



NVIDIA A30 24GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA A30 24GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	10.3	35.6
VRAM	24 GB	24 GB
Memory Bandwidth	933 GB/s	936 GB/s
TDP	165 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA A30 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
INT8	330.0	284.0
INT4	661.0	568.0
FP16	165.0	71.0
BF16	165.0	71.0
TF32	82.0	35.6
FP32	10.3	35.6
FP64	5.2	0.6

SPECIFICATIONS

	NVIDIA A30 24GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	HBM2e	—
Interface Width	384-bit	—
Interconnect	—	—

	NVIDIA A30 24GB	NVIDIA GeForce RTX 3090 24GB
TDP	165 W	350 W
FP32 Efficiency	0.06 TFLOPS/W	0.10 TFLOPS/W