Colfax International Unveils World's First 8 NVIDIA Tesla GPU Server; Delivers Supercomputing Performance at a Lower Cost, Power and Footprint

Colfax CXT8000 offers nearly 8 Teraflops in a single 4U server

SUNNYVALE, Calif. – October 13, 2009 – Colfax International, a leading provider of fully-customizable, high-performance computing solutions, today introduced the world's first server featuring up to 8 NVIDIA® Tesla™ C1060 GPUs. The Colfax CXT8000 supports up to 8 CPU cores and 1920 GPU cores with nearly 8 Teraflops of peak single precision GPU performance in a single 4U system.

Traditionally, scientists, engineers, and other technical professionals have had to rely on large CPU-based clusters to crunch complex datasets. Introduction of Colfax CXT8000 democratizes HPC by providing these professionals with an affordable supercomputing resource that comes in a small footprint, is much faster, and more energy-efficient than a CPU-only driven cluster.

The Colfax CXT8000 together with NVIDIA's CUDA C toolkit for leveraging the massively parallel architecture of the GPU will provide a quantum leap in performance and continue to accelerate the pace of engineering and scientific work to solve the most computationally-intensive challenges including protein docking, molecular dynamics, financial analysis, structural analysis, and many others.

"Colfax has consistently been first to market with solutions that solve our customers' pain points for better outcomes," said Gautam Shah, CEO, Colfax International. "CXT8000 will deliver a compelling solution providing customers access to supercomputing power to handle larger and more complex compute-intensive workloads outside of the data center, reduce design and development cycles, and drive new levels of innovation and productivity."

"Colfax continues to provide innovative solutions for today's most demanding HPC users with their latest CXT8000 product featuring eight Tesla C1060 GPU Computing Processors," said Andy Keane, general manager, Tesla business at NVIDIA. "With nearly eight Teraflops of peak performance in an enterprise-class, energy-efficient 4U server, the Colfax CXT8000 is an ideal solution for HPC customers seeking to maximize application performance and time-to-results."

Some of the key features of CXT8000 include:

- 8 Tesla C1060 GPUs with 32GB GPU memory in a single server
- 8 double-width, full-height / full-length PCI-E 2.0 x16 slots
- 2 Intel® Xeon® processors 5500 series
- Up to 144GB DDR3 1333/ 1066/ 800MHz ECC registered memory
- 2 internal 2.5" SATA drives or 1 internal 3.5" SATA drive
- Power redundancy option
- Fully customizable to meet specific needs

Pricing and Availability

Basic 8 GPU configuration starts at $16,000. The Colfax CXT8000 is available on a limited basis. For more information please visit: http://www.colfax-intl.com/ms_tesla.asp?M=102

About Colfax International

Colfax International is a global provider of customized workstations, servers, clusters and storage solutions. Founded in 1987, Colfax International is based in Sunnyvale, California and is privately held. For more information, please visit www.colfax-intl.com.

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