

NVIDIA GeForce RTX 3070 Ti 8GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 3070 Ti 8GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	21.8	35.6
VRAM	8 GB	24 GB
Memory Bandwidth	—	936 GB/s
TDP	290 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3070 Ti 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
FP64	0.3	0.6
FP32	21.8	35.6
TF32	21.8	35.6
BF16	43.5	71.0
FP16	43.5	71.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	174.0	284.0
INT4	348.0	568.0

SPECIFICATIONS

	NVIDIA GeForce RTX 3070 Ti 8GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	—

	NVIDIA GeForce RTX 3070 Ti 8GB	NVIDIA GeForce RTX 3090 24GB
Interface Width	256-bit	—
Interconnect	—	—
TDP	290 W	350 W
FP32 Efficiency	0.07 TFLOPS/W	0.10 TFLOPS/W