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. NVIDIA® Quadro® Virtual Workstation (Quadro vWS) software combines with Quadro RTX™ 8000 or RTX 6000 GPUs to 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 Quadro Virtual Workstations power complex visualization across any industry.

**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
# NVIDIA GPU-Accelerated Virtual Workstations Positioning and Recommendations

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

<table>
<thead>
<tr>
<th>Light Users</th>
<th>Medium Users</th>
<th>Heavy Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small to medium models, scenes, or assemblies with simple parts</td>
<td>Large assemblies with simple parts or small assemblies with complex parts</td>
<td>Massive datasets, very large 3D models, complex designs, very large assemblies</td>
</tr>
</tbody>
</table>

### Recommended Solution

- **Light Users**: Quadro vWS, NVIDIA P6
- **Medium Users**: Quadro vWS, NVIDIA T4 RTX 6000, NVIDIA P6
- **Heavy Users**: Quadro vWS, NVIDIA RTX 6000 RTX 6000/8000, or V100

### GPU Memory

- **Light Users**: 16 GB
- **Medium Users**: 16 GB
- **Heavy Users**: 24 GB/32 GB/48 GB

### Equivalent Performance

- **Light Users**: Multiple Quadro P1000s
- **Medium Users**: Up to Quadro P4000
- **Heavy Users**: Up to Quadro RTX 8000

### Replaces

- **Light Users**: K2, M60, P4, M6
- **Medium Users**: K2, M60, P4, M6
- **Heavy Users**: N/A

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