



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

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

OVERVIEW

	NVIDIA GeForce RTX 4070 Ti 12GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	40.1	82.6
VRAM	12 GB	24 GB
Memory Bandwidth	504 GB/s	1.0 TB/s
TDP	285 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4070 Ti 12GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
INT8	160.4	330.3
FP8	160.4	330.3
FP16	80.2	165.2
BF16	80.2	165.2
TF32	40.1	82.6
FP32	40.1	82.6
FP64	0.6	1.3

SPECIFICATIONS

	NVIDIA GeForce RTX 4070 Ti 12GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	NVIDIA GeForce RTX 4070 Ti 12GB	NVIDIA GeForce RTX 4090 24GB
TDP	285 W	450 W
FP32 Efficiency	0.14 TFLOPS/W	0.18 TFLOPS/W