absolut technologies

Visualizações Inteligentes

PNY

Quadro FX 1400

NVIDIA QUADRO FX ARCHITECTURE ACHIEVES UNPRECEDENTED PERFORMANCE The NVIDIA Quadro® FX 1400 by PNY mid-range professional graphic board provides the best blend of quality, precision, performance, programmability and price for all professional 3D applications.

The NVIDIA Quadro FX architecture takes application performance to new levels by featuring an array of parallel vertex engines, a radically new line engine and fully programmable pixel pipelines coupled to a high-speed graphics DRAM bus. Pipeline efficiency is further multiplied by NVIDIAs next-generation crossbar memory architecture, enabling occlusion-culling, lossless depth Z-buffer, and color compression.

KEY FEATURES & BENEFITS
Proven Professional Graphics Architecture Parallel vertex engines, programmable pixel pipelines, and workstation specific features result in the industrys highest application performance and quality.

Advanced Vertex and Pixel Programmability
Enables real-time shaders to simulate a wide range of physical effects and surface properties.

Full 128-bit Precision Graphics Pipeline
Enables mathematical computations to maintain high accuracy, resulting in unmatched visual quality.

12-bit Subpixel Precision
3x that of the nearest competitive professional graphics, 12-bit subpixel precision delivers high geometric accuracy, eliminating spreckles, cracks, and other rasterization anomalies.

High Quality Full-Scene Antialiasing (FSAA)
Up to 16x FSAA dramatically reduces visual aliasing artifacts or "jaggies" at resolutions up to 3840x2400, resulting in highly realistic scenes.

PCI Express Support
Designed specifically to take advantage of the next-generation PCI Express bus architecture. This new bus doubles the bandwidth of AGP 8X delivering over 4 GB per second in both upstream and downstream data transfers.

Unified Driver Architecture
Provides easy installation and manageability through a single unified driver for large scale system deployment. The performance and power of the NVIDIA Quadro FX are built on a solid foundation of quality engineering. This engineering excellence is exemplified by the NVIDIA Unified Driver Architecture (UDA), which is certified for quality by the entire spectrum of CAD and DCC applications.

NVIDIA QUADRO FX WORKSTATION GPU:
- Full 128-bit floating-point precision pipeline
- 12-bit subpixel precision
- 8 pixels per clock rendering engine
- Hardware accelerated antialiased points and lines
- Hardware OpenGL overlay planes
- Hardware accelerated two-sided lighting
- Hardware accelerated clipping planes
- 3rd-generation occlusion culling
- 16 textures per pixel
- OpenGL quad-buffered stereo (3-pin sync connector)
- Hardware-Accelerated Pixel Read-Back

NEXT GENERATION SHADING ARCHITECTURE:
- Fully programmable GPU (OpenGL 1.5/DirectX 9.0 class)
- Long fragment and vertex programs (up to 65,536 instructions)
- Looping and subroutines (up to 256 loops per vertex program)
- Dynamic flow control
- Conditional execution

HIGH-LEVEL SHADER LANGUAGES:
- Optimized compilers for Cg, OpenGL shading language, and Microsoft HLSL
- OpenGL 1.5 and DirectX 9.0 support
- Open source compiler

ARCHITECTURE:
- x16 PCI-Express
- 128MB high-speed DDR frame buffer
- 128-bit IEEE floating-point precision graphics pipeline
- 128-bit color
- 32-bit floating point frame buffer
- 12-bit subpixel precision
- Unlimited programmability
- 3D volumetric textures
- Single-system powerwall

PNY TECHNOLOGIES

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PACKAGE CONTAINS:
- NVIDIA Quadro FX 1400 PCI Express graphics board
CD-ROM Containing:
- Drivers for Windows XP, 2000 & NT including DirectX 9.0 and OpenGL 1.5 support
- Detailed Installation Guide
- Quickstart Installation Guide
- Quadro® Application Utilities CD-ROM (MAXtreme?, POWERdraft?)
- DVI to VGA Adapters

MINIMUM SYSTEM REQUIREMENTS:
- PC compatible with Intel Pentium® 4/Xeon® or AMD Athlon®/Opteron® class processor or higher
- PCI Express x16 lane bus
- Microsoft Windows® XP, 2000, NT4.0, (Service Pack 6) or Linux®
- 128MB system memory
- 50MB of available disk space for full installation
- CD-ROM or DVD-ROM drive
- VGA or DVI-I compatible monitor
- 350W Power Supply