

NVIDIA® RTX™ 4000 SFF Ada GENERATION

SPECIFICATIONS

Architecture	NVIDIA Ada Lovelace Architecture
Process Size	4nm NVIDIA Custom Process TSMC
Die Size	294.5 mm ²
Transistors	35.8 Billion
CUDA Cores	6144
Tensor Cores	192 Gen 4
RT Cores	48 Gen 3
FP32 Performance¹	19.2 TFLOPS
Tensor Performance¹	306.8 TFLOPS ²
RT Core Performance¹	44.3 TFLOPS
GPU Memory	20 GB GDDR6 ECC
Memory Interface	160-bit
Memory Bandwidth	320 GB/s
Display Connectors	mDP 1.4a (4) ³
Graphics Bus	PCI Express 4.0 x16
Form Factor	2.7" H x 6.6"L Low Profile Dual Slot
Thermal Solution	Active Fansink
AR/MR/VR/XR Capable	Yes
NVIDIA 3D Vision and 3D Vision Pro	Support via Optional 3-pin mini-DIN
Frame Lock	Compatible with NVIDIA Quadro Sync II
Maximum Power Consumption	70W No Auxiliary Power Required
NVENC NVDEC	2x 2x Includes AV1 encode and Decode

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 SFF Ada Generation.