



# NVIDIA GPUs Bring High Performance GPU Computing to New Dell PowerEdge Servers

## New Dell Servers With NVIDIA Tesla GPUs to Accelerate Broad Range of Scientific and Industrial Workloads

SANTA CLARA, CA -- NVIDIA today announced that its NVIDIA® Tesla™ GPUs will be featured, for the first time, on two Dell PowerEdge 12<sup>th</sup> generation rack and tower servers.

Dell designed the new GPU-enabled PowerEdge R720 and PowerEdge T620 servers to accelerate a wide range of computationally intensive, industry standard applications, including Mathworks MATLAB (for computational research) and SIMULIA Abaqus (for [computer-aided engineering](#)). In addition, the new servers combine the 512-core NVIDIA Tesla M2090 GPUs with the latest Intel Xeon E5/R CPUs based on the Sandy Bridge microarchitecture to accelerate a range of [scientific applications](#) in fields such as life sciences, engineering, weather and climate, and others.

"GPU computing is growing in demand and adoption based on its ability to provide a unique combination of ultra-high performance and energy efficiency," said Virginia Swink, executive director of Dell Server Solutions. "Integrating accelerator technologies in Dell's PowerEdge portfolio opens up new usage models, and extends our ability to deliver more cycles to a broader base of scientific and commercial users."

With the introduction of Dell's new PowerEdge R720 server, customers receive a fully integrated x86-based system with up to two NVIDIA Tesla GPUs. The new servers deliver massive amounts of additional computing performance in a small footprint for the most demanding workloads.

Bolstering its desk-side and workgroup lineup, Dell's new PowerEdge T620 server is now available with up to four NVIDIA Tesla and/or NVIDIA Quadro® cards for design and structural analysis applications, including Autodesk 3ds Max and ANSYS Mechanical.

Tesla GPUs are massively parallel accelerators based on the NVIDIA CUDA® parallel computing platform. Tesla GPUs are designed from the ground up for [high performance computing](#), computational science and supercomputing, delivering significantly higher performance than CPU-only systems for a range of scientific and commercial applications.

For more information about NVIDIA Tesla GPUs, visit the [NVIDIA web site](#). To learn more about CUDA, visit the [CUDA web site](#). For more NVIDIA news, company and product information, videos/images, and other information, visit the [NVIDIA newsroom](#).

The new Dell PowerEdge R720 and T620 servers are available now from Dell and its channel partners. For more information, visit the [Dell web site](#).

### 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 [smart phones](#) 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 visual effects in movies and design everything from golf clubs to jumbo jets. And researchers utilize GPUs to advance the frontiers of science with [high-performance computing](#). The company holds more than 2,200 patents worldwide, 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 impact and benefits of the NVIDIA Quadro and NVIDIA Tesla GPUs; the inclusion of NVIDIA Quadro and NVIDIA Tesla GPUs in Dell servers, and the availability of the NVIDIA Quadro and NVIDIA Tesla GPUs in Dell 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 October 30, 2011. 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

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