

## **MetaRAM's MetaSDRAM Technology Now Available from Supermicro**

*8GB R-DIMMS for Intel® Xeon® and AMD Opteron™-based Systems to be  
Demonstrated at ISC '08*

**ISC '08, DRESDEN, Germany – June 16, 2008** – MetaRAM, a fabless semiconductor company focused on improving memory performance, today announced that its breakthrough technology is now available through Super Micro Computer, Inc. (NASDAQ: SMCI), a leader in application-optimized, high performance server solutions. Supermicro is demonstrating 8 gigabyte (GB) DDR2 R-DIMMs, enabled by MetaSDRAM™, on a two-processor Intel® Xeon®-based motherboard, as well as a quad-socket 1U server with AMD Quad-Core Opteron™ processors.

Supermicro's A+ Server 1041M-T2+ features four AMD Quad-Core Opterons and, with the MetaSDRAM technology, is available with 256GB total DDR2 SDRAM in each system. The Supermicro DP Xeon 5100-series motherboard is available with two Dual-Core or Quad-Core Intel 64-bit Xeon processors – and with MetaSDRAM technology – up to 48GB of total DDR2 SDRAM. These systems are ideal for compute-intensive applications, like CAD and EDA simulations, database transaction processing, business intelligence, digital content creation and virtualization that require systems with a large amount of memory.

“MetaRAM's breakthrough MetaSDRAM technology enables two or four times the amount of mainstream memory into existing boards and servers without any changes needed to the existing infrastructure,” said Alex Hsu, chief sales and marketing officer of Supermicro. “This technology allows Supermicro to offer larger memory supercomputer solutions to our customers at better prices, enabling us to quickly and easily expand our product reach.”

MetaSDRAM is a new memory technology announced by MetaRAM in February 2008 that closes the gap between processor computing power – which doubles every 18 months – and DRAM capacity, which doubles only every 36 months. Until now, the industry addressed this gap by adding higher capacity DRAM to each dual in-line memory module (DIMM) on the motherboard. However, high-capacity DRAM is exponentially more expensive than regular DRAM and often simply not available.

The MetaSDRAM chipset, which sits between the memory controller and the DRAM, solves the memory capacity problem cost effectively by enabling up to four times more mainstream DRAMs to be integrated into existing DIMMs without the need for any hardware or software changes. The chipset makes multiple DRAMs look like a larger capacity DRAM to the memory controller. The result is “stealth” high-capacity memory that circumvents the normal limitations set by the memory controller. This new technology has accelerated memory technology development by 2-4 years.

Supermicro will be demonstrating its two new products with MetaRAM at the International Supercomputing Conference (ISC) '08, June 17-19, at the International Congress Center Dresden in Dresden, Germany, booth B25-B28.

For more information on the Supermicro's A+ Server 1041M-T2+, go to <http://www.supermicro.com/Aplus/system/1U/1041/AS-1041M-T2+.cfm>. For more information on the Supermicro DP Xeon 5100-series motherboard, go to <http://www.supermicro.com/products/motherboard/Xeon1333/5100/X7DCL-i.cfm>.

To learn more about MetaRAM and its MetaSDRAM technology, please visit [www.MetaRAM.com](http://www.MetaRAM.com).

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#### **About MetaRAM**

MetaRAM is a fabless semiconductor company focused on improving memory performance. The company's first product – MetaSDRAM™ – enables four times the amount of standard memory to be placed into existing systems without any modifications. The company was founded by Fred Weber, former CTO of AMD and Suresh Rajan, former Director of Marketing for NVIDIA. It is privately held and venture funded by Kleiner Perkins Caufield and Byers, Khosla Ventures, Storm Ventures, and Intel Capital and is headquartered in San Jose, California. For more information, please go to [www.metaram.com](http://www.metaram.com).

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