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 NVLink¹ enables applications to scale memory and performance with multi-GPU configurations². And with the industry’s first implementation of the new VirtualLink®³ 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.

To learn more about the NVIDIA Quadro RTX 6000 visit www.nvidia.com/quadro

³ NVIDIA NVLink sold separately | ¹ Connecting two RTX 6000 cards with NVLink to scale performance and memory capacity to 48 GB is only possible if your application supports NVLink technology. Please contact your application provider to confirm their support for NVLink. | ² In preparation for the emerging VirtualLink standard, Turing GPUs have implemented hardware support according to the “VirtualLink Advance Overview”. To learn more about VirtualLink, please see www.virtuallink.org | ³ Quadro Sync II card sold separately | ⁴ Windows 7, 8, 8.1, 10 and Linux | ⁵ NVIDIA CUDA Cores | ⁶ NVIDIA Tensor Cores | ⁷ NVIDIA RT Cores | ⁸ NVIDIA CUDA Cores

16.3 TFLOPS

130.5 TFLOPS

Connects 2 Quadro RTX 6000 GPUs

100 GB/s (bidirectional)

PCI Express 3.0 x 16

Total board power: 295 W

Total graphics power: 260 W

Active

4.4” H x 10.5” L, Dual Slot, Full Height

4xDP 1.4, 1x USB-C

4x 4096x2160 @ 120 Hz, 4x 5120x2880 @ 60 Hz, 2x 7680x4320 @ 60 Hz

1X Encode, 1X Decode

VR Ready

DirectX 12.0¹, Shader Model 5.1¹, OpenGL 4.6¹, Vulkan 1.1¹

CUDA, DirectCompute, OpenCL¹

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