



# NVIDIA Jetson Orin Nano Super 8GB vs NVIDIA A10G 24GB

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

## OVERVIEW

|                  | NVIDIA Jetson Orin Nano Super 8GB | NVIDIA A10G 24GB |
|------------------|-----------------------------------|------------------|
| FP32 TFLOPS      | —                                 | 35.0             |
| VRAM             | 8 GB                              | 24 GB            |
| Memory Bandwidth | 102 GB/s                          | 600 GB/s         |
| TDP              | 25 W                              | 300 W            |

## PERFORMANCE BY PRECISION

| Precision | NVIDIA Jetson Orin Nano Super 8GB peak TFLOPS (dense) | NVIDIA A10G 24GB peak TFLOPS (dense) |
|-----------|-------------------------------------------------------|--------------------------------------|
| FP64      | —                                                     | —                                    |
| FP32      | —                                                     | 35.0                                 |
| TF32      | —                                                     | 35.0                                 |
| BF16      | —                                                     | 70.0                                 |
| FP16      | —                                                     | 70.0                                 |
| FP8       | —                                                     | —                                    |
| FP6       | —                                                     | —                                    |
| FP4       | —                                                     | —                                    |
| INT8      | 33.0                                                  | 140.0                                |
| INT4      | —                                                     | 280.0                                |

## SPECIFICATIONS

|                 | NVIDIA Jetson Orin Nano Super 8GB | NVIDIA A10G 24GB |
|-----------------|-----------------------------------|------------------|
| Architecture    | Ampere                            | Ampere           |
| Process Node    | —                                 | 8nm              |
| Launch Year     | 2024                              | 2022             |
| Form Factor     | Module                            | PCIe             |
| Memory Type     | LPDDR5                            | GDDR6            |
| Interface Width | 128-bit                           | —                |

|                 | NVIDIA Jetson Orin Nano Super 8GB | NVIDIA A10G 24GB |
|-----------------|-----------------------------------|------------------|
| Interconnect    | —                                 | —                |
| TDP             | 25 W                              | 300 W            |
| FP32 Efficiency | —                                 | 0.12 TFLOPS/W    |