



NVIDIA Jetson Orin Nano Super 8GB

Ampere

Module

2024

OVERVIEW

— FP32 TFLOPS	8 GB VRAM LPDDR5	102 GB/s Memory Bandwidth	25 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	—	N/A	—	Standard
FP32	—	N/A	—	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	not published	—	Standard
FP8	—	not published	—	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	33.0	67.0	8	Standard

MEMORY SPECIFICATIONS

Capacity	8 GB
Type	LPDDR5
Bandwidth	102 GB/s
Interface Width	128-bit

POWER & EFFICIENCY

TDP	25 W
Max Power	25 W
FP32 Efficiency	—
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: —
Form Factor: Module	Launch Year: 2024	Variant: 8GB

COMPUTE ENGINE

CUDA Cores: 1,024	Tensor Cores: 32 (3rd Gen)	SMs: 8
Boost Clock: 1.02 GHz		

ENTERPRISE FEATURES

Sparsity: Yes

