



NVIDIA GeForce RTX 3090 Ti 24GB vs NVIDIA RTX A6000 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 3090 Ti 24GB	NVIDIA RTX A6000 48GB
FP32 TFLOPS	40.0	38.7
VRAM	24 GB	48 GB
Memory Bandwidth	1.0 TB/s	768 GB/s
TDP	450 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3090 Ti 24GB peak TFLOPS (dense)	NVIDIA RTX A6000 48GB peak TFLOPS (dense)
INT8	80.0	309.7
INT4	—	619.3
FP16	40.0	154.8
BF16	40.0	154.8
TF32	40.0	77.4
FP32	40.0	38.7
FP64	0.6	0.6

SPECIFICATIONS

	NVIDIA GeForce RTX 3090 Ti 24GB	NVIDIA RTX A6000 48GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2022	2020
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—

	NVIDIA GeForce RTX 3090 Ti 24GB	NVIDIA RTX A6000 48GB
TDP	450 W	300 W
FP32 Efficiency	0.09 TFLOPS/W	0.13 TFLOPS/W