



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

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

OVERVIEW

	NVIDIA RTX 5000 Ada 32GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	65.3	82.6
VRAM	32 GB	24 GB
Memory Bandwidth	576 GB/s	1.0 TB/s
TDP	250 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
INT8	—	330.3
FP8	522.2	330.3
FP16	—	165.2
BF16	—	165.2
TF32	—	82.6
FP32	65.3	82.6
FP64	—	1.3

SPECIFICATIONS

	NVIDIA RTX 5000 Ada 32GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	256-bit	—
Interconnect	—	—

	NVIDIA RTX 5000 Ada 32GB	NVIDIA GeForce RTX 4090 24GB
TDP	250 W	450 W
FP32 Efficiency	0.26 TFLOPS/W	0.18 TFLOPS/W