

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

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

OVERVIEW

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA RTX 6000 Ada 48GB
FP32 TFLOPS	73.5	91.1
VRAM	24 GB	48 GB
Memory Bandwidth	—	960 GB/s
TDP	425 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4090 D 24GB peak TFLOPS (dense)	NVIDIA RTX 6000 Ada 48GB peak TFLOPS (dense)
FP64	1.1	—
FP32	73.5	91.1
TF32	73.5	—
BF16	147.1	—
FP16	147.1	—
FP8	294.2	728.5
FP6	—	—
FP4	—	—
INT8	588.4	—

SPECIFICATIONS

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA RTX 6000 Ada 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	—
Interface Width	384-bit	—
Interconnect	—	—

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA RTX 6000 Ada 48GB
TDP	425 W	300 W
FP32 Efficiency	0.17 TFLOPS/W	0.30 TFLOPS/W