



NVIDIA RTX 5880 Ada 48GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA RTX 5880 Ada 48GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	69.3	82.6
Memory	48 GB	24 GB
Memory Bandwidth	960 GB/s	1.0 TB/s
TDP	285 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 5880 Ada 48GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
FP64	—	1.3
FP32	69.3	82.6
TF32	—	82.6
BF16	—	165.2
FP16	—	165.2
FP8	554.2	330.3
FP6	—	—
FP4	—	—
INT8	—	660.6

SPECIFICATIONS

	NVIDIA RTX 5880 Ada 48GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	384-bit	—
Interconnect	—	—

	NVIDIA RTX 5880 Ada 48GB	NVIDIA GeForce RTX 4090 24GB
TDP	285 W	450 W
FP32 Efficiency	0.24 TFLOPS/W	0.18 TFLOPS/W