

NVIDIA Jetson AGX Orin 64GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA Jetson AGX Orin 64GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	5.3	35.6
VRAM	64 GB	24 GB
Memory Bandwidth	205 GB/s	936 GB/s
TDP	60 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Jetson AGX Orin 64GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
FP64	—	0.6
FP32	5.3	35.6
TF32	—	35.6
BF16	—	71.0
FP16	43.0	71.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	85.0	284.0
INT4	—	568.0

SPECIFICATIONS

	NVIDIA Jetson AGX Orin 64GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2021	2020
Form Factor	Module	PCIe
Memory Type	LPDDR5	—

	NVIDIA Jetson AGX Orin 64GB	NVIDIA GeForce RTX 3090 24GB
Interface Width	256-bit	—
Interconnect	—	—
TDP	60 W	350 W
FP32 Efficiency	0.09 TFLOPS/W	0.10 TFLOPS/W