


[Home](#)
[Products](#)
[Technologies](#)
[Communities](#)
[Company Info](#)
[Press](#)
[Support](#)
[Where To Buy](#)

Neue Produkte

[Speichererweiterung für Desktop-PCs](#)
[Speichererweiterung für Notebooks](#)
[Flash-Speicherkarten](#)
[Mobile Flash Cards](#)
[USB-Speichersticks](#)
[GeForce-Grafikkarten](#)

NVIDIA QUADRO® - Grafikkarten für Professionals

- ▮ NVIDIA Quadro®
- ▮ NVIDIA Quadro® for ADOBE® Creative Suite® 5
- ▮ NVIDIA Quadro® SonderProdukte
- ▮ NVIDIA Quadro® NVS
- ▮ NVIDIA Quadro® PLEX
- ▮ Service & Commitment
- ▮ Fallbeispiele
- ▮ ISV-Zertifizierungen
- ▮ Auslaufprodukte / Eingestellte Produkte

[Solid State Drives](#)
[NVIDIA TESLA - High Performance Computing](#)

PRODUCTS



NVIDIA Quadro® 6000 - NEW!!

Part No : VCQ6000-PB

FEATURES

WORLD'S FIRST 6GB PROFESSIONAL GRAPHICS SOLUTION

NVIDIA Quadro 6000 by PNY delivers the industry's largest 6GB GDDR5 graphics memory. Built on the innovative Fermi architecture and providing 448 NVIDIA® CUDA™ parallel processing cores, the Quadro 6000 delivers up to 5X faster performance across a broad range of design, animation and video applications.

Modern applications harness the latest NVIDIA® CUDA™ parallel processing architecture of Quadro GPUs to deliver performance gains up to 8X faster when running computationally intensive applications such as ray tracing, video processing and computational fluid dynamics. For high-precision, data-sensitive applications, Quadro is the only professional graphics solution with ECC memory and fast double precision capabilities to ensure the accuracy and fidelity of your results. From medical imaging to structural analysis applications, data integrity and precision is assured, without sacrificing performance.

Memory Size: 6GB GDDR5
Memory Interface : 384-bit
Memory Bandwidth : 144 GB/sec
Max Power Consumption : 225W
Number of Slots : 2
Display Connectors : DVI-I + DP + DP + Stereo
Dual-Link DVI : 1

NVIDIA Quadro 6000 will be available in Oct. 2010

[Bezugsquellen](#)

KEY FEATURES AND BENEFITS:

Next-Generation NVIDIA® CUDA™ Architecture
Breakthrough NVIDIA CUDA parallel computing architecture, code named Fermi, tightly integrates advanced visualization and compute features delivering performance that greatly accelerates professional workflows.

NVIDIA® Scalable Geometry Engine™
Dramatically improves geometry performance across a broad range of CAD, DCC and medical applications, enabling you to work interactively with models and scenes that are an order of magnitude more complex than ever before.

Framebuffers up to 6 GB of GDDR5 Memory with Ultra-Fast Bandwidth
Industry's first GPU with 6 GB of memory and memory bandwidth of 144 GB/sec for display of large models and complex scenes, as well as computation of massive datasets.

Error Correcting Codes (ECC) Memory
Meets strict requirements for mission critical applications with uncompromised computing accuracy and reliability for workstations. Offers protection of data in memory to enhance application data integrity.

NVIDIA® Parallel DataCache™
Supports a true cache hierarchy combined with on-chip shared memory. L1 and L2 caches drive exceptional throughput, accelerating features such as real-time ray tracing, physics and texture filtering.

Fast 64-Bit Floating Point Precision
Industry's fastest double precision floating point performance enabling accurate results on mission-critical applications, including computer-aided-design, finite element analysis to computational fluid dynamics.

NVIDIA GigaThread™ Engine
Provides up to 10x faster context switching compared to previous generation architectures, concurrent kernel execution, and improved thread block scheduling

Dual Copy Engines
Enables the highest rates of parallel data processing and concurrent throughput between the GPU and host, accelerating techniques such as ray tracing, color grading and physical simulation

Fast 3D Texture Transfer
Fast transfer and manipulation of 3D textures resulting in more interactive visualization of large volumetric datasets.

Full-Scene Antialiasing (FSAA)
Up to 128X FSAA dramatically reduces visual aliasing artifacts or "jaggies," resulting in unparalleled image quality and highly realistic scenes.

GPU Tessellation with Shader Model 5.0

Quadro Tessellation Engines automatically generate finely detailed geometry, for cinematic quality environments and scenes, without sacrificing performance.

16K Texture and Render Processing

The ability to texture from and render to 16K x 16K surfaces. Beneficial for applications that demand the highest resolution and quality image processing.

NVIDIA High Precision High Dynamic Range (HDR) Technology

Sets new standards for image clarity and quality through floating point capabilities in shading, filtering, texturing, and blending. Enables unprecedented rendered image quality for visual effects processing.

High-Quality Display Connectors

Attaches to ultra-high-resolution panels producing phenomenal photorealistic image quality from a range of display connectors. Through the GPU, supports two active connectors including, dual-link DVI-I with up to 3840 x 2400 @ 24Hz, DisplayPort with up to up to 2560 x 1600 @ 60Hz.

30-Bit Color Fidelity

30-bit color fidelity (10-bits per color) enables billions rather than millions of color variations for rich, vivid image quality with the broadest dynamic range.

OpenGL Quad Buffered Stereo Support

OpenGL Quad Buffered Stereo offers professional applications the capability of smooth and immersive 3D Stereo experience.

3D Stereo Synchronization

Enables robust control of stereo effect through a dedicated 3-pin mini-din connection between the graphics card and 3D stereo hardware.

NVIDIA® SLI® Mosaic Technology

NVIDIA SLI Mosaic Technology enables transparent scaling of any application, tear-free across up to four display channels, including support for 4K projection, while delivering full performance from a single SLI certified workstation. Available on Quadro SLI certified platforms only.

Ultra-Quiet Design

Acoustics lower than 28db for an ultra-quiet desktop environment.

Package Contains

- NVIDIA Quadro 6000 by PNY graphics board
- One DP to DVI-D (SL) adapter
- One DVI-I to VGA adapter
- Auxiliary power connector cable
- Drivers for Windows XP, Vista, 7 and Linux
- Detailed Installation Guide
- QuickStart Installation Guide
- NVIDIA Quadro® AutoCAD and 3dsMax Performance Drivers

Supported Platforms

- Microsoft® Windows® 7 (64-bit and 32-bit)
 - Microsoft® Windows® Vista™ (64-bit and 32-bit)
 - Microsoft Windows XP (64-bit and 32-bit)
 - Microsoft Windows 2000 (32-bit)
 - Linux® – full OpenGL implementation with NVIDIA and ARB extensions (64-bit and 32-bit)
- Solaris®

Minimum System Requirements

- PC compatible with Intel Pentium® 4/Xeon® or AMD Opteron® class processor or higher
- Open PCI Express x16 lane slot
- 1GB system memory, 2GB recommended
- 100MB of available disk space for full installation
- CD-ROM or DVD-ROM drive
- VGA, DVI-I or DisplayPort compatible display
- 600W power supply

SKUs and EAN

- Retail: VCQ6000-PB
- EAN: 3536403338411
- Bulk (unit SKU, only sold by carton of 10 cards): VCQ6000-BLK-1