

NVIDIA GeForce RTX 3050 8GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 3050 8GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	9.1	35.6
VRAM	8 GB	24 GB
Memory Bandwidth	—	936 GB/s
TDP	130 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3050 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
FP64	0.1	0.6
FP32	9.1	35.6
TF32	9.1	35.6
BF16	18.2	71.0
FP16	18.2	71.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	72.8	284.0
INT4	145.6	568.0

SPECIFICATIONS

	NVIDIA GeForce RTX 3050 8GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2022	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—

	NVIDIA GeForce RTX 3050 8GB	NVIDIA GeForce RTX 3090 24GB
Interface Width	128-bit	—
Interconnect	—	—
TDP	130 W	350 W
FP32 Efficiency	0.07 TFLOPS/W	0.10 TFLOPS/W