



September 4, 2013

Supermicro® Debuts 6U 112-Node MicroBlade Server Featuring Intel® Atom™ Processor C2000

New Extreme-Density, Ultra Low Power Microserver Maximizes Performance and Energy Efficiency for Cost-Effective Hyper-Scale Computing

SAN FRANCISCO, Sept. 4, 2013 /PRNewswire/ -- **Super Micro Computer, Inc. (NASDAQ: SMCI)**, a global leader in high-performance, high-efficiency server, storage technology and green computing, debuts an all new extreme-density server platform targeting hyper-scale data center and cloud environments. MicroBlade is a power and space saving 6U microserver featuring 112 ultra low power 8-Core Intel® Atom™ Processor C2000 (formerly codenamed Avoton) based servers in 28 hot-swap micro blades. This modular blade-based architecture maximizes rack space with full-featured power-conserving servers in easily serviceable front access hot-swap Blade trays. Compute and storage are integrated in the individual blades and shared networking, power and cooling are located at the rear of the system. The MicroBlade enclosure incorporates redundant Platinum-Level high-efficiency (95%) Digital Switching power supplies, optimized airflow with redundant energy-efficient cooling fans, an integrated chassis management module (CMM), Intel® high-bandwidth network switches and reduced cabling, lowering overall total cost of ownership. MicroBlade maximizes rack space utilization and conserves energy in web hosting, cloud services and the most extreme scale-out HPC and data visualization environments.

(Photo: <http://photos.prnewswire.com/prnh/20130904/AQ73754-INFO>)

"Supermicro continues a tradition of innovation and green computing with the debut of our new extreme-density, high-efficiency MicroBlade," said Charles Liang, President and CEO of Supermicro. "MicroBlade is engineered with our most advanced power saving, modular architecture designs and incorporates Intel's latest low-power Atom C2000 processors to dramatically increase compute density and maximize performance per watt, per dollar, per square foot. With 112 full featured energy efficient compute nodes per 6U, MicroBlade brings a new cost-effective, environment friendly microserver option to the table for rapidly expanding data centers and cloud service providers."

"Intel's new Atom Processor C2000 product family enables next generation microservers to deliver increased performance, lower power consumption and higher density for hyper-scale datacenters," said Jason Waxman, Intel vice-president and general manager of Intel Cloud Infrastructure Group. "This new family of SoCs also offers the robust datacenter class features, including 64-bit and ECC memory, needed for a range of lightweight scale-out microserver workloads. With Supermicro's extreme density MicroBlade, optimized for the low power Atom C processor family, hyper-scale datacenter customers can maximize compute density and performance per watt to lower overall TCO for workloads such as static web, caching and entry hosting."

MicroBlade Features

- | 6U standard 19" rack compatible enclosure
- | 28x hot-swappable micro blades with 112 independent nodes, each node supporting
 - | 1x 8-Core Intel Atom™ Processor C2000
 - | 1x SATA-DOM
 - | 1x 2.5" SATA3 HDDs or SSDs
 - | 2x DDR3 DIMM slots
- | 2x - 8x redundant 1600W Platinum-Level high-efficiency (95%) Digital Switching power supplies
- | 2x - 4x Intel® Ethernet Switch FM5224 with 10GbE and 40GbE uplinks
- | Integrated Chassis Management Module (CMM)

MicroBlade is a powerful and flexible microserver platform that also supports Intel® Xeon® processor E5-2600/1600 family configurations in 56x uni-processor (UP) nodes with 2x HDDs/SSDs per node and 28x dual-processor (DP) nodes with 2x HDDs/SSDs per node for high-performance applications.

In addition, Supermicro extends its embedded build block solutions with a new line of compact servers, chassis and motherboards optimized for the Intel® Atom™ processor C2000 product family (formerly codenamed Avoton and Rangeley). These products are designed for low power (sub 20W), compact storage and server appliances and entry level communication devices taking advantage of Intel's QuickAssist Technology.

Servers:

SYS-5018A-TN4 (A1SAi-2750F), SYS-5018A-FTN4 (A1SRi-2758F)
1U Short-depth (9.8") Rack Mount Server Appliance and devices

Chassis:

SC813MTQ-R400CB

1U ATX/MicroATX compatible, 4x 3.5" hot-swap SAS/SATA, redundant 400W high-efficiency power supplies

Motherboards:

Mini-ITX A1SAi-2750F, A1SRi-2758F (with QuickAssist) PCIe x8, USB3 x4, USB2 x2, 4pin 12V DC & ATX power
uATX A1SAM-2750F, A1SRM-2758F (with QuickAssist) PCIe x8, PCIe x4, USB2 x7, Quad LAN, ATX power

Supermicro will exhibit the new extreme-density MicroBlade at IDF 2013 in San Francisco next week. Visit Supermicro at Booth #500 in the Moscone West Convention Center to see this new innovative server platform in person. For more information on Supermicro's complete line of high performance server and storage solutions, visit www.supermicro.com.

Follow Supermicro on [Facebook](#) and [Twitter](#) to receive the latest news and announcements.

About Super Micro Computer, Inc.

Supermicro® (NASDAQ: SMCI), the leading innovator in high-performance, high-efficiency server technology is a premier provider of advanced server Building Block Solutions® for Data Center, Cloud Computing, Enterprise IT, Hadoop/Big Data, HPC and Embedded Systems worldwide. Supermicro is committed to protecting the environment through its "We Keep IT Green®" initiative and provides customers with the most energy-efficient, environmentally-friendly solutions available on the market.

Supermicro, Building Block Solutions and We Keep IT Green are trademarks and/or registered trademarks of Super Micro Computer, Inc.

All other brands, names and trademarks are the property of their respective owners.

SMCI-F

SOURCE Super Micro Computer, Inc.

News Provided by Acquire Media