


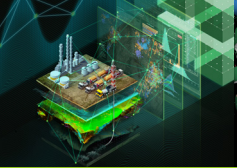
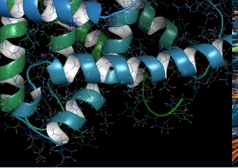



NVIDIA QUADRO RTX GPUs FOR VIRTUAL WORKSTATIONS SALES SHEET

TARGET MARKETS

INDUSTRY					
MEDIA & ENTERTAINMENT	MANUFACTURING	ARCHITECTURE, ENGINEERING & CONSTRUCTION (AEC)	ENERGY	HEALTHCARE	TELCO
					
USE CASE					
Ray tracing, rendering, DLSS and working with very large graphics-intensive scenes. Virtualized workstations, AI accelerated workflows.	Ray tracing, rendering, simulation, procedural generation modeling, and working with very large 3D models and images.	Ray tracing, procedural generation modeling, global illumination rendering, simulation, and working with very large 3D models and complex designs.	Anomaly detection simulation, 3D volume rendering, remote interactive exploration of massive datasets and complex 2D/3D images.	3D medical imaging and volume rendering, remotely viewing and editing very large and complex medical images.	Augmented reality (AR) and virtual reality (VR) at the edge over 5G.

THE SOLUTION AND HOW TO POSITION

NVIDIA Quadro RTX™ 6000 or RTX 8000 GPUs with **NVIDIA Quadro® Virtual Data Center Workstation** (Quadro vDWS) combine to make up the **RTX Server™** platform—the most efficient, comprehensive rendering solution for interactive virtual workstations to final batch rendering in the data center. The RTX 6000 or RTX 8000 GPUs with Quadro vDWS software bring new capabilities to professional workflows. Here's a list of benefits:

- > Hardware-accelerated ray tracing, deep learning, and advanced shading to dramatically boost productivity and create amazing content faster than ever before.
- > Largest frame buffer (48GB for RTX 8000) so that designers and engineers can work with increasingly larger scenes and models.
- > Assign **multiple GPUs** to a single VM to create an even more powerful virtual workstation, enabling creative professionals to arrive at their best designs faster.



NVIDIA QUADRO RTX GPUs FOR VIRTUAL WORKSTATIONS

SALES SHEET

- > 4,608 CUDA cores to speed simulation, global illumination, and accelerate leading rendering applications built on CUDA-X Graphics.
- > NVIDIA virtual GPU (vGPU) software **Management & Monitoring** tools, including **Live Migration**, to maximize data center resource utilization and uptime.
- > Deep Learning Super Sampling (DLSS) with NVIDIA RTX technology to harness the power of deep learning and AI to improve performance while maintaining visual quality.
- > Tensor cores with **AI denoising technology** to dramatically reduce the time to render a high fidelity image that is visually noiseless, enabling artists to iterate faster.
- > Procedural generation modeling to help engineers and creative professionals arrive at their best designs faster.
- > Bring the power of RTX to your data science workflow with virtual workstations powered by Quadro RTX GPUs to maximize productivity, reduce time to insight, and lower project costs.

	LIGHT USERS	MEDIUM USERS	HEAVY USERS
	Small to medium models, scenes or assemblies with simple parts	Large assemblies with simple parts or small assemblies with complex parts	Massive datasets, very large 3D models, complex designs, very large assemblies
RECOMMENDED SOLUTION	NVIDIA T4 or P6 with Quadro vDWS	NVIDIA T4 or P6 with Quadro vDWS	NVIDIA Quadro RTX 8000, RTX 6000, V100 or P40 with Quadro vDWS
GPU MEMORY	16 GB	16 GB	48 GB/32 GB/24 GB
EQUIVALENT PERFORMANCE	Multiple Quadro P1000	Up to Quadro P4000	Up to Quadro RTX 8000
REPLACES	K2, M60, P4, M6	K2, M60, P4, M6	N/A

Find a **certified server**
See NVIDIA Quadro vDWS [sizing guides](#)