



NVIDIA RTX A5000 24GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA RTX A5000 24GB	NVIDIA A40 48GB
FP32 TFLOPS	27.8	37.4
VRAM	24 GB	48 GB
Memory Bandwidth	768 GB/s	696 GB/s
TDP	230 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A5000 24GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
INT8	55.6	299.3
INT4	—	598.7
FP16	27.8	149.7
BF16	27.8	149.7
TF32	27.8	74.8
FP32	27.8	37.4
FP64	0.4	—

SPECIFICATIONS

	NVIDIA RTX A5000 24GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	8nm	—
Launch Year	2021	2021
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	384-bit
Interconnect	—	—
TDP	230 W	300 W
FP32 Efficiency	0.12 TFLOPS/W	0.12 TFLOPS/W

