeed in today's competitive marketplace," said Patrick Patla, vice president and general manager, Server and Embedded Divisions, AMD (NYSE: AMD). "The AMD Opteron(TM) 6000 Series platform, which includes the industry's only 12-core x86 processor, helps enable superior overall system performance and efficiency, addressing the compute-intensive demands of today's IT, datacenter, high-performance computing (HPC), and cloud-computing environments."

The same series of AMD processors are supported by all of these UP, DP and MP servers. This provides customers with the unprecedented flexibility to move processors between diverse platforms as their needs change over time. For performance, the improved AMD HyperTransport(TM) technology doubles the number of HT 3.0 links to four, which can now provide up to 25.6GB/s @ 6.4GT/s per link adding a huge boost to I/O bandwidth.

In addition to the performance improvements delivered by 12-Core AMD Opteron(TM) 6100 processor-based systems, Supermicro offers G34 Socket-based solutions with the following high-performance design features:

- **Onboard 6Gb/s SAS (2.0) designs**: Deliver maximum storage performance & reliability
- **2U Twin2 designs**: Four hot-plug DP nodes, up to 1TB memory, 12 hot-swap 3.5" drives, optional 40Gb/s QDR InfiniBand and redundant Gold Level power supplies
- **GPU-optimized designs:** 1U supports 2 GPUs to offer unprecedented parallel processing speed
- **Universal I/O (UIO) designs**: Provide flexible I/O customization and investment protection
- **High memory capacity**: 16 and 32 DIMM models with high-capacity quad-channel DDR3 memory support to dramatically improve memory and virtualization performance
- **High-efficiency VRMs**: Save energy and reduce electrical costs
- **High-efficiency power supplies**: Platinum Level 94%+ efficiency to further increase overall system power savings

For more detailed information on Supermicro's entire line-up of G34 socket solutions, please visit www.supermicro.com/G34/.

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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