



Fujitsu Brings NVIDIA GPU-Accelerated Supercomputing to the Masses

NVIDIA today announced that NVIDIA® Tesla® GPUs are now available in Fujitsu's PRIMERGY CX400 S1 servers, offering high-performance GPU-accelerated computing to Fujitsu's large installed base of customers in Japan and Europe.

Fujitsu designed the PRIMERGY CX400 S1 server for high performance in a compact form factor by using half-wide, two-socket server nodes -- doubling the number of cores per unit height. The system houses either four 1U hot-plug PRIMERGY CX250 S1 server nodes with two CPUs per node, or two 2U hot-plug CX270 S1 server nodes with two CPUs and one [NVIDIA Tesla](#) GPU per node.

"Fujitsu is a leader in high-performance computing (HPC)," said Sumit Gupta, senior director of the Tesla business at NVIDIA. "Its new GPU-equipped servers provide supercomputing performance to the broad base of researchers and engineers at universities, enterprise and government research laboratories."

Combining a multicore CPU with the hundreds of parallel processing cores of an NVIDIA GPU has enabled a new [GPU-accelerated computing](#) model for the HPC industry. This combination shifts complex parallel computing tasks to the GPU and keeps program logic aligned with the CPU, enabling dramatically higher levels of performance than CPU-only systems, while significantly reducing power consumption.

The GPU-accelerated Fujitsu system is designed to address complex computational processing challenges inherent in [HPC applications](#), including structural mechanics, fluid dynamics, seismic modeling and imaging, bioinformatics, molecular dynamics, and computational finance and data mining. The automotive industry is also rapidly deploying GPU technology for crash simulations and CAE design based on its ability to significantly reduce simulation runtimes and computational costs.

"The Fujitsu PRIMERGY Multi-Node CX400 demonstrates Fujitsu's philosophy of field innovation and a constant drive to increase the power and flexibility of our scale-out server systems for both HPC and cloud computing environments," said Jens-Peter Seick, senior vice president of Product Development Group at Fujitsu Technology Solutions. "With support for NVIDIA GPUs, the system dramatically increases computational performance, while reducing costs and power consumption. This combination is exactly what today's HPC customers are looking for."

[Fujitsu PRIMERGY CX400 S1 Multi-Node systems](#) are available now from Fujitsu and its channel partners. For a list of channel partners by region, visit the Fujitsu [Global Reseller Locator website](#).

About NVIDIA Tesla GPUs

NVIDIA Tesla GPUs are massively parallel accelerators based on the [NVIDIA CUDA® parallel computing platform](#). Tesla GPUs are designed from the ground up for power-efficient, high performance computing, computational science and supercomputing, delivering dramatically higher application acceleration for a range of scientific and commercial applications than a CPU-only approach. Today, Tesla GPUs power three of the world's top five supercomputers.

More information about NVIDIA Tesla GPUs is available at the [Tesla website](#). To learn more about CUDA or download the latest version, visit the [CUDA website](#). More NVIDIA news, company and product information, videos, images and other information is available at the [NVIDIA newsroom](#). You can also follow us on [Twitter](#) (@NVIDIATesla).

About NVIDIA

[NVIDIA](#) (NASDAQ: NVDA) awakened the world to computer graphics when it invented the [GPU](#) in 1999. Today, its [processors](#) power a broad range of products from [smartphones](#) to [supercomputers](#). NVIDIA's [mobile processors](#) are used in [cell phones](#), [tablets](#) and [auto infotainment systems](#). [PC gamers](#) rely on GPUs to enjoy spectacularly immersive worlds. Professionals use them to create [3D graphics](#) and visual effects in movies and to design everything from golf clubs to jumbo jets. And researchers utilize GPUs to advance the frontiers of science with [high performance computing](#). The company has more than 5,000 patents issued, allowed or filed, including ones covering ideas essential to modern computing. For more information, see www.nvidia.com.

Certain statements in this press release including, but not limited to, statements as to: the availability, benefits and impact of NVIDIA Tesla GPUs and Fujitsu PRIMERGY CX400 S1 servers; and the effects of the company's patents on modern computing are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time

in the reports NVIDIA files with the Securities and Exchange Commission, or SEC, including its Form 10-Q for the fiscal period ended April 29, 2012. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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