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Supermicro 4U Storage Server Features 72 Hot-swap SAS2 Drives

Supermicro Double-Sided Storage Solution Achieves World's Highest Density and Efficiency in 4U Space

SAN JOSE, Calif., Aug 17, 2010 /PRNewswire via COMTEX News Network/ -- **Super Micro Computer, Inc.** (Nasdaq: SMCI), the global leader in server technology innovation and green computing, today announced the latest addition to its Double-Sided Storage(TM) family, the SC417, that supports up to 72 hot-swap 2.5-inch SAS2 hard drives in a single 4U chassis, and up to 88 in upcoming JBOD configuration. While the previous maximum in the market was 48 drives in the front, Supermicro has added 24 more hot-swap drives in the rear of the SC417 to deliver nearly double the storage capacity. With over 14 new chassis models now available with 6Gb/s SAS2 expanders, Supermicro's high-performance storage solutions port seamlessly into existing or new IT deployments and can cascade up to 240 hard drives. Featuring the industry's highest efficiency Gold/Platinum Level (94%+ efficiency) 1400-watt redundant power supplies, these high-density storage solutions deliver superior performance-per-watt and per-dollar.

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"Our newest Double-Sided Storage(TM) server SC417 currently supports up to 43TB of hot-swap SAS2 storage capacity in 4U," said Charles Liang, CEO and president of Supermicro. "With the demonstrated strong market demand for high storage capacity we can closely support our valued channel partners with these leading-edge storage solutions."

"The relentless data growth generated by digital media, such as mobile apps and online video, requires storage solutions that both boost performance and expand storage capacity beyond the server," said Robin Wagner, senior director of product marketing, Storage Components Division, LSI. "The new Supermicro SC417 series storage chassis, featuring LSI 6Gb/s SAS silicon and MegaRAID technology, enable system builders to deliver end-to-end 6Gb/s SAS solutions offering superior levels of performance, scalability and reliability for servers, workstations and blade solutions."

"The 6Gb/s SAS-enabled Supermicro SC417 series storage chassis deliver numerous benefits that both large enterprise and SMB customers desire," said Joel Hagberg, vice president of enterprise marketing at Toshiba Storage Device Division. "By supporting up to 72 2.5-inch 6Gb/s SAS enterprise drives, these solutions provide unprecedented levels of performance-per-watt, scalability, reliability and data integrity and are ideal for today's most demanding enterprise applications. With hot-swap capability users can service their data systems without interruption, providing outstanding data center uptime."

Continuing the trend towards higher density and less power consumption, Supermicro's SC417 series storage solutions configured with 2.5" Toshiba enterprise SAS2 drives not only double the drive density, but also reduce the power consumption per drive by over 65%. When combined with Supermicro high-efficiency Platinum (94%+) or Gold (93%+) Level power supplies and industry leading cooling subsystems, these systems deliver maximum performance-per-watt and performance-per-dollar.

Supermicro's full suite of 2U, 3U, 4U and Double-Sided Storage(TM) SAS2 expander chassis incorporate additional advanced features such as fully redundant cooling designs that protect system operation and performance even if a fan fails. Other features include SES-2 enclosure management and iPass cables that minimize the number of internal cables, thus improving system airflow, cooling, performance and reliability.

These storage solutions incorporate LSI(TM) 6Gb/s SAS silicon and MegaRAID technology, including the latest LSI 6Gb/s SAS expander and RAID-on-Chip (ROC) ICs. The E16 version single Edge-expander chassis can cascade up to 240 physical devices, while the E26 models with dual Edge-expanders support redundant data path failover protection for mission-critical applications. These versatile SAS2 chassis all support a wide range of UP and DP serverboards up to 13.68" x 13" including those optimized for eight-core Xeon 5600 or the latest twelve-core Opteron processors and those with 18 memory slots for up to 288GB of memory. Additionally, these chassis support up to seven full-height, full-length expansion cards, providing numerous options for enhanced storage 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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