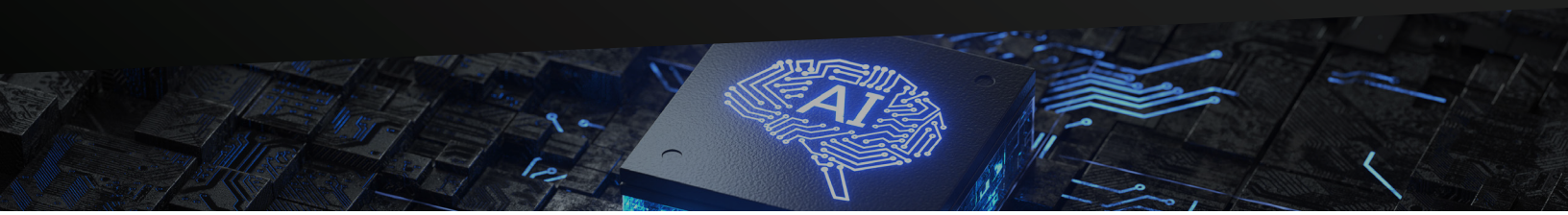
WHY NVIDIA RTX FOR

Artificial Intelligence



Technology drives innovation. With each new leap forward, we are given glimpses into what is possible, and the opportunity to utilize those newfound possibilities to change the ways in which we work. NVIDIA® RTX™ introduces advanced third-generation Tensor Cores to accelerate AI for High Performance Computing (HPC), making what was once considered science fiction into performance enhancing fact.

Benefits Include:

- NVIDIA RTX Deep-learning AI is powered by Tensor Cores and supplemented with RT Cores enabling AI-aided cinematic quality real-time ray tracing. This incredible and unique capability allows for the lifelike inclusion of lighting and material effects exactly as would be found in nature.
- AI-enhanced imaging utilizes predictive mapping to reduce rendering times and provide enhanced details in a fraction of the time for everything from VFX movie or television work to advanced visualization, simulation, and VR environments.
- Utilizing NVIDIA RTX AI and deep-learning features, a data scientist or others can pour through mountains of data in search of patterns and significant outliers, producing actionable results and transforming your GPU from a passive piece of equipment into an active research assistant.
- Robotics driven by the AI-enabled NVIDIA RTX do more than follow tasks. Equipped with adaptive intelligence, robotic assistants can recognize and circumvent potential pitfalls, adapt to an evolving environment, and aid in medical operations with delicate accuracy beyond that of human hands.

The future of GPU-based technology is here, and it is the AI-enabled NVIDIA RTX.
To learn more about how AI-based operations can change the way you work visit **WWW.PNY.COM/AI**

Specifications at a Glance:

GPU	PART NUMBER	MEMORY	MEMORY W/ NVLink	CUDA CORES	TENSOR CORES
NVIDIA RTX A6000	VCNRTXA6000-PB	48 GB GDDR6 ECC	96 GB GDDR6 ECC	10752	336
NVIDIA RTX A5500	VCNRTXA5500-PB	24 GB GDDR6 ECC	48 GB GDDR6 ECC	10240	320
NVIDIA RTX A5000	VCNRTXA5000-PB	24 GB GDDR6 ECC	48 GB GDDR6 ECC	8192	256
NVIDIA RTX A4500	VCNRTXA4500-PB	20 GB GDDR6 ECC	40 GB GDDR6 ECC	7168	224
NVIDIA RTX A4000	VCNRTXA4000-PB	16 GB GDDR6 ECC	N/A	6144	192
NVIDIA RTX A2000 12 GB	VCNRTXA200012GB-PB	12 GB GDDR6 ECC	N/A	3328	104
NVIDIA RTX A2000	VCNRTXA2000-PB	6 GB GDDR6 ECC	N/A	3328	104

FOR MORE INFORMATION:

Contact your **PNY Account Manager** or email **GOPNY@PNY.COM**

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