
# UPGRADE TO THE NVIDIA QUADRO RTX 4000

## Step Up from the 2000 Series

Businesses are creating more complex designs and producing higher resolution digital content faster than ever to meet customer demands and time-to-market pressures. Technologies like photorealistic rendering, AI, VR, and simulation are rapidly becoming a part of professional workflows and as a result, entry and mid-range level workstations may lack the performance and features required by these demanding workflows. The NVIDIA® Quadro RTX™ 4000 delivers superior graphics performance and larger memory capacity with support for AI, VR, and compute augmented applications, giving professionals a workstation that is primed for today's challenging workflows and future-proofed for the demands of tomorrow.

Up to
**4.7X**[1]

Delivers faster graphics performance over 2000 class GPUs.

**VR Ready**

NVIDIA Turing™ Multi-View Rendering allows you to create rich, immersive VR experiences.

Up to
**6.4X**[2]

Accelerated rendering gives you performance boosts for applications like SOLIDWORKS Visualize.

**8 GB GDDR6 Memory**

Helps you work with larger models, scenes, and datasets.

## Most Powerful Single-Slot GPU Available

The Quadro RTX 4000 delivers more graphics, compute, and rendering power compared to previous generation 4000 class GPUs so that you can achieve true creative freedom. Designed to support the latest market-changing technologies, the RTX 4000 gives you access to the technologies you need to boost productivity and accelerate your workflows. The combined power of Turing RT Cores and Tensor Cores deliver over 3X[1] the graphics performance and 57 TFLOPs of AI performance so that you can easily tackle large AEC, DCC, AI, VR, and graphics workloads.

Up to
**23X**[3]

GPU-accelerated rendering performance boosts for applications like OctaneRenderer.

Up to
**5.9X**[2]

Accelerated rendering performance for applications like SOLIDWORKS Visualize.

Up to
**70%**[4]
**better VR**

Enhanced performance compared to previous 4000 class GPUs.

Up to
**4.7X**[1]

Delivers faster graphics performance over 4000 class GPUs.

"RTX technology is a game changer for our architectural visualization pipeline. We can iterate options to ascertain the optimal design in real-time without the need to wait hours for the render to come back."

–Gamma Basra
Partner/Head of Visualization,
Foster + Partners


## RTX 4000 KEY SPECIFICATIONS

| | |
|---|---|
| GPU Architecture | **NVIDIA Turing** |
| NVIDIA CUDA® Cores | **2304** |
| RT Cores | **36** |
| Tensor Cores | **288** |
| Memory Size | **8 GB GDDR6** |
| Memory Bandwidth | **Up to 416 GB/s** |
| Display Support | **3X DP + 1X USB-C** |
| VR Ready | **Yes** |
| VirtualLink | **Yes** |

Visit **www.nvidia.com/quadro** to learn more.

[1] Tests run on a workstation with Intel Xeon Gold 6154 CPU 3GHz (3.7GHz turbo) running Windows 10 RS5, 64GB RAM, Win 10 64-bit RS4, NVIDIA driver 430.64. Performance testing completed with publicly available SPECviewperf 13 benchmark information.

[2] Tests run on a workstation with Intel Xeon Gold 6154 CPU 3GHz (3.7GHz turbo), 64GB RAM, Win 10 64-bit RS4, NVIDIA driver 430.64. Performance testing completed with available SOLIDWORKS Visualize benchmark information.

[3] Tests run on a workstation with Intel Xeon Gold 6154 CPU 3GHz (3.7GHz turbo), 64GB RAM, Win 10 64-bit RS4, NVIDIA driver 430.64. Performance testing completed with available Octanebench benchmark information.

[4] Tests run on a workstation with Rampage VI Apex 7900X 3.3GHz, 16GB RAM, Win10 RS5, NVIDIA driver 418.67. Performance testing completed with publicly available VR Mark benchmark information.



NVIDIA