



NVIDIA RTX A5500 24GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA RTX A5500 24GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	34.1	35.6
VRAM	24 GB	24 GB
Memory Bandwidth	768 GB/s	936 GB/s
TDP	230 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A5500 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
FP64	0.5	0.6
FP32	34.1	35.6
TF32	—	35.6
BF16	—	71.0
FP16	—	71.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	284.0
INT4	—	568.0

SPECIFICATIONS

	NVIDIA RTX A5500 24GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2022	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	384-bit	—

	NVIDIA RTX A5500 24GB	NVIDIA GeForce RTX 3090 24GB
Interconnect	NVLink	—
TDP	230 W	350 W
FP32 Efficiency	0.15 TFLOPS/W	0.10 TFLOPS/W