

Specifications

GPU architecture	Blackwell
NVIDIA® CUDA® Cores	4,352
Tensor Cores	5th Generation
Ray Tracing Cores	4th Generation
AI TOPS	545 AI TOPS ^{1,2}
Single-precision performance	17 TFLOPS ¹
RT Core performance	52 TFLOPS ¹
GPU memory	16 GB GDDR7 with ECC
Memory interface	128-bit
Memory bandwidth	288 GB/s
System interface	PCIe 5.0 x 8 ³
Display connectors	4x mini DisplayPort 2.1b ³
Max simultaneous displays	Up to four simultaneous displays ⁴
Video Engines	1x NVENC (9th Gen) 1x NVDEC (6th Gen)
Power consumption	Max power consumption: 70 W
Thermal solution	Active
Form factor	2.7" H x 6.6" L, dual slot
Graphics APIs	DirectX 12, Shader Model 6.7, OpenGL 4.6 ⁵ , Vulkan 1.4 ⁵
Compute APIs	CUDA 12.8, OpenCL 3.0

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- 1. Peak rates based on GPU Boost Clock.
- 2. Effective FP4 TOPS with sparsity.
- 3. Uses full-length PCIe interface.
- 4. Multi monitor:
 - > Four independent displays at 4k 165 Hz using DP
 - > Two independent displays at 4k 360 Hz or 8k 100 Hz with DSC using DP
 - > Other display configurations may be possible based on available bandwidth
- 5. 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

