June 23, 2009

Supermicro Showcases World's Densest and Greenest HPC Solutions at ISC '09

HAMBURG, Jun 23, 2009 (PR Newswire Europe via COMTEX News Network) -- 1,440 Processor Cores per 42U Rack with 4-Way SuperBlade(R) Optimized for Six-Core AMD Opteron(TM) Processors, QDR InfiniBand, Gold Level Power Efficiency

Super Micro Computer, Inc. (Nasdaq: SMCI), a leader in application-optimized, high performance server solutions, is showcasing the world's densest and greenest HPC solutions optimized for the new Six-Core AMD Opteron(TM) processors (code-named "Istanbul") this week at International SuperComputing 2009 (booth 310). Rackmount servers on display include 1U Twin(TM) and 4-way 1U servers which support 24 processing cores in a 1U form factor as well as the new 2U Twin2 with four hot-pluggable DP computing nodes which supports 48 processor cores. For those seeking even higher compute density, Supermicro's 4-way SuperBlade(R) features 240 processor cores in 7U.

(Photo: http://www.newscom.com/cgi-bin/prnh/20090623/AQ36670)

"Both our 4-way Six-Core SuperBlade(R) and 2U Twin2 servers are available with QDR 40 Gigabit per second InfiniBand, hot-pluggable features and high-efficiency 93%+* Gold Level power supplies for best energy efficiency, costs and space requirements, while delivering maximum computing power per rack," said Charles Liang, president and CEO of Supermicro. "When loaded with Istanbul processors, our SBA-7141M-T blade enables 1,440 processor cores and 7.68 terabytes of memory in a 42U rack, making it the densest solution available."

"AMD is pleased to work with Supermicro to deliver the performance, scalability and overall efficiency HPC customers demand across a variety of workloads," said Patrick Patla, Vice President and General Manager, Server and Workstation division, AMD (NYSE: AMD). "Building on the success of AMD's Direct Connect architecture, the performance and feature enhancements of the Six-Core AMD Opteron processor, particularly HyperTransport(TM) technology HT assist for superior memory throughput, make Supermicro's server and blade platforms even more beneficial to the HPC market."

In addition to the many performance enhancements in Six-Core AMD Opteron processors, Supermicro offers Six-Core A+ solutions with the following high-performance design features:

```
- Up to 10 quad-processor (4P) or dual-processor (DP) Blades in
    a 7U enclosure: Industry-leading density and power efficiency (93%*)
    with up to 240 processor cores and 1,280GB memory per 7U enclosure
  - 2U Twin2 designs: Provide four hot-plug DP nodes, up to 256GB
    memory, 12 hot-swap 3.5" drives, optional 20Gb/s InfiniBand and
    redundant 93%+* Gold Level power supplies
  - 1U Twin designs: Provide two DP nodes, up to 128GB memory and
    optional InfiniBand
  - Universal I/O designs: Provide flexible I/O customization and
    investment protection
  - High memory capacity: 16 DIMM and 32 DIMM models with high
    capacity memory support to dramatically improve memory and
    virtualization performance
  - Dual HyperTransport(TM) technology link designs: Superior system
    bandwidth and performance
  - HyperTransport Extension connector design: Helps to enlarge
    product support scope with HyperTransport connection devices
  - High-efficiency VRMs: Save energy and reduce electricity costs
  - High-efficiency power supplies: Further increases overall system
    power savings
```

Supermicro's full range of Six-Core A+ solutions includes both DP and 4-way servers and workstations in 1U, 2U, 4U, tower, and blade form factors with PCI-e Gen2 platforms ready. For more details on Supermicro's Six-Core AMD Opteron processor-based solutions, please visit www.supermicro.com/Istanbul/. At ISC, careful observers will also notice a Supermicro 1U server that supports four AMD FireSteam(TM) GPUs demonstrating upcoming supercomputing technology.

Supermicro Server Building Block Solutions(R) offer exceptional flexibility and feature advantages. For more information on Supermicro's complete line of server, workstation and blade solutions go to 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, servers, and optimized chassis, visit www.supermicro.com, email Marketing@supermicro.com or call the San Jose, CA headquarters at +1-408-503-8000.

SMCI-F

Supermicro, SuperBlade and Server Building Block Solutions are registered trademarks and 1U Twin and 2U Twin2 are trademarks of Super Micro Computer, Inc. All other trademarks are the property of their respective owners.

* Peak power efficiency figures based on internal test results.

Michael Kalodrich of
Super Micro Computer, Inc., MichaelK@supermicro.com /
Photo: http://www.newscom.com/cgi-bin/prnh/20090623/AQ36670

News Provided by COMTEX