November 18, 2013

Supermicro® Debuts Powerful 4U 8x GPU SuperServer® Optimized for the New NVIDIA Tesla K40 GPU Accelerator at Supercomputing 2013

-- New SuperServer Features Advanced Thermal Cooling Architecture with Separate CPU/GPU Cooling Zones for Maximum Performance & Reliability

SAN JOSE, California, Nov. 18, 2013 /PRNewswire/ -- *Super Micro Computer, Inc.* , a global leader in high-performance, high-efficiency server, storage technology and green computing, exhibits its latest high-performance computing (HPC) solutions at the Supercomputing 2013 (SC13) conference this week in Denver, Colorado. In sync with the launch of the NVIDIA® Tesla® K40 GPU accelerator, Supermicro debuts new 4U 8x GPU SuperServer® that supports the new and existing active or passive GPUs (up to 300W) with an advanced cooling architecture that splits the CPU (up to 150W x2) and GPU (up to 300W x8) cooling zones on separate levels for maximum performance and reliability. In addition, Supermicro has 1U, 2U, 3U SuperServers, FatTwin, SuperWorkstations and SuperBlade® platforms ready to support the new K40 GPU accelerator. These high performance, high density servers support up to twenty GPU accelerators per system and in scaled out Super Clusters provide massive parallel processing power to accelerate the most demanding compute intensive applications. Supermicro's new platforms extend the industry's most comprehensive line of servers, storage, networking and server management solutions optimized for Engineering and Scientific Research, Modeling, Simulation and HPC supercomputing applications.

(Photo: http://photos.prnewswire.com/prnh/20131118/AQ18505 [http://photos.prnewswire.com/prnh/20131118/AQ18505])

"Supermicro's HPC servers and solutions deliver the performance, scalability and reliability needed to answer the most complex challenges of our time," said Charles Liang, President and CEO of Supermicro. "Our extensive supercomputing solutions range from 5x GPU workstations to 6x GPUs in 1U/2U, 8x GPUs in 4U and 30x GPUs in 7U blade severs. Our GPU platforms are unrivaled in the industry and provide exactly the best configurations optimized for any scientific, engineering or big data analytics application. With the addition of a new 4U single node, 8x GPU server and a new 2U TwinPro platform, the HPC community can build even higher density compute clusters to deliver maximum parallel computing performance per watt, per dollar, per square foot."

"The Tesla K40 GPU accelerator provides double the memory and 10 times higher performance than today's fastest CPUs, enabling enterprise data center and HPC customers to solve their most complex engineering and big data analytics computing challenges," said Sumit Gupta, general manager of Tesla Accelerated Computing Products at NVIDIA. "When combined with Supermicro's high-density, scalable systems, the new Kepler-based accelerators deliver high performance computational horsepower with maximum energy efficiency."

Supermicro's new GPU accelerator-optimized server solutions on exhibit this week at SC13 include:

    -- NEW 4U 8x GPU SuperServer® (SYS-4027GR-TR) - Ultra-high GPU density

       with massive parallel processing power in 4U form factor. System

       supports 8x NVIDIA Tesla K40, K20, K20X or K10 active or passive GPU

       accelerators (up to 300W) + additional full-height, full-length 2x

       PCI-E 3.0 x8 and 1x PCI-E 2.0 x4 slots, dual Intel® Xeon® E5-2600 v2

       "Ivy Bridge" processors (up to 150W), 24x Reg. ECC DDR3 1600MHz DIMM

       support (up to 768GB), 2x 10GbaseT or GbE ports with 1x dedicated IPMI

       2.0 port and 24x 2.5" hot-swap SAS/SATA/SSD bays. The 30" depth chassis

       features redundant Platinum Level high-efficiency 1600W power supplies

(up to 4) and an advanced thermal cooling architecture with two rows of mid-chassis fans and separate CPU/GPU cooling zones.

-- NEW 2U TwinPro(TM) (SYS-2027PR-DTR) / TwinPro(2)(TM) (SYS-2027PR-HTR) - Supermicro takes its 2U Twin architecture to the next level of performance, flexibility and expandability with the high efficiency 2-node TwinPro and high density 4-node TwinPro(2). Each node supports dual Intel® Xeon® E5-2600 v2 processors and the 2-node 2U TwinPro accommodates a NVIDIA® Tesla® GPU accelerator with support for two additional add on cards per node. The systems feature greater memory capacity up to 16x DIMMs, 12Gb/s SAS 3.0 support, NVMe optimized PCI-E SSD interface, additional PCI-E expansion slots, 10GbE and onboard QDR/FDR InfiniBand for maximized I/O.

-- 1U SuperServer® (SYS-1027GR-TRT2 [http://www.supermicro.com/products/system/1u/1027/sys-1027gr-trt2.cfm]) - supports 3x GPUs, dual Intel® Xeon® E5-2600 series processors (up to 130W TDP), up to 512GB memory in 16x DIMM slots and 4x hot-swap 2.5" SATA3 HDD bays. Features 1600W redundant Platinum Level high-efficiency (94%+) power supplies and smart server management tools.

-- 1U SuperServer® (SYS-1027GR-TQFT [http://www.supermicro.com/products/system/1U/1027/SYS-1027GR-TQFT.cfm]) - supports 4x GPUs, dual Intel® Xeon® E5-2600 series processors (up to 115W TDP), up to 256GB memory and 4x hot-swap 2.5" SATA3 HDD bays. Features 1800W Platinum Level high-efficiency (94%+) power supplies and smart server management tools.

-- 2U SuperServer® (SYS-2027GR-TRFH [http://www.supermicro.com/products/system/2U/2027/SYS-2027GR-TRFH.cfm]) - supports 6x GPUs, dual Intel® Xeon® E5-2600 series processors (up to 130W TDP), up to 256GB memory and 10x hot-swap 2.5" SATA HDD bays. Features redundant 1800W Platinum Level high-efficiency (94%+) power supply and smart server management tools.

-- 3U SuperServer® (SYS-6037R-72RFT+
[http://www.supermicro.com/products/system/3U/6037/SYS-6037R-72RFT_.cfm]
) - supports 2x GPUs (passive cooling with optional GPU fan kit
installed), dual Intel® Xeon® E5-2600 v2 series processors (up to 135W
TDP), up to 1.5TB memory and 8x hot-swap 3.5" SAS2 HDD bays. Features
redundant 1280W Platinum Level high-efficiency (94%) digital switching
power supplies.

-- 4U FatTwin(TM) (SYS-F627G3-FT+
[http://www.supermicro.com/products/system/4u/f627/sys-f627g3-ft_.cfm] /
G2-FT+
[http://www.supermicro.com/products/system/4u/f627/sys-f627g2-ft_.cfm])
- 4x hot-plug nodes supporting 12x GPUs (3x per node) and dual Intel®
Xeon® E5-2600 series processors (up to 130W TDP) per node. Available
with front I/O and 2x 3.5" or 6x 2.5" hot-swap HDD bays. Features
redundant 1620W Platinum Level high-efficiency (94%+) power supplies.

-- 4U/Tower SuperWorkstation (SYS-7047GR-TRF
[http://www.supermicro.com/products/system/4u/7047/sys-7047gr-trf.cfm] /
-TPRF
[http://www.supermicro.com/products/system/4U/7047/SYS-7047GR-TPRF.cfm])
- Ultimate performance (NVIDIA Maximus(TM) Technology Certified) and
expandability with support for up to 5x GPUs, dual Intel® Xeon®
E5-2600 series processors, up to 512GB memory and 8x hot-swap 3.5" HDD
bays. Tower/4U rackable chassis features redundant 1620W Platinum Level
high-efficiency (94%) power supplies.

-- SuperBlade® Solutions - The all-in-one 7U SuperBlade features redundant
Platinum Level high-efficiency (94%+) power supplies, high speed
connectivity through network switch modules
[http://www.supermicro.com/products/SuperBlade/networking/], including
56Gb/s FDR IB (SBM-IBS-F3616M), FC/FCoE (SBM-XEM-F8X4SM), 10GbE
(SBM-XEM-X10SM) and 1/10GbE (SBM-GEM-X3S+) and centralized remote
management software.

```
--   3x GPU SuperBlade® (SBI-7127RG3) - Supports 3x NVIDIA Tesla K20X

     GPUs in the SXM form factor, dual Intel® Xeon® E5-2600 series

     processors, up to 256GB memory and onboard BMC for IPMI 2.0 support.

     10x blades in 7U SuperBlade® enclosure scales to best density (180x

     GPUs and 120x CPUs) and performance (256 TFLOPS theoretical) per 42U

     rack.

--   2x GPU SuperBlade® (SBI-7127RG-E

     [http://www.supermicro.com/products/superblade/module/sbi-7127rg-e.c

     fm]) - Supports 2x GPUs, dual Intel® Xeon® E5-2600 series

     processors, up to 256GB memory, 1x SSD or 1x SATA-DOM, and onboard

     BMC for IPMI 2.0 support. 10x blades in 7U SuperBlade® enclosure

     offers high density (120x GPUs and 120x CPUs) and performance (178

     TFLOPS theoretical) per 42U rack.
```

Experience Supermicro's latest High Performance Computing solutions this week at Supercomputing 2013 in Denver, Colorado in booth #3132 at the Colorado Convention Center, November 18(th) - 22(nd.)Supermicro server solutions optimized for NVIDIA Tesla K40 GPU accelerators are also on exhibit at NVIDIA's SC13 booth #613. For information on Supermicro's complete line of GPU enabled supercomputing platforms visit www.supermicro.com/GPU [http://www.supermicro.com/GPU].

Follow Supermicro on Facebook [https://www.facebook.com/Supermicro] and Twitter [http://twitter.com/Supermicro_SMCI] to receive their latest news and announcements.

About Super Micro Computer, Inc.
Supermicro® , 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, SuperServer, SuperBlade, 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

Super Micro Computer, Inc.

CONTACT: David Okada, Super Micro Computer, Inc., davido@supermicro.com

Web site: http://www.supermicro.com/

News Provided by Acquire Media