Quick Reference Guide

PNY | NVIDIA.

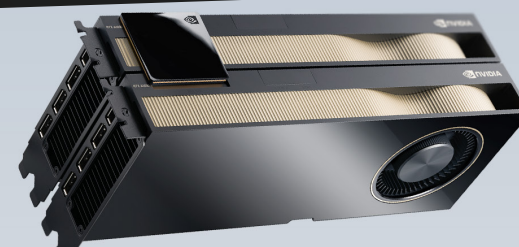**WWW.PNY.COM/NVIDIA-PRO-GRAPHICS**

Architecture, Engineering & Construction

Manufacturing

Media & Entertainment

Bringing New Efficiencies to the Design, Review, and Construction Process
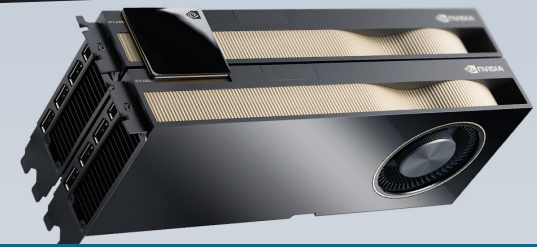
Accelerating Design and Manufacturing Workflows

Bring Creations to Life Anytime, Anywhere

- Building information modeling (BIM) is much more than next generation CAD for architects. NVIDIA® RTX™ provides the graphics performance necessary to visually interact with all facets of BIM and allows architects to offer new services to clients.

- Virtual reality is reshaping the AEC market from initial design concept to collaborative client reviews and virtual walkthroughs. Projects utilizing VR technology are seeing a sigificant reduction in the number of design issues and helps prevent time and cost overruns.

- Physically Based Rendering (PBR) and Generative design facilitated by NVIDIA RTX GPUs are changing the face of architectural design.

- NVIDIA VR Ready RTX GPUs deliver the level of performance and capabilities (90 frames per second (fps) with a latency of less than 20 milliseconds) required for the best VR experiences across professional applications.

- NVIDIA RTX is certified by more than 100 leading CAD/CAE ISVs.

- Pascal architecture performance powers advanced robotics, autonomous vehicles, virtual reality and photorealistic rendering.

- Design and simulate products across industries ranging from automotive to aerospace to consumer electronics

- AI for generative (evolutionary) design software – realize novel designs that improve performance or reduce costs.

- VR multi-user collaboration spaces like NVIDIA Holodeck are redefining design reviews and remote collaboration.

- Adobe® Creative Cloud®, Autodesk 3ds Max® and Maya®, Foundry NUKE and many more M&E applications work best on NVIDIA RTX GPUs.

- NVIDIA RTX GPUs power the most advanced and visually rich film and television productions ever created.

- NVIDIA RTX GPUs have been behind every single movie nominated for the Best Visual Effects Oscar for nine years running.

- NVIDIA RTX GPUs feature GPU performance and memory to edit 4K video or create complex effects with realistic physics and lifelike detail.

- AI, simulation, rendering and realtime technologies continue to propel the future of storytelling.

For more information, contact a **PNY Account Manager** or email: **GOPNY@PNY.COM** or visit **WWW.PNY.COM/NVIDIA-PRO-GPUS**

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Government

Empowering Every Branch of Government With Tools to Promote the General Welfare of Citizens

- Adjusted Government price points are available to qualified customers through participating distributors.

- NVIDIA RTX offers professional GPU solutions for mission critical tasks and environments. Never sacrifice power, reliability or features for mobility, again.

- ISV Certified and optimized for over 100+ industry applications, NVIDIA RTX GPUs are designed to meet your needs.

- Utilize advanced Deep Learning and AI to analyze massive amounts of data and derive actionable conclusions.

- Use Virtual Reality to enhance training and mission readiness, perform basic research, and enable new forms of group collaboration.

Healthcare

Delivering Accurate Data When Every Second Counts

- Medical Imaging systems powered by NVIDIA RTX GPUs produce crystal clear scans while enabling new features at lower costs.

- NVIDIA Artificial Intelligence-enabled GPUs pour through massive cohort studies to discover new medical insights, saving time and potentially lives.

- VirtualLink allows users to seamlessly enter a virtual experience, enabling advanced medical procedures and new educational opportunities.

- The power of NVIDIA RTX High Performance Computing (HPC) and AI applied to the medical and life sciences research can dramatically reduce time from discovery to delivery of new pharmaceuticals, products, or procedures.

Education

Tomorrow's Technology in Today's Classroom

- Special higher education discounts are available to those who qualify.

- Designed with longevity in mind, NVIDIA RTX GPUs will extend the life-cycle of your classroom education tools, preventing regular and costly upgrades

- NVIDIA RTX is designed to seamlessly integrate with 100's of professional applications, including Adobe® CC, Autodesk 3DS MAX® and MAYA®, Foundry Nuke, among others.

- NVIDIA offers students an unprecedented educational experience through RTX-powered, immersive virtual reality, high-speed rendering, and peerless digital content creation.

- Computer Science and Engineering schools routinely teach GPGPU (General Purpose GPU) computing using NVIDIA CUDA technology and tools.

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