



NVIDIA A10 24GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA A10 24GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	31.2	35.6
VRAM	24 GB	24 GB
Memory Bandwidth	600 GB/s	936 GB/s
TDP	150 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA A10 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
INT8	250.0	284.0
INT4	500.0	568.0
FP16	125.0	71.0
BF16	125.0	71.0
TF32	62.5	35.6
FP32	31.2	35.6
FP64	—	0.6

SPECIFICATIONS

	NVIDIA A10 24GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	192-bit	—
Interconnect	—	—
TDP	150 W	350 W
FP32 Efficiency	0.21 TFLOPS/W	0.10 TFLOPS/W

