REAL TIME RAY TRACING FOR PROFESSIONALS

NVIDIA® Quadro RTX™ 6000, powered by the NVIDIA Turing™ architecture and the NVIDIA RTX™ platform, brings the most significant advancement in computer graphics in over a decade to professional workflows. Designers and artists can now wield the power of hardware-accelerated ray tracing, deep learning, and advanced shading to dramatically boost productivity and create amazing content faster than ever before. Equipped with 4608 CUDA cores, 576 Tensor cores, 72 RT Cores and massive 24GB GDDR6 memory, Quadro RTX 6000 can render complex models and scenes with physically accurate shadows, reflections, and refractions to empower users with instant insight. Support for NVIDIA NVLink® enables applications to scale memory and performance with multi-GPU configurations. And with the industry’s first implementation of the VirtualLink® port, Quadro RTX 6000 provides simple connectivity to the next-generation of high-resolution VR head-mounted displays to let designers view their work in the most compelling virtual environments possible.

Quadro cards are certified with a broad range of sophisticated professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists. This gives you the peace of mind to focus on doing your best work. Whether you’re developing revolutionary products or telling spectacularly vivid visual stories, Quadro gives you the performance to do it brilliantly.

FEATURES
- Four DisplayPort 1.4 Connectors
- VirtualLink Connector
- DisplayPort with Audio
- VGA Support
- 3D Stereo Support with Stereo Connector
- NVIDIA GPUDirect™ Support
- Quadro Sync II ™ Compatibility
- NVIDIA nView® Desktop Management Software
- HDCP 2.2 Support
- NVIDIA Mosaic®

PACKAGE CONTENTS
- NVIDIA Quadro RTX 6000
- Quadro RTX Quick Start Guide
- Quadro Support Guide
- 1 DisplayPort to DVI Adapter
- Auxiliary Power Cable (8-pin to dual 6-pin adapter)

WARRANTY AND SUPPORT
- 3-Year Warranty
- Pre- and Post-Sales Technical Support
- Dedicated Field Application Engineers
- Direct Tech Support Hot Lines

PNY PART NUMBER VCQRTX6000-PB

SPECIFICATIONS
- GPU Memory: 24 GB GDDR6
- Memory Interface: 384-bit
- Memory Bandwidth: Up to 672 GB/s
- ECC: Yes
- NVIDIA CUDA Cores: 4608
- NVIDIA Tensor Cores: 576
- NVIDIA RT Cores: 72
- Single-Precision Performance: 16.3 TFLOPS
- Tensor Performance: 130.5 TFLOPS
- NVIDIA NVLink: Connects 2 Quadro RTX 6000 GPUs
- NVIDIA NVLink bandwidth: 100 GB/s (bidirectional)
- System Interface: PCIe Express 3.0 x 16
- Power Consumption: Total board power: 295 W, Total graphics power: 260 W
- Thermal Solution: Active
- Form Factor: 4.4” H x 10.5” L, Dual Slot, Full Height
- Display Connectors: 4xDP 1.4, 1x USB-C
- Max Simultaneous Displays: 4x 4096x2160 @ 120 Hz, 4x 5120x2880 @ 60 Hz, 2x 7680x4320 @ 60 Hz
- Encode / Decode Engines: 1X Encode, 1X Decode
- VR Ready: Yes
- Graphics APIs: DirectX 12.0™, Shader Model 5.1™, OpenGL 4.9, Vulkan 1.0™
- Compute APIs: CUDA, DirectCompute, OpenCL™

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