



NVIDIA GeForce RTX 4090 D 24GB vs NVIDIA RTX 5000 Ada 32GB

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

OVERVIEW

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA RTX 5000 Ada 32GB
FP32 TFLOPS	73.5	65.3
VRAM	24 GB	32 GB
Memory Bandwidth	—	576 GB/s
TDP	425 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4090 D 24GB peak TFLOPS (dense)	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)
FP64	1.1	—
FP32	73.5	65.3
TF32	73.5	—
BF16	147.1	—
FP16	147.1	—
FP8	294.2	522.2
FP6	—	—
FP4	—	—
INT8	588.4	—

SPECIFICATIONS

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA RTX 5000 Ada 32GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	—
Interface Width	384-bit	256-bit
Interconnect	—	—

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA RTX 5000 Ada 32GB
TDP	425 W	250 W
FP32 Efficiency	0.17 TFLOPS/W	0.26 TFLOPS/W