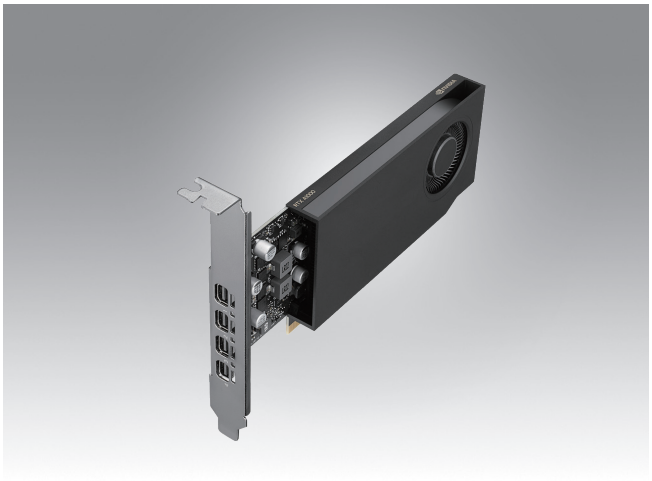
SKY-QUAD-A1000-8

NVIDIA RTX A1000



Features

- NVIDIA Ampere GPU architecture
- 2,304 NVIDIA® CUDA® Cores
- 72 NVIDIA® Tensor Cores (3rd gen)
- 18 NVIDIA® RT Cores (2nd gen)
- 8GB GDDR6 memory
- Up to 192GB/s memory bandwidth
- Max. power consumption: 50W
- Graphics bus: PCI-E 4.0 x8
- Thermal solution: active
- Display connectors: mDP 1.4a

Introduction

With cutting-edge features and a compact form factor, the SKY-QUAD-A1000-8 (NVIDIA RTX A1000) represents NVIDIA's latest entry-level professional GPU. Built on the NVIDIA Ampere GPU architecture, this low-profile package is ideal for deployment in a wide range of small form factor workstations. The RTX A1000 is equipped with the latest generation RT cores, Tensor cores, and CUDA® cores, enabling generative AI, graphics, compute performance, and immersive entertainment design. Certified by a wide range of specialist applications, tested by dominant independent software vendors (ISVs) and workstation manufacturers, and supported by a global specialist team, NVIDIA RTX is the first choice for high-standard visual computing solutions in enterprise deployments.

Specifications

Product Name	NVIDIA RTX A1000
Part Number	SKY-QUAD-A1000-8
GPU Memory	8GB GDDR6
Memory Interface	128-bit
Memory Bandwidth	192GB/s
NVIDIA CUDA Cores	2,304
Tensor Cores	72 (3rd gen)
RT Cores	18 (2nd gen)
Single-Precision Performance	6.7 TFLOPS
System Interface	PCI Express 4.0 x8
Max Power Consumption	50W
Thermal Solution	Active
Form Factor	2.7 inches (H) x 6.4 inches (L), single slot, low profile
Display Connectors	4x Mini DisplayPort 1.4a with latching mechanism
Max Simultaneous Displays	4x 4096 x 2160 @ 120 Hz 4x 5120 x 2880 @ 60 Hz 2x 7680 x 4320 @ 30 Hz
Graphics APIs	DirectX 12 Shader Model 6.6 OpenGL 4.6 Vulkan 1.3
Compute APIs	CUDA, DirectCompute, OpenCL™
Power Connector	-
Power Adapter Cable Included	-
Power Adapter Interface	-

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