



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

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

OVERVIEW

	NVIDIA RTX A6000 48GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	38.7	35.6
VRAM	48 GB	24 GB
Memory Bandwidth	768 GB/s	936 GB/s
TDP	300 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A6000 48GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
INT8	309.7	284.0
INT4	619.3	568.0
FP16	154.8	71.0
BF16	154.8	71.0
TF32	77.4	35.6
FP32	38.7	35.6
FP64	0.6	0.6

SPECIFICATIONS

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

	NVIDIA RTX A6000 48GB	NVIDIA GeForce RTX 3090 24GB
TDP	300 W	350 W
FP32 Efficiency	0.13 TFLOPS/W	0.10 TFLOPS/W