

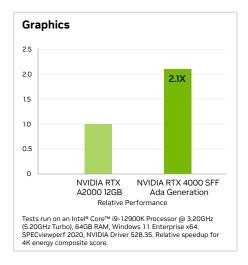
NVIDIA RTX 4000 SFF Ada Generation

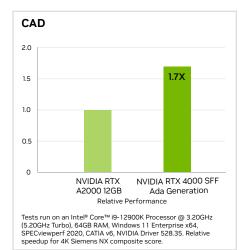
Power for endless possibilities.

The NVIDIA RTX[™] 4000 SFF Ada Generation packs a powerful punch, delivering full-size performance in a compact form factor. Designed for professionals who demand performance but without the footprint of full-sized workstations to achieve outstanding results across industries. The RTX 4000 SFF provides excellent performance and capabilities essential for design, real-time rendering, AI, and high-performance compute workflows in a small form factor.

Built on the NVIDIA Ada Lovelace architecture, the RTX 4000 SFF combines 48 third-generation RT Cores, 192 fourth-generation Tensor Cores, and 6,144 CUDA® cores with 20GB of error correction code (ECC) graphics memory. The RTX 4000 SFF delivers incredible acceleration for rendering, AI, graphics, and compute workloads.

NVIDIA RTX professional graphics cards are certified with a broad range of professional applications, tested by leading independent software vendors (ISVs) and workstation manufacturers, and backed by a global team of support specialists. Get the peace of mind to focus on what matters with the premier visual computing solution for mission-critical business.

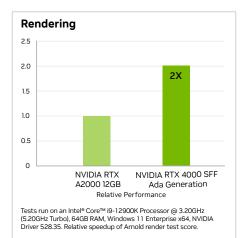


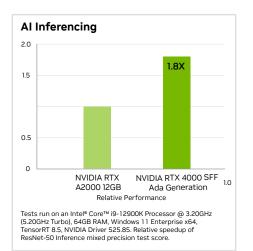


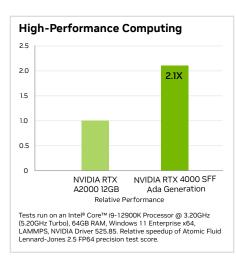
Key Features

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- > Four mini DisplayPort 1.4a
- > AV1 encode and decode support
- > DisplayPort with audio
- NVIDIA Quadro[®] Sync II¹ compatibility
- > 3D stereo support with stereo connector
- > NVIDIA GPUDirect[®] for Video support
- > NVIDIA GPUDirect Remote Direct Memory Access (RDMA) support
- > NVIDIA RTX Experience[™]
- NVIDIA RTX Desktop Manager software
- > NVIDIA RTX IO support
- > HDCP 2.2 support
- > NVIDIA Mosaic² technology







| Specifications | |
|--|---|
| GPU memory | 20GB GDDR6 |
| Memory interface | 160-bit |
| Memory bandwidth | 320 GB/s |
| Error correcting code | Yes |
| NVIDIA Ada Lovelace | 6,144 |
| architecture-based CUDA Cores | |
| NVIDIA fourth-generation Tensor Cores | 192 |
| NVIDIA third-generation RT Cores | 48 |
| Single-precision performance | 19.2 TFLOPS ³ |
| RT Core performance | 44.3 TFLOPS ³ |
| Tensor performance | 306.8 TFLOPS ⁴ |
| System interface | PCIe 4.0 x 16 |
| Power consumption | Total board power: 70 W |
| Thermal solution | Active |
| Form factor | 2.7" H x 6.6" L, dual slot |
| Display connectors | 4x Mini DisplayPort 1.4a |
| Maximum simultaneous displays | > 4x 4096 x 2160 @ 120 Hz |
| | > 4x 5120 x 2880 @ 60 Hz |
| | > 2x 7680 x 4320 @ 60 Hz |
| Encode/decode engines | 2x encode, 2x decode |
| | (+AV1 encode and decode) |
| VR ready | Yes |
| vGPU software support | No |
| Graphics APIs | DirectX 12, Shader Model 6.6, OpenGL 4.6⁵, Vulkan 1.3⁵ |
| Compute APIs | CUDA 11.6, OpenCL 3.0, DirectCompute |
| | Νο |

Ready to Get Started?

To learn more about the RTX 4000 SFF, visit: nvidia.com/rtx-4000-sff

1 Quadro Sync II card sold separately. I 2 Windows 10 and Linux. I 3 Peak rates based on GPU Boost Clock. I 4 Effective FP8 teraFLOPS (TFLOPS) using the sparsity feature. I 5 Product is based on a published Khronos specification and is expected to pass the Khronos conformance testing process when available. Current conformance status can be found at <u>www.khronos.org/conformance</u>

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