



NVIDIA RTX SERVER

HIGH-PERFORMANCE VIRTUAL WORKSTATIONS

RTX-Accelerated Performance on Any Device, Anywhere

From stunning industrial design to advanced special effects to complex scientific visualization, NVIDIA Quadro RTX™ is the world's preeminent visual computing platform. Quadro RTX 6000 and RTX 8000 GPUs with NVIDIA® Quadro® Virtual Data Center Workstation (Quadro vDWS) software combine to make up the RTX Server platform. These solutions deliver the most efficient, powerful high-end virtual workstation performance from the data center or cloud to any device, anywhere. Millions of creative and technical professionals can access the most demanding applications from whatever device they use, work from anywhere, and tackle larger datasets—all while meeting the need for greater security.

NVIDIA RTX is an ideal solution for virtual workstations across multiple industries.



MEDIA AND ENTERTAINMENT

Ray tracing, rendering, DLSS, and working with very large graphics-intensive scenes. Virtualized workstations, AI-accelerated workflows



MANUFACTURING

Ray tracing, rendering, simulation, procedural generation modeling, and working with very large 3D models and images



ARCHITECTURE, ENGINEERING AND CONSTRUCTION (AEC)

Ray tracing, procedural generation modeling, global illumination rendering, simulation, and working with very large 3D models and complex designs



ENERGY

Anomaly detection simulation, 3D volume rendering, remote interactive exploration of massive datasets and complex 2D/3D images



HEALTHCARE

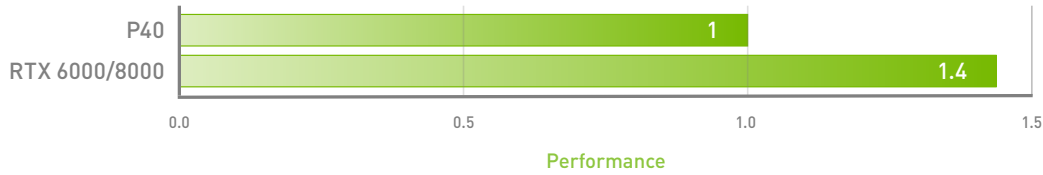
3D medical imaging and volume rendering, remotely viewing and editing very large and complex medical images.



TELCO

Augmented reality (AR) and virtual reality (VR) at the edge over 5G

1.4X Improved 3D Graphics Performance with Quadro RTX 6000/8000



NVIDIA GPU-Accelerated Virtual Workstations Positioning and Recommendations

	LIGHT USERS Small to medium models, scenes, or assemblies with simple parts	MEDIUM USERS Large assemblies with simple parts or small assemblies with complex parts	HEAVY USERS Massive datasets, very large 3D models, complex designs, very large assemblies
RECOMMENDED SOLUTION	Quadro vDWS NVIDIA T4 NVIDIA P6 ¹	Quadro vDWS NVIDIA T4 NVIDIA P6 ¹	Quadro vDWS NVIDIA RTX 6000 NVIDIA P40, RTX 8000 ² , or V100 ³
GPU MEMORY	16 GB	16 GB	24 GB/32 GB/48 GB
EQUIVALENT PERFORMANCE	Multiple Quadro P1000s	Up to Quadro P4000	Up to Quadro RTX 8000
REPLACES	K2, M60, P4, M6	K2, M60, P4, M6	N/A

¹ Use P6 for blade server form factors.

² Use RTX 8000 for largest data sets and data science workloads.

³ Use V100 for dual precision workloads.



To learn more about NVIDIA RTX Server and availability from leading partners, visit www.nvidia.com/rtx-server