



NVIDIA RTX A5500 24GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA RTX A5500 24GB	NVIDIA A40 48GB
FP32 TFLOPS	34.1	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 A5500 24GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
FP64	0.5	—
FP32	34.1	37.4
TF32	—	74.8
BF16	—	149.7
FP16	—	149.7
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	299.3
INT4	—	598.7

SPECIFICATIONS

	NVIDIA RTX A5500 24GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	8nm	—
Launch Year	2022	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	384-bit	384-bit

	NVIDIA RTX A5500 24GB	NVIDIA A40 48GB
Interconnect	NVLink	—
TDP	230 W	300 W
FP32 Efficiency	0.15 TFLOPS/W	0.12 TFLOPS/W