NVIDIA QUADRO RTX FOR SERVERS

Please contact us for information on Special EDU Discount Programs.

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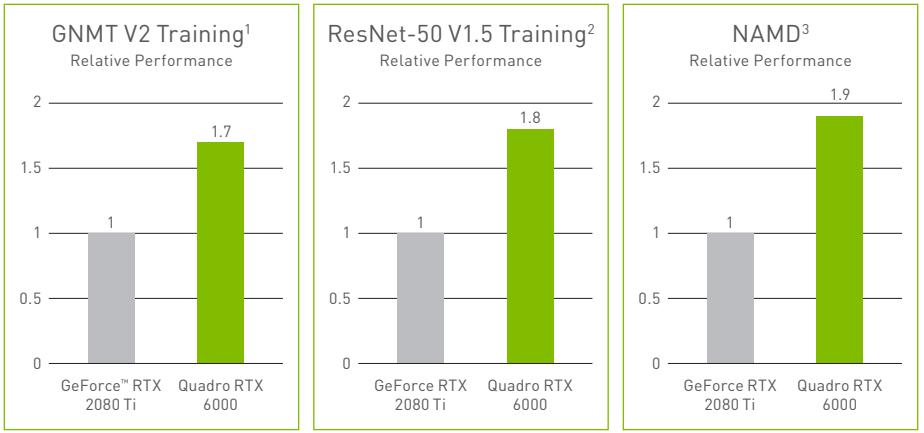
NVIDIA QUADRO RTX 6000 AND RTX 8000

Tackle the largest, most complex workloads from anywhere with servers powered by high-end NVIDIA® Quadro RTX™ GPUs. Built on the NVIDIA Turing™ architecture and NVIDIA RTX™ platform, the Quadro RTX 6000 and RTX 8000 are designed for maximum compatibility, support, and reliability within your server environment so your IT team can deploy servers capable of a wide range of workloads. Get the peace of mind you need to work on mission-critical projects day or night with Quadro RTX.

Features include:

- Up to 72 RT Cores and 576 multi-precision Tensor Cores for advanced AI, real-time ray tracing, and graphics
- Virtualization capabilities that scale workstation performance through virtual workstations in the data center or cloud
- Support for NVIDIA NVLink® technology to scale memory and performance up to 96 gigabytes (GB) with multi-GPU configurations
- Active and passive cooling solutions to fit a variety of servers
- Certification with a broad range of professional applications
- Testing by leading server manufacturers
- A global team of support specialists available 24/7

BOOST DEEP LEARNING AND HIGH-PERFORMANCE COMPUTING



[1] Tests run on Xeon Gold 6140, single RTX 6000 and RTX 2080 Ti GPUs, mixed precision, Pytorch GNMT V2 training.

[2] Tests run on Xeon Gold 6140, dual RTX 6000 and dual RTX 2080 Ti GPUs, mixed precision, TensorFlow ResNet-50 V1.5 training benchmarks.

[3] Tests run on Xeon Gold 6140, on 4x RTX 6000 and 4x RTX 2080 Ti GPUs, FP32, NAMD 2.13 benchmarks.

MAXIMIZE SAVINGS ON COST AND SPACE

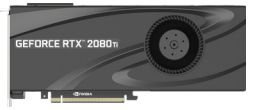
1/3
less servers required for better performance[4]

25%
savings in operating expenses[5]

LOWER
total cost of ownership[5]

[4] Comparison of an 8-GPU server with Xeon Cascade Lake processors. RTX 6000 delivers a 33% performance advance. 24 servers with RTX 6000 are comparable to 32 servers with RTX 2080 Ti.

[5] RTX 6000-powered servers require less space and power to manage, resulting in 25% less OpEx cost over 5 years for an overall 8% reduction in cost of ownership.



	BENEFIT	QUADRO RTX 6000 AND RTX 8000	GEFORCE RTX 2080 Ti
Workload Acceleration	Professional-grade hardware	Designed, manufactured, and tested by NVIDIA	Designed by NVIDIA, manufactured by third parties
	Cooling solution	Blower active fan and passive cooling; built for deployment in a wide range of workstation and server chassis	Blower active fan cooling only - not built or qualified for server deployment
	Virtualization	Quadro® Virtual Data Center Workstation (vDWS) software support	N/A
	Best application performance	Highly tuned drivers for professional applications across manufacturing/product design, architecture, energy, medical industries, and more	Tuned for select creative applications, gaming, and personal computing
	Advanced enterprise-class features	Large GPU memory with error-correcting code (ECC), GPUDirect® for Video, Mosaic multi-display, Quadro Sync, and more	N/A
	Scalable performance	> 16.3 teraFLOPS (TFLOPS) of FP32 performance > 130.5 TFLOPS of tensor performance > 24 GB of GDDR6 memory > Up to 672 gigabytes per second (GB/s) of memory bandwidth > NVLink to scale memory and app performance	> 14.2 TFLOPS of FP32 performance > 113.8 TFLOPS of tensor performance > 11 GB of GDDR6 memory > Up to 616 GB/s of memory bandwidth > NVLink for NVIDIA SLI® to scale game and creative app performance
Enterprise-Class Reliability	Mission-critical drivers	Stable, enterprise-grade Quadro drivers verified by test suites	GeForce Game Ready™ or Studio drivers
	Independent software vendor (ISV) certifications	Certified by major ISVs for 100+ professional apps	Certified for a subset of creative apps
	Data center ready	Optimized for enterprise workstation and server deployments for 24/7 reliability	N/A
IT Manageability	Ease of IT management	Local and remote access with virtualization capabilities	N/A
	Global support/warranty	Enterprise-level pre/post sales support; 3-year product warranty by NVIDIA	N/A Warrantied by third-party manufacturer
	Extended product availability	Bulk availability; full product lifecycle management	N/A N/A

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