



NVIDIA RTX A2000 6GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA RTX A2000 6GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	8.0	35.6
VRAM	6 GB	24 GB
Memory Bandwidth	288 GB/s	936 GB/s
TDP	70 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A2000 6GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
FP64	0.1	0.6
FP32	8.0	35.6
TF32	—	35.6
BF16	—	71.0
FP16	—	71.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	284.0
INT4	—	568.0

SPECIFICATIONS

	NVIDIA RTX A2000 6GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	192-bit	—

	NVIDIA RTX A2000 6GB	NVIDIA GeForce RTX 3090 24GB
Interconnect	—	—
TDP	70 W	350 W
FP32 Efficiency	0.11 TFLOPS/W	0.10 TFLOPS/W