

NVIDIA RTX 4000 ADA GENERATION

SPECIFICATIONS

Product	NVIDIA RTX 4000 Ada Generation
Architecture	NVIDIA Ada Lovelace Architecture
Foundry	TSMC
Process Size	4 nm NVIDIA Custom Process
Transistors	35.8 billion
Die Size	294.5 mm ²
CUDA Parallel Processing Cores	6,144
NVIDIA Tensor Cores	192
NVIDIA RT Cores	48
Single-Precision Performance ¹	26.7 TFLOPS
RT Core Performance ¹	61.8 TFLOPS
Tensor Performance ¹	327.6 TFLOPS ²
GPU Memory	20 GB GDDR6 with ECC
Memory Interface	160-bit
Memory Bandwidth	360 GB/s
Max Power Consumption	130W
Graphics Bus	PCI Express 4.0 x16
Display Connectors	DP 1.4a (4) ³
Form Factor	4.4" (H) x 9.5"(L) Single Slot
Product Weight	528 g
Thermal Solution	Blower Active Fan
NVIDIA 3D Vision® and 3D Vision Pro	Support via 3-pin mini DIN
Frame Lock	Compatible (with Quadro Sync II)
NVLink	Not Supported
NVENC NVDEC	2x 2x (+AV1 Encode & Decode)

Performance numbers may be subject to change until product availability.

¹ Peak rates are based on GPU boost clock.

² Effective FP8 TFLOPS using the new sparsity feature.

³ Display ports are on by default for the RTX 4000 Ada Generation.

SUPPORTED PLATFORMS

- Microsoft Windows 11 (64-bit)
- Microsoft Windows 10 (64-bit)
- Red Hat Enterprise Linux 7.x
- SUSE Linux Enterprise Desktop 15.x
- OpenSuse 15
- Fedora 31
- Ubuntu 18.04
- FreeBSD 11.x
- Solaris 11