

NVIDIA GeForce RTX 4060 8GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 4060 8GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	15.1	82.6
VRAM	8 GB	24 GB
Memory Bandwidth	—	1.0 TB/s
TDP	115 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4060 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
FP64	0.2	1.3
FP32	15.1	82.6
TF32	15.1	82.6
BF16	30.2	165.2
FP16	30.2	165.2
FP8	60.5	330.3
FP6	—	—
FP4	—	—
INT8	120.9	660.6

SPECIFICATIONS

	NVIDIA GeForce RTX 4060 8GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	128-bit	—

	NVIDIA GeForce RTX 4060 8GB	NVIDIA GeForce RTX 4090 24GB
Interconnect	—	—
TDP	115 W	450 W
FP32 Efficiency	0.13 TFLOPS/W	0.18 TFLOPS/W