THE WORLD'S FIRST RAY TRACING GPU
NVIDIA QUADRO RTX 6000

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 24 GB 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 new VirtualLink®[6],Quadro RTX 6000 provides connectivity to the next-generation of high-resolution VR headmounted 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
- > DisplayPort with Audio
- > 3D Stereo Support with Stereo Connector[1]
- > NVIDIA GPUDirect™ Support
- > Quadro Sync II Compatibility[2]
- > NVIDIA nView® Desktop Management Software
- > HDCP 2.2 Support
- > NVIDIA Mosaic[3]
- > VirtualLink Connector[6]

PACKAGE CONTENTS

- > NVIDIA Quadro RTX 6000 Professional Graphics Board
- > Printed Support Guide
- > Printed Quick Start Guide
- > 8-Pin Auxiliary Power Cable
- > One DP to DVI-D SL Adapter
- > One DP to HDMI 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 |
| EAN CODE | 3536403366926 |

SPECIFICATIONS

GPU Memory	24 GB GDDR6
Memory Interface	384-bit
Memory Bandwidth	Up to 672 GB/s
ECC	Yes
NVIDIA CUDA Cores	4.068
NVIDIA Tensor Cores	576
NVIDIA RT Cores	72
Single-Precision Performance	16.3 TFLOPS
Tensor Performance	130.5 TFLOPS
NVIDIA NVLink	Yes
NVIDIA NVLink bandwidth	100 GB/s
System Interface	PCI Express 3.0 x 16
Max Power Consumption	260 W (295 W incl. VL)
Thermal Solution	Active
Form Factor	111,76 mm H x 266,7 L, Dual Slot, Full Height
Display Connectors	4xDP 1.4, 1x VirtualLink
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	Model 5.1, OpenGL 4.5[7], DirectX 12.0[8], Vulkan 1.0[7]
Compute APIs	CUDA, DirectCompute, OpenCL™