Enterprise Reliability

Designed for professionals who demand the best, NVIDIA RTX PRO solutions deliver unparalleled performance, reliability, and support. Every GPU is rigorously tested for a wide range of design, engineering, and AI workflows and is continually optimized through enterprise drivers. With extensive ISV certifications, robust IT management tools, and enterprise-grade support, RTX PRO workstations are the trusted choice for enterprise and mission-critical work.

Specifications	
GPU architecture	NVIDIA Blackwell
NVIDIA® CUDA® Cores	24,064
Tensor Cores	5th Generation
Ray Tracing Cores	4th Generation
AI TOPS	4000 AI TOPS[1,2]
Single-precision performance	125 TFLOPS[1]
RT Core performance	380 TFLOPS[1]
GPU memory	96 GB GDDR7 with ECC
Memory interface	512-bit
Memory bandwidth	1792 GB/s
System interface	PCIe 5.0 x16
Display connectors	4x DisplayPort 2.1b
Max simultaneous displays	>4x 4096 x 2160 @ 120 Hz >4x 5120 x 2880 @ 60 Hz >2x 7680 x 4320 @ 60 Hz
Video Engines	4x NVENC (9th Gen) 4x NVDEC (6th Gen)
MIG Support	>Up to 4x 24 GB >Up to 2x 48 GB >Up to 1x 96 GB
Power consumption	Total board power: 600 W
Power connector	1x PCIe CEM5 16-pin
Thermal solution	Double-flow-through
Form factor	5.4” H x 12” L, dual slot, extended height
Graphics APIs	DirectX 1[2], Shader Model 6.6, OpenGL 4.6[3], Vulkan 1.3[3]
Compute APIs	CUDA 11.6, OpenCL 3.0, DirectCompute

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Ready to Get Started?

To learn more, visit:
pny.com/en-eu/nvidia-rtx-pro-6000-blackwell-ws

1. Peak rates based on GPU Boost Clock. I 2. Effective FP4 TOPS with sparsity. I 3. Product is based on a published Khronos specification and is expected to pass the Khronos conformation testing process when available. Current conformance status can be found at www.khronos.org/conformance.

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