



NVIDIA GeForce RTX 3060 Ti 8GB vs NVIDIA GeForce RTX 3090 Ti 24GB

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

OVERVIEW

	NVIDIA GeForce RTX 3060 Ti 8GB	NVIDIA GeForce RTX 3090 Ti 24GB
FP32 TFLOPS	16.2	40.0
VRAM	8 GB	24 GB
Memory Bandwidth	—	1.0 TB/s
TDP	200 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3060 Ti 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 Ti 24GB peak TFLOPS (dense)
FP64	0.3	0.6
FP32	16.2	40.0
TF32	16.2	40.0
BF16	32.4	40.0
FP16	32.4	40.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	129.6	80.0
INT4	259.1	—

SPECIFICATIONS

	NVIDIA GeForce RTX 3060 Ti 8GB	NVIDIA GeForce RTX 3090 Ti 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2020	2022
Form Factor	PCIe	PCIe

	NVIDIA GeForce RTX 3060 Ti 8GB	NVIDIA GeForce RTX 3090 Ti 24GB
Memory Type	GDDR6	—
Interface Width	256-bit	—
Interconnect	—	—
TDP	200 W	450 W
FP32 Efficiency	0.08 TFLOPS/W	0.09 TFLOPS/W