

NVIDIA Jetson Orin Nano Super 8GB vs NVIDIA RTX A6000 48GB

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

OVERVIEW

	NVIDIA Jetson Orin Nano Super 8GB	NVIDIA RTX A6000 48GB
FP32 TFLOPS	—	38.7
VRAM	8 GB	48 GB
Memory Bandwidth	102 GB/s	768 GB/s
TDP	25 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Jetson Orin Nano Super 8GB peak TFLOPS (dense)	NVIDIA RTX A6000 48GB peak TFLOPS (dense)
FP64	—	0.6
FP32	—	38.7
TF32	—	77.4
BF16	—	154.8
FP16	—	154.8
FP8	—	—
FP6	—	—
FP4	—	—
INT8	33.0	309.7
INT4	—	619.3

SPECIFICATIONS

	NVIDIA Jetson Orin Nano Super 8GB	NVIDIA RTX A6000 48GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2024	2020
Form Factor	Module	PCIe
Memory Type	LPDDR5	—
Interface Width	128-bit	—

	NVIDIA Jetson Orin Nano Super 8GB	NVIDIA RTX A6000 48GB
Interconnect	—	—
TDP	25 W	300 W
FP32 Efficiency	—	0.13 TFLOPS/W