



NVIDIA Jetson AGX Orin 64GB vs NVIDIA RTX A6000 48GB

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

OVERVIEW

	NVIDIA Jetson AGX Orin 64GB	NVIDIA RTX A6000 48GB
FP32 TFLOPS	5.3	38.7
VRAM	64 GB	48 GB
Memory Bandwidth	205 GB/s	768 GB/s
TDP	60 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Jetson AGX Orin 64GB peak TFLOPS (dense)	NVIDIA RTX A6000 48GB peak TFLOPS (dense)
FP64	—	0.6
FP32	5.3	38.7
TF32	—	77.4
BF16	—	154.8
FP16	43.0	154.8
FP8	—	—
FP6	—	—
FP4	—	—
INT8	85.0	309.7
INT4	—	619.3

SPECIFICATIONS

	NVIDIA Jetson AGX Orin 64GB	NVIDIA RTX A6000 48GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2021	2020
Form Factor	Module	PCIe
Memory Type	LPDDR5	—
Interface Width	256-bit	—

	NVIDIA Jetson AGX Orin 64GB	NVIDIA RTX A6000 48GB
Interconnect	—	—
TDP	60 W	300 W
FP32 Efficiency	0.09 TFLOPS/W	0.13 TFLOPS/W