The new family of advanced NVIDIA professional graphics is fueled by NVIDIA Kepler™—NVIDIA’s most powerful GPU architecture ever—delivering unprecedented performance and innovative capabilities to boost your success. Whether you’re creating revolutionary products, designing groundbreaking architecture, reviewing the fine details in a CT/MRI scan, or telling spectacularly vivid visual stories, NVIDIA professional solutions let you do it better and faster.

NVIDIA® Quadro® 3D Workstation
Professional Graphics Solutions
Designed and built specifically for professional workstations, NVIDIA Quadro GPUs power more than 150 professional applications across a broad range of industries. Professionals trust them to deliver the best possible experience in applications such as Adobe® Creative Suite, Avid Media Composer, Autodesk Inventor, Dassault Systemes CATIA and SolidWorks, Siemens NX, PTC Creo, and many more.

NVIDIA® Tesla® Co-Processors
NVIDIA Tesla GPU parallel processors provide the highest-performance NVIDIA CUDA® acceleration for your workflow. Designed for professional systems and demanding professional applications, Tesla GPUs perform the complex calculations required for CAE/CFD calculations, seismic processing, ray-traced rendering, compositing, image processing, physics, and effects many times faster than a CPU.

NVIDIA® Maximus™ Platform
NVIDIA Maximus-powered workstations combine the industry-leading professional 3D graphics capability of NVIDIA Quadro GPUs with the high-performance computing power of NVIDIA Tesla GPUs. Tesla co-processors automatically perform the heavy lifting of rendering or CAE computations, freeing the Quadro GPUs to do what they do best—enabling rich interactive graphics.

NVIDIA® NVS™ Commercial Graphics Solutions
NVIDIA NVS graphics boards provide robust IT management tools for seamless enterprise deployment. This makes them the trusted solution of choice financial institutions, emergency call centers, digital signage systems, and other mission-critical environments.
### GPU Specifications

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<thead>
<tr>
<th>GPU</th>
<th>NVIDIA® CUDA® Processing Cores</th>
<th>GPU Memory</th>
<th>Memory Bandwidth</th>
<th>Floating-Point Performance (GigaFlops)</th>
<th>Error Correcting Code (ECC) Memory</th>
<th>Floating-Point Performance (GigaFlops)</th>
<th>Dual-Link DVI</th>
<th>DisplayPort 1.1</th>
<th>DisplayPort 1.2</th>
<th>HDMI/VGA Adapter</th>
<th>Maximum Active Displays</th>
<th>FxAA/MaxNav</th>
<th>NVIDIA® FXAA™</th>
<th>NVIDIA® TXAA™</th>
<th>NVIDIA® SLI®</th>
<th>NVIDIA® Maximus™</th>
<th>GPUs Direct™ for Video</th>
<th>Graphics</th>
<th>SpectraMax™</th>
<th>NVIDIA® 3D Vision™</th>
<th>NVIDIA® Quadro® Mass Interconnect Technology</th>
<th>GPU Direct™ for Video</th>
<th>NVIDIADirectX™</th>
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### Performance

- Quadro K4000, K2000, and K2000D are equipped with 3 on-board display connectors with the option to connect a fourth display using a supported DisplayPort 1.2 Multi-Stream capable hub or displays.
- DisplayPort 1.2 Multi-Stream's new multi-streaming capabilities. 4 Displays require a supported DisplayPort 1.2 Multi-Stream capable hub or displays.
- Quadro K-series GPUs are only compatible with NVIDIA Quadro Sync.
- Other GPUs listed are compatible only with Quadro K-Sync II.
- Requires 3D Vision-ready display. Visit www.nvidia.com/3Dvision
- Quadro K-series GPUs are only compatible with Tesla K20. Other GPUs listed are compatible only with Tesla C2075.
- Ensures data integrity and reliability by eliminating soft errors on DRAM only.
- On Mac OS X, DisplayPort 1.2 Multi-streaming feature is currently not supported. Also available for All-in-One workstations.
- On Mac OS X, 4x on Windows.
- Also available for All-in-One workstations.

### Display Technology

- Maximum Active Displays
- FxAA/MaxNav
- NVIDIA® FXAA™
- NVIDIA® TXAA™
- NVIDIA® SLI®
- NVIDIA® Maximus™
- GPUs Direct™ for Video
- Graphics
- SpectraMax™
- NVIDIA® 3D Vision™
- NVIDIA® Quadro® Mass Interconnect Technology
- GPU Direct™ for Video
- NVIDIA® 3D Vision

### Options

- NVIDIA® CUDA®
- NVIDIA Quadro®
- NVIDIADirectX™
- NVIDIA® SLI®
- NVIDIA® Maximus™

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