



NVIDIA GeForce RTX 3080 Ti 12GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 3080 Ti 12GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	34.1	35.6
VRAM	12 GB	24 GB
Memory Bandwidth	912 GB/s	936 GB/s
TDP	350 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3080 Ti 12GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
INT8	68.2	284.0
INT4	—	568.0
FP16	34.1	71.0
BF16	34.1	71.0
TF32	34.1	35.6
FP32	34.1	35.6
FP64	0.5	0.6

SPECIFICATIONS

	NVIDIA GeForce RTX 3080 Ti 12GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	NVIDIA GeForce RTX 3080 Ti 12GB	NVIDIA GeForce RTX 3090 24GB
TDP	350 W	350 W
FP32 Efficiency	0.10 TFLOPS/W	0.10 TFLOPS/W