



NVIDIA Jetson Orin Nano Super 8GB vs NVIDIA GeForce RTX 3090 24GB

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

OVERVIEW

	NVIDIA Jetson Orin Nano Super 8GB	NVIDIA GeForce RTX 3090 24GB
FP32 TFLOPS	—	35.6
VRAM	8 GB	24 GB
Memory Bandwidth	102 GB/s	936 GB/s
TDP	25 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Jetson Orin Nano Super 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3090 24GB peak TFLOPS (dense)
FP64	—	0.6
FP32	—	35.6
TF32	—	35.6
BF16	—	71.0
FP16	—	71.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	33.0	284.0
INT4	—	568.0

SPECIFICATIONS

	NVIDIA Jetson Orin Nano Super 8GB	NVIDIA GeForce RTX 3090 24GB
Architecture	Ampere	Ampere
Process Node	—	8nm
Launch Year	2024	2020
Form Factor	Module	PCIe

	NVIDIA Jetson Orin Nano Super 8GB	NVIDIA GeForce RTX 3090 24GB
Memory Type	LPDDR5	—
Interface Width	128-bit	—
Interconnect	—	—
TDP	25 W	350 W
FP32 Efficiency	—	0.10 TFLOPS/W