

PERFORMANCE FOR ENDLESS POSSIBILITIES

# NVIDIA RTX™ 2000 Ada Generation

PNY®

NVIDIA®



## Powering the Next Era of Innovation

The NVIDIA RTX™ 2000 Ada Generation is a power-efficient, compact GPU that brings the power of RTX into the reach of more professionals. With real-time ray tracing, AI-accelerated compute, and high-performance graphics, the RTX 2000 empowers users to tackle complex tasks, from content creation and design to data analysis and AI-driven applications, with incredible speed and precision.

Featuring the NVIDIA Ada Lovelace GPU architecture, it combines 22 third-generation RT Cores, 88 fourth-generation Tensor Cores, 2 816 CUDA® cores, and 16GB of GDDR6 graphics memory with ECC support.

The RTX 2000 delivers breakthroughs in speed, efficiency, and power for everyday workflows, enabling creators, designers, and engineers to achieve new levels of productivity and innovation from the desktop.

NVIDIA RTX professional graphics cards are certified for a broad range of professional applications, tested by leading independent software vendors (ISVs) and workstation manufacturers, and backed by a global team of support specialists. Get the peace of mind to focus on what matters with the premier visual computing solution for mission-critical business.

## KEY FEATURES

- ✓ Four Mini DisplayPort 1.4a
- ✓ AV1 encode and decode support
- ✓ DisplayPort with audio
- ✓ NVIDIA RTX Experience™
- ✓ NVIDIA RTX Desktop Manager software
- ✓ NVIDIA RTX IO support
- ✓ HDCP 2.2 support
- ✓ NVIDIA Mosaic<sup>1</sup> technology

PNY® POWER LIMITED



## PNY Power Limited

OPTIMIZED POWER, MAXIMUM EFFICIENCY

The NVIDIA RTX™ 2000 Ada Generation Power Limited by PNY is preset to a power limit of 50 Watts, while the standard version has a power limit of 70 Watts.

Whether you're worried about your carbon footprint, looking to take control of your total cost of ownership, or just need to reduce the Total Power Draw of your system, PNY's Power Limited GPU's are an excellent option.

# NVIDIA RTX™ 2000

## Ada Generation



PNY Part Numbers			
Part Number	EAN Code	MOQ*	Box Content (per card)
VCNRTX2000ADA-PL	3536403400910	5	1x LP Bracket
VCNRTX2000ADA-PLK	3536403600927	25	1x LP Bracket

SPECIFICATIONS	
Part Number	VCNRTX2000ADA-PL
GPU memory	16GB GDDR6
Memory interface	128-bit
Memory bandwidth	224GB/s
Error-correcting code (ECC)	Yes
NVIDIA Ada Lovelace architecture-based CUDA Cores	2 816
NVIDIA fourth-generation Tensor Cores	88
NVIDIA third-generation RT Cores	22
Single-precision performance	12,0 TFLOPS <sup>2</sup>
RT Core performance	27,7 TFLOPS <sup>2</sup>
Tensor performance	191,9 TFLOPS <sup>3</sup>
System interface	PCIe 4.0 x 8 <sup>4</sup>
Power consumption	70W - limited to 50W
Thermal solution	Active
Form factor	2,7" H x 6,6" L, Dual Slot
Display connectors	4x Mini DisplayPort 1,4a
Max simultaneous displays	4x 4096 x 2160 @ 120 Hz
	4x 5120 x 2880 @ 60 Hz
	2x 7680 x 4320 @ 60 Hz
Encode/decode engines	1x encode, 1x decode (+AV1 encode and decode)
VR-ready	Yes
Graphics APIs	DirectX 12, Shader Model 6.6, OpenGL 4.6 <sup>5</sup> , Vulkan 1.3 <sup>5</sup>
Compute APIs	CUDA 11.6, OpenCL 3.0, DirectCompute

Want to learn more about **PNY Power Limited Cards?**

Visit [pny.com/en-eu/professional/power-limited-gpus](https://pny.com/en-eu/professional/power-limited-gpus)

FOR MORE INFORMATION :

Contact your **PNY representative** or email [PNYPRO@PNY.EU](mailto:PNYPRO@PNY.EU)

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\*MOQ - Multiple Order Quantity

<sup>1</sup>Windows 10, 11, and Linux are supported. This configuration does not offer framelock synchronization or display overlap functionality. | <sup>2</sup> Peak rates based on GPU Boost Clock. | <sup>3</sup> Effective FP8 teraFLOPS (TFLOPS) using the sparsity feature. | <sup>4</sup> RTX 2000 Ada Generation utilizes a full-length PCIe x8 interface. | <sup>5</sup> Product is based on a published Khronos specification and is expected to pass the Khronos conformance testing process when available. Current conformance status can be found at [www.khronos.org/conformance](http://www.khronos.org/conformance)

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