

PNY VCNRTXA5000-PB graphics card



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Herstellernummer	VCNRTXA5000-PB
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PNY	

Perfectly Balanced. Blazing Performance

Two years ago, the NVIDIA® Quadro RTX™ platform revolutionized professional visual computing forever. Based on the NVIDIA Turing™ GPU architecture and armed with real-time ray tracing, accelerated AI, and photorealistic VR, it enabled designers and engineers to do their life's work at a level of quality and performance unlike ever before. But the pace of innovation and the drive to achieve new breakthroughs do not cease. And now, global circumstances have presented a new set of challenges for professionals to create, build, entertain and discover in a world that looks dramatically different than the recent past.

The NVIDIA RTX A5000 delivers the power, performance, capabilities, and reliability professionals need to bring their boldest ideas to life. And with 24 GB of GPU memory, you'll experience faster performance with your favorite applications. So you can tackle larger models, renders, datasets, and scenes with higher-fidelity and interactivity, releasing untapped potential for endless creativity from your desktop.

Incredible Application Performance

- Experience fast, interactive performance—powered by the latest NVIDIA Ampere architecture GPU—with ultra-fast, on-board graphics memory technology and optimized software drivers for professional applications.
- The NVIDIA RTX A5000 includes 64 RT Cores to accelerate photorealistic ray-traced rendering up to 2x faster than the previous generation. Hardware accelerated Motion BVH (bounding volume hierarchy) improves motion blur rendering performance by up to 7X when compared to previous generation.
- With 256 Tensor Cores to accelerate AI workflows, the RTX A5000 provides the power necessary for AI development and training workloads. Incredible inferencing performance, combined with Quadro enterprise-class stability and reliability, make RTX A5000-powered desktop workstations ideal for professional AI training and inferencing deployments.
- Scale application performance even more with NVIDIA NVLink technology that lets you combine two RTX A5000 cards to double the effective GPU memory and performance in a single workstation chassis to 48 GB.
- NGC™ support gives engineers, researchers, and data scientists access to NVIDIA-tuned, tested, certified, and maintained containers for the top deep learning frameworks, as well as third-party managed high-performance computing (HPC) containers, NVIDIA HPC visualization containers, and partner applications.

Rich, Expansive Visual Workspace

- Experience stunning imagery through movie-quality, anti-aliasing techniques, high-dynamic range (HDR) color support, higher refresh rates, and up to 8K screen resolution at 60 Hz from a single cable with the DisplayPort 1.4a standard.
- Enhance your desktop workspace experience with NVIDIA Quadro View desktop management software and NVIDIA Mosaic technology. Work across four displays on every Quadro card with intuitive placement of windows, multiple virtual desktops, and user profiles.
- Use advanced multi-display technologies like Quadro Sync II, Quadro Mosaic, and Quadro Warp and Blend to synchronize images and scale resolution on a display surface with multiple projectors or screens.

Proven Reliability

- Experience higher-quality products driven by power-efficient hardware and components selected for optimum operational performance, durability, and longevity.
- Enjoy maximum uptime thanks to exhaustive product testing with leading OEMs and system integrators that simulates the most

demanding real-world conditions.

- Easy Manageability
- Remotely monitor and manage Quadro products in your enterprise by integrating the NVIDIA Enterprise Management Toolkit (NVWMI) in your IT asset management framework.
- Scale up Quadro driver deployment to hundreds of workstations using NVWMI's powerful driver installer.
- Simplify software driver deployment through a regular cadence of long-life, stable driver releases based on a robust feature-development and quality-assurance process.

Zusammenfassung

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PNY VCNRTXA5000-PB, RTX A5000, 24 GB, GDDR6, 384 bit, 7680 x 4320 pixels, PCI Express x16 4.0

PNY VCNRTXA5000-PB. Graphics processor family: NVIDIA, Graphics processor: RTX A5000. Discrete graphics card memory: 24 GB, Graphics card memory type: GDDR6, Memory bus: 384 bit. Maximum resolution: 7680 x 4320 pixels. DirectX version: 12.0, OpenGL version: 4.5. Interface type: PCI Express x16 4.0. Cooling type: Active, Number of fans: 1 fan(s)

Merkmale

Logistics data

Harmonized System (HS) code	84733020
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Power

Supplementary power connectors	1x 8-pin
Power consumption (max)	230 W

System requirements

Windows operating systems supported	Y
Linux operating systems supported	Y

Ports & interfaces

Interface type	PCI Express x16 4.0
DisplayPorts quantity	4
DisplayPort version	1.4

Weight & dimensions

Weight	1.02 kg
Depth	266.7 mm
Height	111.8 mm

Design

Cooling type	Active
Number of fans	1 fan(s)
Number of slots	2
Product colour	Black

Memory

Discrete graphics card memory	24 GB
Graphics card memory type	GDDR6
Memory bus	384 bit
Memory bandwidth (max)	768 GB/s

Performance

DirectX version	12.0
Shader model version	5.1
OpenGL version	4.5
HDCP	Y

Processor

CUDA	Y
CUDA cores	8192
Graphics processor family	NVIDIA
Graphics processor	RTX A5000
Maximum resolution	7680 x 4320 pixels
Parallel processing technology support	NVLink
Maximum displays per videocard	4

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.