

NVIDIA RTX 4500 Ada 24GB vs NVIDIA GeForce RTX 4090 D 24GB

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	NVIDIA RTX 4500 Ada 24GB	NVIDIA GeForce RTX 4090 D 24GB
FP32 TFLOPS	39.6	73.5
VRAM	24 GB	24 GB
Memory Bandwidth	432 GB/s	—
TDP	210 W	425 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 4500 Ada 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 D 24GB peak TFLOPS (dense)
FP64	0.6	1.1
FP32	39.6	73.5
TF32	—	73.5
BF16	—	147.1
FP16	—	147.1
FP8	317.0	294.2
FP6	—	—
FP4	—	—
INT8	—	588.4

SPECIFICATIONS

	NVIDIA RTX 4500 Ada 24GB	NVIDIA GeForce RTX 4090 D 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6X
Interface Width	192-bit	384-bit
Interconnect	—	—

	NVIDIA RTX 4500 Ada 24GB	NVIDIA GeForce RTX 4090 D 24GB
TDP	210 W	425 W
FP32 Efficiency	0.19 TFLOPS/W	0.17 TFLOPS/W