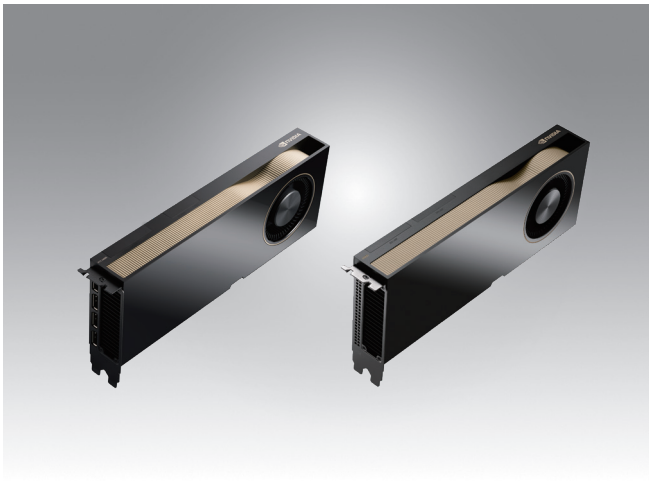
SKY-QUAD-RTXA6000B
SKY-QUAD-A800-40

NVIDIA® RTX A6000
NVIDIA® A800 40GB Active



Features

- NVIDIA Ampere GPU architecture
- 10,752 / 6,912 NVIDIA® CUDA® Cores
- 336 / 432 NVIDIA® Tensor Cores
- 84 / None NVIDIA® RT Cores
- 48GB GDDR6 / 40GB HBM2 memory with ECC
- Up to 768GB/s / 1.5TB/s memory bandwidth
- Max. power consumption: 300W / 240W
- Graphics bus: PCI-E 4.0 x16
- Thermal solution: active
- Display connectors: DP 1.4 (4) / Headless Design

Introduction

With cutting-edge performance and features, the SKY-QUAD-RTXA6000B (NVIDIA RTX A6000), SKY-QUAD-A800-40 (NVIDIA A800 40GB Active) are built on the NVIDIA Ampere GPU architecture, fulfilling the most requirements of graphics and compute-intensive tasks for designers, engineers, scientists, and artists to support their innovative solutions. The RTX A6000 is equipped with the latest generation RT cores, Tensor cores, and CUDA® cores for realizing 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 A6000	NVIDIA A800 40GB Active
Part Number	SKY-QUAD-RTXA6000B	SKY-QUAD-A800-40
GPU Memory	48 GB GDDR6	40 GB HBM2
Memory Interface	384-bit	5,120-bit
Memory Bandwidth	768 GB/s	1.5 TB/s
NVIDIA CUDA Cores	10,752	6,912
Single-Precision Performance	38.7 TFLOPS	19.5 TFLOPS
System Interface	PCI Express 4.0 x16	PCI Express 4.0 x16
Max Power Consumption	300 W	240W
Thermal Solution	Active	Active
Form Factor	4.4 inches H x 10.5 inches L, dual slot, full height	4.4 inches H x 10.5 inches L, dual slot, full height
Display Connectors	4 x DisplayPort 1.4a	Headless Design
Max Simultaneous Displays	4 x 4096 x 2160 @ 120 Hz 4 x 5120 x 2880 @ 60 Hz 2 x 7680 x 4320 @ 60 Hz	-
Graphics APIs	DirectX 12.07 Shader Model 5.17 OpenGL 4.68 Vulkan 1.18	-
Compute APIs	CUDA, DirectCompute, OpenCL™	CUDA, DirectCompute, OpenCL™