3 REASONS WHY PNY IS THE RIGHT CHOICE

Government and Defense Programs

1 PNY Offers A Full Range Of GPU Products and Solutions

PNY offers a full line of professional GPU solutions to meet any project need, including the NVIDIA RTX™ line of professional graphics solutions.

NVIDIA RTX is the world's most advanced and trusted graphics accelerator of professional workflows.

2 PNY Offers Products That Are Used In Many Government and Public Sectors

Whether it's for CAD, Computation, Artificial Intelligence, Virtual Reality or even Scientific Visualization, our professional graphics solutions are certified on over 100+ industry leading applications and can be found supporting all levels of government and public sectors:

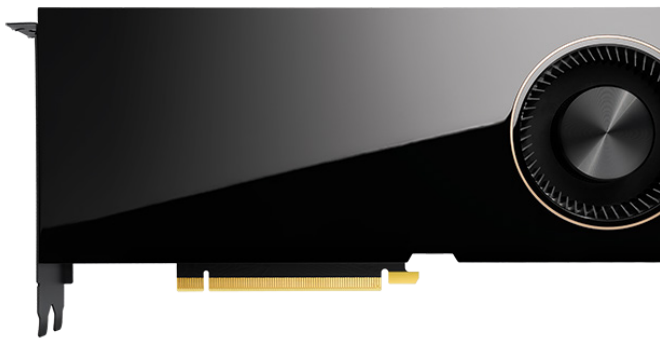
- **Aviation**
- **Defense/Military**
- **Government Agencies**
- **Intelligence**
- **Training/ Simulations**
- **Research & Development**

3 PNY Offers NVIDIA RTX 6000 Ada Generation and RTX A6000 for Supercomputing, CAE and Deep learning (AI)

The RTX 6000 Ada, powered by NVIDIA's Ada Lovelace GPU architecture, offers unprecedented graphics, photorealistic real-time ray tracing rendering (with AI enhancements), superb Data Science and big data analytics capabilities, and AI-enhanced applications and use cases that are amazing and redefine the limits of the possible.

NVIDIA's gen-1 RTX A6000 is the most powerful Ampere architecture board available. With blazing mixed precision and Tensor compute, real-time ray tracing, and AI on a single board, the RTX A6000 is the perfect upgrade NVIDIA Ampere or Turing architecture products for demanding or mission critical government use cases.

To learn about the Features and Benefits of the NVIDIA RTX 6000 Ada Generation compared to prior offerings, **FLIP OVER THE PAGE AND CHECK OUT THE TABLE**.



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FEATURES AND BENEFITS:

NVIDIA RTX A6000 Ada Generation

	NVIDIA RTX 6000 Ada	NVIDIA RTX A6000	NVIDIA GV100	NVIDIA Ada Benefit
GPU Architecture	Ada Lovelace	Turing	Volta	NVIDIA's most advanced and capable GPU microarchitecture
CUDA Cores	18176	10752	5120	Double speed processing for FP32 operatings, greater energy efficiency
RT Cores	142 | Gen 3	84 | Gen 2	N/A	Massive performance speedups with 2x RT-TFLOP performance, OMM Engine, new DMM Engine delivers up to 10x faster BVH build time with up to 20x less BVH storage space
Tensor Cores	568 | Gen 4	336 | Gen 3	640	2x gen-1 performance, acceleration of new FP8 data type for Transformer Engine functionality, independent floating-point and integer data paths
FP32 Performance	Pending	16.3 TFLOPS	14.8 TFLOPS	Previously unrealizable FP32 compute performance for single-precision HPC use cases
Deep Learning TFLOPS	Pending	309.7 TFLOPS	118.5 TFLOPS	Unprecedented performance for AI (deep learning, maching learning, machine vision, shortened training times, lowered infrence latency)
GPU Memory	48 GB GDDR6 ECC	24 GB GDDR6 ECC	32GB HBM2 ECC	Large GPU memory allow concurrent graphics, rendering, and AI tasks (e.g. trained DNNs) with full GPU acceleration
Memory Bandwidth	Pending	672 GB/s	870 GB/s	Significantly higher memory bandwidth than the NVIDIA RTX A6000
Display Support	4x DP 1.4a	4x DP 1.4a	4x DP 1.4	Drive 8K display over a single DP 1.4a link in HDR (RTX A6000, RTX 6000 Ada)
Virtualization Support	Yes	Yes	No	Supports NVIDIA virtual GPU (vGPU) software for multiple high-performance virtual workstation instances, enabling secure remote user access
AR/MR/VR/XR Support	Yes	Yes	Yes	Superior graphics and rendering performance offers a more immersive experience
NVLink	N/A	Yes | 2 Boards	Yes | 2 Boards	NVLink required application support to deliver potential functionality

HAVE QUESTIONS ABOUT THE NEW NVIDIA RTX A6000?

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

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