



NVIDIA A10 24GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA A10 24GB	NVIDIA A40 48GB
FP32 TFLOPS	31.2	37.4
VRAM	24 GB	48 GB
Memory Bandwidth	600 GB/s	696 GB/s
TDP	150 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA A10 24GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
INT8	250.0	299.3
INT4	500.0	598.7
FP16	125.0	149.7
BF16	125.0	149.7
TF32	62.5	74.8
FP32	31.2	37.4

SPECIFICATIONS

	NVIDIA A10 24GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	—	—
Launch Year	2021	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	192-bit	384-bit
Interconnect	—	—
TDP	150 W	300 W
FP32 Efficiency	0.21 TFLOPS/W	0.12 TFLOPS/W

