

NVIDIA GeForce RTX 4080 Super 16GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 4080 Super 16GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	52.2	82.6
VRAM	16 GB	24 GB
Memory Bandwidth	736 GB/s	1.0 TB/s
TDP	320 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4080 Super 16GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
INT8	208.9	330.3
FP8	208.9	330.3
FP16	104.4	165.2
BF16	104.4	165.2
TF32	52.2	82.6
FP32	52.2	82.6
FP64	0.8	1.3

SPECIFICATIONS

	NVIDIA GeForce RTX 4080 Super 16GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2022
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—

	NVIDIA GeForce RTX 4080 Super 16GB	NVIDIA GeForce RTX 4090 24GB
Interconnect	—	—
TDP	320 W	450 W
FP32 Efficiency	0.16 TFLOPS/W	0.18 TFLOPS/W