



NVIDIA GeForce RTX 4070 SUPER 12GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 4070 SUPER 12GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	35.5	82.6
VRAM	12 GB	24 GB
Memory Bandwidth	—	1.0 TB/s
TDP	220 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4070 SUPER 12GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
FP64	0.6	1.3
FP32	35.5	82.6
TF32	35.5	82.6
BF16	71.0	165.2
FP16	71.0	165.2
FP8	141.9	330.3
FP6	—	—
FP4	—	—
INT8	283.9	660.6

SPECIFICATIONS

	NVIDIA GeForce RTX 4070 SUPER 12GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	—

	NVIDIA GeForce RTX 4070 SUPER 12GB	NVIDIA GeForce RTX 4090 24GB
Interface Width	192-bit	—
Interconnect	—	—
TDP	220 W	450 W
FP32 Efficiency	0.16 TFLOPS/W	0.18 TFLOPS/W