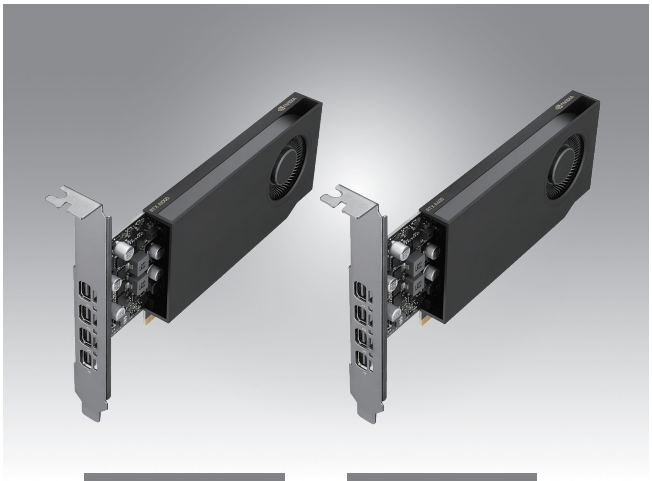
SKY-QUAD-A1000-8
SKY-QUAD-A400-4

NVIDIA RTX A1000

NVIDIA RTX A400



SKY-QUAD-A1000-8 SKY-QUAD-A400-4

Features

- NVIDIA Ampere GPU architecture
- Third-generation Tensor Cores
- Second-generation RT cores
- GDDR6 memory
- AV1 Decode Support
- 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 NVIDIA RTX A1000 and A400 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. These cards are equipped with the latest generation RT cores, Tensor 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	NVIDIA RTX A400
Part Number	SKY-QUAD-A1000-8	SKY-QUAD-A400-4
GPU Memory	8GB GDDR6	4GB GDDR6
Memory Interface	128-bit	64-bit
Memory Bandwidth	192 GB/s	96 GB/s
NVIDIA CUDA Cores	2,304	768
Tensor Cores	72 (3rd gen)	24 (3rd gen)
RT Cores	18 (2nd gen)	6 (2nd gen)
Single-Precision Performance	6.7 TFLOPS	2.7 TFLOPS
System Interface	PCI Express 4.0 x8	PCI Express 4.0 x8
Max Power Consumption	50W	50W
Thermal Solution	Active	Active
Form Factor	2.7 inches (H) x 6.4 inches (L), single slot, low profile	2.7 inches (H) x 6.4 inches (L), single slot, low profile
Display Connectors	4x Mini DisplayPort 1.4a with latching mechanism	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	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	DirectX 12 Shader Model 6.6 OpenGL 4.6 Vulkan 1.3
Compute APIs	CUDA, DirectCompute, OpenCL™	CUDA, DirectCompute, OpenCL™
Power Connector	-	-
Power Adapter Cable Included	-	-
Power Adapter Interface	-	-

All product specifications are subject to change without notice.

Last updated: 24-May-2024