



NVIDIA A30 24GB vs NVIDIA RTX A6000 48GB

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

OVERVIEW

	NVIDIA A30 24GB	NVIDIA RTX A6000 48GB
FP32 TFLOPS	10.3	38.7
VRAM	24 GB	48 GB
Memory Bandwidth	933 GB/s	768 GB/s
TDP	165 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA A30 24GB peak TFLOPS (dense)	NVIDIA RTX A6000 48GB peak TFLOPS (dense)
INT8	330.0	309.7
INT4	661.0	619.3
FP16	165.0	154.8
BF16	165.0	154.8
TF32	82.0	77.4
FP32	10.3	38.7
FP64	5.2	0.6

SPECIFICATIONS

	NVIDIA A30 24GB	NVIDIA RTX A6000 48GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	HBM2e	—
Interface Width	384-bit	—
Interconnect	—	—
TDP	165 W	300 W
FP32 Efficiency	0.06 TFLOPS/W	0.13 TFLOPS/W

