NVIDIA Sets New Standard for Workstation Performance and Reliability

New Lineup of Kepler-Based NVIDIA Quadro Professional Graphics Delivers Unprecedented Capabilities to Millions of Content-Creation, Design, Engineering Professionals

NVIDIA (NASDAQ: NVDA) today unveiled a range of NVIDIA® Quadro® professional graphics products that offer unprecedented workstation performance and capabilities for professionals in manufacturing, engineering, medical, architectural, and media and entertainment companies.

Built on the ultra-efficient processing power of the NVIDIA Kepler™ architecture -- the world's fastest, most efficient GPU architecture -- the new lineup includes:

- NVIDIA Quadro K4000 - A high-end card that delivers blazing-fast performance for graphics-intensive applications. Has 3GB of onboard memory, multi-monitor support and stereo capability in a single-slot configuration.
- NVIDIA Quadro K2000 - A midrange card that offers outstanding performance with a broad range of professional applications. Comes with 2GB of onboard memory to hold large models and multi-monitor support for enhanced desktop productivity.
- NVIDIA Quadro K2000D - A variant of the Quadro K2000, with native support for two dual-link DVI display connectors for interfacing with ultra-high-resolution medical imaging displays.
- NVIDIA Quadro K600 - An entry-level card with great performance and certifications for leading professional applications. Equipped with 1GB of onboard memory, comes in a low-profile design for maximum usage flexibility.

"With NVIDIA Kepler GPUs, we can create fully ray-trace rendered images of a bike before we actually build it," said Nick Schoeps, senior engineer at MotoCzysz, a Portland, Ore., engineering firm that designs, builds and races custom electric motorcycles. "Previously we'd rely only on still renders or low-fidelity motion during design reviews. With Quadro Kepler, we can work with highest quality settings always on. That's a huge advantage and something we hadn't been able to do before."

The new cards expand the Quadro technology family -- which includes Quadro K5000, Quadro K5000 for Mac, and the complete Quadro mobile workstation product lineup -- to deliver an unmatched professional application experience, enhanced visual workspace and proven Quadro compatibility and reliability. Features include:

- Next-generation streaming multiprocessor engine (SMX), delivering up to 50 percent faster visualization performance and twice the compute horsepower of previous-generation products.
- Larger, faster onboard GPU memory to let designers and animators work with larger models and richer scenes while maintaining smooth interactivity during design, visualization and simulation.
- Exclusive NVIDIA FXAA (fast approximate anti-aliasing) and NVIDIA TXAA (temporal anti-aliasing) technologies that deliver stunning movie-style image quality and realism while maintaining a fully interactive experience compared to traditional approaches.
- Support for up to four displays from a single card, enabling desktop workspace expansion for higher productivity and dramatically simplified deployment of display walls and immersive display environments.
- NVIEW® Desktop Management Software to boost personal productivity with multi-display setups through intuitive window management, virtual desktops and application management.
- Scale-up computation using the second generation NVIDIA Maximus™ platform, which pairs the Quadro card with an NVIDIA Tesla® K20 GPU compute card.
- Easily scale applications to higher resolution using NVIDIA Mosaic technology, which combines up to 16 displays as a single large display.

"NVIDIA Quadro with Kepler architecture offers no-compromise workflow acceleration for customers with exacting computing and graphics demands," said Sandeep Gupte, senior director of the Professional Solutions Group at NVIDIA. "Kepler offers a future-safe GPU solution, whether professionals are integrating more realism and physics into their manufacturing designs or dealing with the complex demands of 4K workflows in broadcast and film."

Unleashing Distinctive Capabilities Across Industries
In manufacturing and AEC (architecture, engineering and construction) industries, professionals can work with complete assemblies and visualize more of their designs, with more realism, across a larger display surface. Architects can now harness the compute power of Quadro GPUs to showcase their vision to clients with amazing realism, using physically accurate rendering techniques.

In media and entertainment, content creators can enjoy fast performance and features that enable them to tell dramatic visual stories without interrupting their creative flow. Film editors and animators can work with more interactive visual effects to create richer scenes with more textures and smooth interactivity.

"Our Kepler-based Quadro card driving the Premiere Pro Mercury Playback Engine blew away our Final Cut performance," said Anthony Safarik, editorial supervisor at Stargate Studios, an award-winning production company in South Pasadena, Calif. "With the Quadro K5000 and Adobe Premiere Pro, we eliminated an hour of upfront rendering and another 20 minutes of rendering the linear effect on top of that. That's substantial time savings, especially when a roomful of producers, directors and visual effects supervisors are standing over your shoulder."

Availability and Pricing
The new NVIDIA Quadro products have estimated U.S. retail pricing as follows: Quadro K4000, $1,269; Quadro K2000 and Quadro K2000D, $599; Quadro K600, $199. They are available now from authorized distribution partners, including PNY Technologies in North America and Europe, ELSA in Japan, and Leadtek in Asia Pacific.

Certifications and Support
More than 150 leading software vendors certify and support Quadro-powered workstations, which have earned the reputation as the industry's most recommended and best tuned professional graphics solutions. The world's leading workstation original equipment manufacturers -- including HP, Dell, Lenovo

and Fujitsu, plus systems integrators such as BOXX Technologies and Supermicro -- will offer new Quadro-powered workstations.

"HP Workstation customers are professionals at the top of their game, running mission-critical applications that require the best in performance, reliability and innovation," said Jeff Wood, vice president of worldwide marketing, Commercial Solutions Business Unit, HP. "As the workstation industry leader, our graphics-intensive customers demand the type of high-end performance that the NVIDIA Kepler architecture provides."

"Dell Precision workstations are Dell's highest-performing systems with industry-leading dependability and smart design," said Efrain Rovira, executive director, Dell Precision Workstations. "We are pleased to offer NVIDIA's new range of Quadro professional graphics and provide our engineering and design customers even faster graphics performance to enhance their creative workflows."

"Lenovo's ThinkStation workstations embody power and innovation," said Rob Herman, director of Product and Vertical Marketing, Lenovo. "With GPUs running on NVIDIA's Kepler architecture, our customers across product design, medical research, architecture and more can now get their jobs done faster and better than ever before."

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, pricing, impact, features and benefits of NVIDIA Quadro GPUs; the impact, features and benefits of the NVIDIA Maximus platform and NVIDIA Mosaic technology; 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 28, 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.

About NVIDIA

Since 1993, NVIDIA (NASDAQ : NVDA) has pioneered the art and science of visual computing. The company's technologies are transforming a world of displays into a world of interactive discovery — for everyone from gamers to scientists, and consumers to enterprise customers. More information at http://nvidianews.nvidia.com/ and http://blogs.nvidia.com/.

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