



NVIDIA RTX 6000 Ada 48GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA RTX 6000 Ada 48GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	91.1	82.6
VRAM	48 GB	24 GB
Memory Bandwidth	960 GB/s	1.0 TB/s
TDP	300 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 6000 Ada 48GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
INT8	—	330.3
FP8	728.5	330.3
FP16	—	165.2
BF16	—	165.2
TF32	—	82.6
FP32	91.1	82.6
FP64	—	1.3

SPECIFICATIONS

	NVIDIA RTX 6000 Ada 48GB	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	—	—
Interconnect	—	—

	NVIDIA RTX 6000 Ada 48GB	NVIDIA GeForce RTX 4090 24GB
TDP	300 W	450 W
FP32 Efficiency	0.30 TFLOPS/W	0.18 TFLOPS/W