

STEP UP TO

NVIDIA Quadro RTX 4000

PNY



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NVIDIA RTX Technology Lets You Work Smarter and Faster



Real-Time Ray Tracing

Create cinematic quality, photorealistic renders



AI

Optimize workflows with AI-enhanced applications



8K

Work natively with 8K video content



NVIDIA GPU Cloud (NGC)

Discover the power of GPU-accelerated containers



VR

Build immersive experiences in VR

Innovation For Creative Professionals

NVIDIA® RTX™ Workstations

- View designs or scenes with photorealistic, cinema-quality, real-time ray tracing
- Add an AI assist from tasks ranging from design, rendering, or simulation
- Efficiently collaborate across geographically dispersed teams with VR

Reimagine the Data Center

NVIDIA Quadro RTX 8000 or RTX 6000 Active and Passive

- Accelerate data center workloads at a fraction of the cost of CPU-based solutions
- Access NVIDIA RTX benefits from the data center with NVIDIA Quadro vDWS software
- Combine NVIDIA RTX with NVIDIA Virtual Compute Server (vCS) software for AI, data science and deep learning

Find Your Perfect NVIDIA RTX Solution

GPU	MEMORY	MEMORY W/ LINK	RAY TRACING	CUDA CORES	RT CORES	TENSOR CORES
NVIDIA Quadro RTX 8000	48GB	96GB	10 GigaRays/sec	4608	72	576
NVIDIA Quadro RTX 8000 Passive	48GB	96GB	10 GigaRays/sec	4608	72	576
NVIDIA Quadro RTX 6000	24GB	48GB	10 GigaRays/sec	4608	72	576
NVIDIA Quadro RTX 6000 Passive	24GB	48GB	10 GigaRays/sec	4608	72	576
NVIDIA Quadro RTX 5000	16GB	32GB	8 GigaRays/sec	3072	48	384
NVIDIA Quadro RTX 4000	8GB	N/A	6 GigaRays/sec	2304	36	288

To learn more about NVIDIA RTX GPUs, email GOPNY@PNY.COM or visit WWW.PNY.COM/TURING

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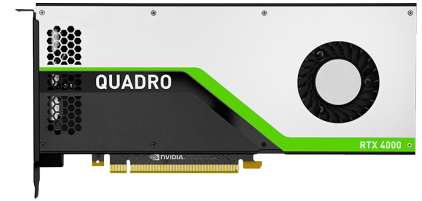
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Experience the next level in workstation acceleration with the NVIDIA Quadro RTX 4000. Featuring NVIDIA Turing™ GPU architecture, the NVIDIA Quadro RTX 4000 brings real-time ray tracing, advanced shading, and artificial intelligence capabilities to millions of design and visualization professionals.

With the NVIDIA Quadro RTX 4000, designers and creators get the edge necessary to create revolutionary products, design energy-efficient buildings, and produce ground-breaking visual effects with a workstation that lets them work better, smarter, and faster than ever before.



Ideal For



Design

Model, stimulate, test, and improve products like never before. With NVIDIA RTX, manufacturers can design and bring innovative products to market faster.



Media & Entertainment

From pre-vis to post-production, the industry's most critically acclaimed feature films require the latest technological advancements offered by NVIDIA RTX.



Architecture, Engineering & Construction

Leading-edge technologies, powered by NVIDIA RTX, are enabling AEC teams to optimize design workflows and build for the future.

	NVIDIA Quadro RTX 4000	NVIDIA Quadro P4000	Benefit
GPU Architecture	Turing	Pascal	Greatest leap forward since CUDA GPU
CUDA Cores	2304	1792	Significantly greater compute and rendering performance
RT Cores	36	N/A	Advanced shading and real-time ray tracing
Tensor Cores	288	N/A	Supports acceleration of AI/DL/ML/MV applications
FP32 Compute	7.1 TFLOPS	5.3 TFLOPS	FP32 performance 1.34x better
Memory Size	8 GB GDDR6	8 GB GDDR5X	Next generation memory technology
Memory Bus Width	256-bit	256-bit	Better bandwidth performance at same bus width
Peak Memory Bandwidth	416 GB/sec	243 GB/sec	Move data to and from GPU 1.71x faster
Display Support	USB Type-C to DP	4x DP 1.4	Single cable 8K HDR display and VR HMD support
Advanced Display	Quadro Sync II + Mosaic	Quadro Sync II + Mosaic	Synchronize up to 8 GPUs per system (32 displays)
Maximum Board Power	TGP 125 W TBP 160 W	TGP 105 W	Includes ability to power VR HMD via VirtualLink
Auxiliary Power Connector	8-pin PCIe	8-pin PCIe	Industry standard 8-pin PCIe connector
Form Factor	4.4" H x 9.5" L Single Slot	4.4" H x 9.5" L Single Slot	Identical form factor

FOR MORE INFORMATION :

Contact your GOPNY@PNY.COM, or visit WWW.PNY.COM/NVIDIA-QUADRO-RTX-4000

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