



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

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

OVERVIEW

	NVIDIA RTX 4500 Ada 24GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	39.6	82.6
VRAM	24 GB	24 GB
Memory Bandwidth	432 GB/s	1.0 TB/s
TDP	210 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 4500 Ada 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
FP64	0.6	1.3
FP32	39.6	82.6
TF32	—	82.6
BF16	—	165.2
FP16	—	165.2
FP8	317.0	330.3
FP6	—	—
FP4	—	—
INT8	—	660.6

SPECIFICATIONS

	NVIDIA RTX 4500 Ada 24GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	192-bit	—
Interconnect	—	—

	NVIDIA RTX 4500 Ada 24GB	NVIDIA GeForce RTX 4090 24GB
TDP	210 W	450 W
FP32 Efficiency	0.19 TFLOPS/W	0.18 TFLOPS/W