PCI Express GraphicsCards based on NVIDIA Ampere Architecture

PCI Express Graphics Cards with NVIDIA GPUs



- NVIDIA RTX A400



- NVIDIA RTX A1000

Features

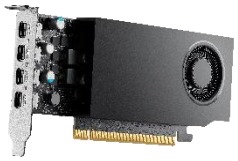
- NVIDIA Ampere architecture
- 3rd-generation Tensor Cores
- 2nd-generation RT Cores
- Third gen NVLINK technology
- PCI Express Gen 4.0 support
- AV1 decode support
- NVIDIA RTX Experience™
- NVIDIA RTX Desktop Manager software
- HDCP 2.2 support
- NVIDIA Mosaic technology

Ordering Information

NVIDIA RTX A400	PCIe x8 Gen4, 4x mDP 1.4, 2.7” H x 6.4” L, single slot
NVIDIA RTX A1000	PCIe x8 Gen4, 4x mDP 1.4, 2.7” H x 6.4” L, single slot

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Specifications





Model Name	NVIDIA RTX A400	NVIDIA RTX A1000
Graphic Core		
Graphic Architecture	NVIDIA® Ampere™ GA107	NVIDIA® Ampere™ GA107
GPU	RTX A400	RTX A1000
Memory	4 GB GDDR6 memory,64-bit, Bandwidth: Up to 96 GB/s	8 GB GDDR6 memory,128-bit, Bandwidth: Up to 192 GB/s
ECC	No	No
GPGPU Computing		
CUDA Cores	768 CUDA® Cores, 2.7 TFLOPS SP Peak	2,304 CUDA® Cores, 6.7 TFLOPS SP Peak
Tensor Cores	24, 43.3 TFLOPS	72, 53.8 TFLOPS
RT Cores	6, 5.4 TFLOPS	18, 13.2 TFLOPS
Compute API	CUDA Toolkit 11.6, OpenCL 3.0 Direct Compute	CUDA Toolkit 11.6, OpenCL 3.0 Direct Compute
Graphics API	Shader Model 6.6, OpenGL 4.6, DirectX 12, Vulkan 1.3	Shader Model 6.6, OpenGL 4.6, DirectX 12, Vulkan 1.3
Display		
Display Outputs	4 x Mini Display Port 1.4a	4 x Mini Display Port 1.4a
Interface	PCI Express 4.0 x8	PCI Express 4.0 x8
Mechanicals		
Dimensions	2.7” H x 6.4” L, single slot	2.7” H x 6.4” L, single slot
Form Factor	Half height, half length	Half height, half length
Environmental		
Operating Temperature	0˚C – 50˚C	0˚C – 50˚C
Storage Temperature	-40˚C – 75˚C	-40˚C – 75˚C
Power Consumption	50W	50W
SW Support		
OS Support	Windows 10, 11 & Linux drivers, 64-bit	Windows 10, 11 & Linux drivers, 64-bit

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