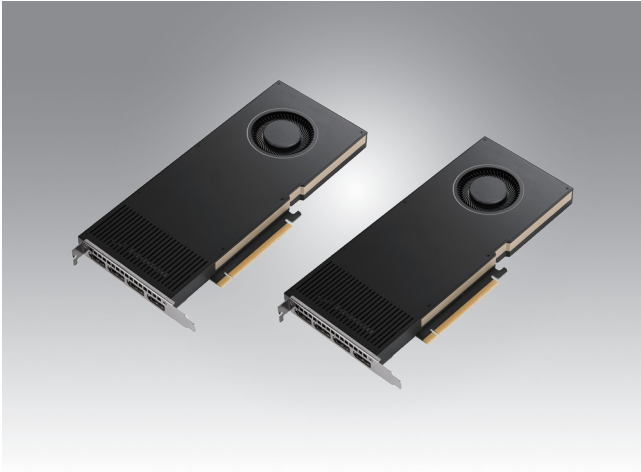# SKY-QUAD-RTXA4000B  NVIDIA RTX A4000

## Features

- NVIDIA® Ampere GPU architecture
- 6,144 NVIDIA® CUDA® Cores
- 192 NVIDIA® Tensor Cores
- 48 NVIDIA® RT Cores
- 16GB GDDR6 memory with ECC
- Up to 448GB/s memory bandwidth
- Max. power consumption:: 140W
- Graphics bus: PCI-E 4.0 x16
- Thermal solution: active
- Display connectors: DP 1.4 (4)

## Introduction

The SKY-QUAD-RTXA4000B(NVIDIA RTX A4000) is the most powerful single-slot GPU for professionals, delivering real-time ray tracing, AI-accelerated computation, and high performance graphics to your desktop. Built on the NVIDIA Ampere architecture, the RTX A4000 combines sufficient and cutting-edge second-generation RT cores, third-generation Tensor cores, and CUDA® cores with graphics memory and error correction code (ECC), so you can innovate with uncompromised computing accuracy and reliability. Featuring a power-efficient, single-slot PCIe form factor, the RTX A4000 can fit into a broad range of workstation chassis, so you can do outstanding work without limits. Certified with a wide range of specialist applications, examined by dominant independent software vendors (ISVs) and workstation manufacturers, and supported by a global specialist team, NVIDIA RTX professional graphics cards bring you a premier visual computing solution for mission-critical business.

## Specifications

| | |
|---|---|
| Product Name | NVIDIA RTX A4000 |
| Part Number | SKY-QUAD-RTXA4000B |
| GPU Memory | 16 GB GDDR6 |
| Memory Interface | 256-bit |
| Memory Bandwidth | 448 GB/s |
| NVIDIA CUDA Cores | 6,144 |
| Single-Precision Performance | 19.2 TFLOPS |
| System Interface | PCI Express 4.0 x16 |
| Max Power Consumption | 140 W |
| Thermal Solution | Active |
| Form Factor | 4.4 inches H x 9.5 inches L, single slot |
| Display Connectors | 4 x DisplayPort 1.4a |
| Max Simultaneous Displays | 4 x 4096 x 2160 @ 120 Hz<br>4 x 5120 x 2880 @ 60 Hz<br>2 x 7680 x 4320 @ 60 Hz |
| Graphics APIs | DirectX 12.07<br>Shader Model 5.17<br>OpenGL 4.68<br>Vulkan 1.2 |
| Compute APIs | CUDA, DirectCompute, OpenCL™ |