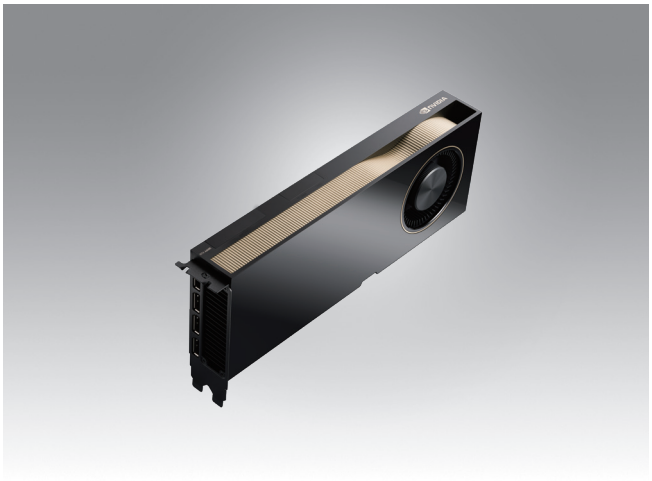
SKY-QUAD-RTXA6000B
SKY-QUAD-A6000E48B

NVIDIA RTX A6000
NVIDIA RTX A6000E



Features

- NVIDIA Ampere GPU architecture
- NVIDIA RTX A6000E is an NVIDIA Long-life SKU. Product Life Extended Until 2029
- 10,752 NVIDIA® CUDA® Cores
- 336 NVIDIA® Tensor Cores
- 84 NVIDIA® RT Cores
- 48GB GDDR6 memory with ECC
- Up to 768GB/s memory bandwidth
- Max. power consumption: 300W
- Graphics bus: PCI-E 4.0 x16
- Thermal solution: active
- Display connectors: DP 1.4a

Introduction

With cutting-edge performance and features, the SKY-QUAD-RTXA6000B (NVIDIA RTX A6000) and SKY-QUAD-A6000E48B (NVIDIA RTX A6000E) 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 and RTX A6000E are 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 RTX A6000E
Part Number	SKY-QUAD-RTXA6000B	SKY-QUAD-A6000E48B
GPU Memory	48 GB GDDR6	48 GB GDDR6
Memory Interface	384-bit	384-bit
Memory Bandwidth	768 GB/s	768 GB/s
NVIDIA CUDA Cores	10,752	10,752
Tensor Cores	336	336
RT Cores	84	84
Single-Precision Performance	38.7 TFLOPS	38.7 TFLOPS
System Interface	PCI Express 4.0 x16	PCI Express 4.0 x16
Max Power Consumption	300 W	300 W
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	4 x DisplayPort 1.4a
Max Simultaneous Displays	4 x 4096 x 2160 @ 120 Hz 4 x 5120 x 2880 @ 60 Hz 2 x 7680 x 4320 @ 60 Hz	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	DirectX 12.07 Shader Model 5.17 OpenGL 4.68 Vulkan 1.18
Compute APIs	CUDA, DirectCompute, OpenCL™	CUDA, DirectCompute, OpenCL™

All product specifications are subject to change without notice.