



NVIDIA Jetson AGX Orin 64GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA Jetson AGX Orin 64GB	NVIDIA A40 48GB
FP32 TFLOPS	5.3	37.4
VRAM	64 GB	48 GB
Memory Bandwidth	205 GB/s	696 GB/s
TDP	60 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Jetson AGX Orin 64GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
FP64	—	—
FP32	5.3	37.4
TF32	—	74.8
BF16	—	149.7
FP16	43.0	149.7
FP8	—	—
FP6	—	—
FP4	—	—
INT8	85.0	299.3
INT4	—	598.7

SPECIFICATIONS

	NVIDIA Jetson AGX Orin 64GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	—	—
Launch Year	2021	2021
Form Factor	Module	PCIe
Memory Type	LPDDR5	GDDR6
Interface Width	256-bit	384-bit

	NVIDIA Jetson AGX Orin 64GB	NVIDIA A40 48GB
Interconnect	—	—
TDP	60 W	300 W
FP32 Efficiency	0.09 TFLOPS/W	0.12 TFLOPS/W