NVIDIA GeForce RTX 3050 8GB vs NVIDIA RTX A6000 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 3050 8GB	NVIDIA RTX A6000 48GB
FP32 TFLOPS	**9.1**	**38.7**
VRAM	**8 GB**	**48 GB**
Memory Bandwidth	**—**	**768 GB/s**
TDP	**130 W**	**300 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3050 8GB peak TFLOPS (dense)	NVIDIA RTX A6000 48GB peak TFLOPS (dense)
FP64	0.1	0.6
FP32	9.1	38.7
TF32	9.1	77.4
BF16	18.2	154.8
FP16	18.2	154.8
FP8	—	—
FP6	—	—
FP4	—	—
INT8	72.8	309.7
INT4	145.6	619.3

SPECIFICATIONS

	NVIDIA GeForce RTX 3050 8GB	NVIDIA RTX A6000 48GB
Architecture	Ampere	Ampere
Process Node	8nm	8nm
Launch Year	2022	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	128-bit	—

	NVIDIA GeForce RTX 3050 8GB	NVIDIA RTX A6000 48GB
Interconnect	–	–
TDP	130 W	300 W
FP32 Efficiency	0.07 TFLOPS/W	0.13 TFLOPS/W