



**FOR IMMEDIATE RELEASE**

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**CIRRASCALE® EXPANDS MULTI-GPU PEERING SOLUTIONS WITH SUPPORT FOR  
NEW NVIDIA TESLA K80 DUAL-GPU ACCELERATORS**

***The Cirrascale GB5400 Blade Server supports eight NVIDIA Tesla K80 dual-GPU accelerators in a 5VU space enabling unsurpassed density, scalability and performance for highly parallel applications.***

**New Orleans, LA. -- Supercomputing Conference -- November 17, 2014 --** Cirrascale Corporation®, a premier developer of build-to-order, open architecture blade-based and rackmount computing infrastructure, today announced it will offer the new NVIDIA® Tesla® K80 dual-GPU accelerator throughout its GPU-enabled blade server and high-performance workstation product lines. Utilizing a pair of the company's latest proprietary 80-lane Gen3 PCIe switch-enabled risers, the GB5400 supports up to eight discrete NVIDIA Tesla K80 dual-GPU accelerator cards in a single blade, allowing for all eight accelerators to peer on a single PCIe root complex.

"NVIDIA is continuing to push the boundaries of parallel computing with its latest Tesla GPU accelerator," said David Driggers, CEO, Cirrascale Corporation. "Our customers involved with deep learning, machine learning, and especially HPC are moving rapidly to take advantage of this increased performance, but want to ensure they can scale. We're confident the Tesla K80 accelerator, when used with our latest Gen3 PCIe switch-enabled riser, meets these needs."

Featuring two high-performance GPU processors in a single board, the NVIDIA Tesla K80 dual-GPU accelerator delivers nearly two times higher performance and double the memory bandwidth of its predecessor, and 10 times higher performance than today's fastest CPU on hundreds of applications. It provides 24GB of ultra-fast GDDR5 memory, which enables a single Cirrascale GB5400 blade server to house up to an incredible 192GB of GPU memory.

Additionally, the NVIDIA Tesla K80 dual-GPU accelerator features an enhanced version of NVIDIA GPU Boost™ technology, which converts power headroom into user-controlled performance boosts, enabling users to dynamically unlock the untapped performance of a broad range applications, such as Reverse Time Migration and AMBER, and a range of new scientific, engineering, high-performance computing, and enterprise big data analytics applications.

Extending the capabilities of these accelerators, Cirrascale's proprietary riser enables increased bandwidth and lower latencies between PCIe Gen3 GPU accelerators than are possible in traditional systems. By enabling up to 16 discrete GPUs to communicate directly with each other on the PCI bus, free of the need for host CPU intervention, they can create a "micro-cluster", sharing a single memory address space. When placed in the Cirrascale BladeRack® 2 XL platform, the solution scales to provide over 2.3TB of GPU memory and nearly 180 Teraflops of double precision processing performance in one rack, making it one of the densest high performance computing and GPU-accelerated cloud computing solutions available.

"The Cirrascale GB5400 blade server with the new Tesla K80 accelerator provides customers with new levels of performance and scalability for their most complex high-performance data analytics and scientific computing applications," said Sumit Gupta, general manager of Accelerated Computing at NVIDIA. "We look forward to working with Cirrascale to expand access to our latest GPU accelerator technology for HPC and enterprise customers worldwide."

The Cirrascale GB5400 high-performance blade server and rackmount product lines supporting the NVIDIA Tesla K80 dual-GPU accelerators -- as well as the Cirrascale proprietary PCIe switch-enabled riser -- are immediately available to order and are shipping to customers now. Licensing opportunities for these technologies are also available immediately to both customers and partners.

**About Cirrascale Corporation**

Cirrascale Corporation is a premier provider of custom rackmount and blade server solutions developed and engineered for today's conventional data centers. Cirrascale leverages its patented Vertical Cooling Technology, engineering resources, and intellectual property to provide the industry's most energy-efficient standards-based platforms with the lowest possible total cost of ownership in the densest form factor. Cirrascale sells to large-scale infrastructure operators, hosting and managed services providers, cloud service providers, government, higher education, and HPC users. Cirrascale also licenses its award winning technology to partners globally. To learn more about Cirrascale and its unique data center infrastructure solutions, please visit <http://www.cirrascale.com> or call (888) 942-3800.

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