

NVIDIA RTX A5500 24GB

Ampere

PCIe

2022

8nm

OVERVIEW

34.1 FP32 TFLOPS	24 GB VRAM GDDR6	768 GB/s Memory Bandwidth	230 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.5	N/A	64	Standard
FP32	34.1	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	272.8	16	Standard
FP8	—	not published	—	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	24 GB
Type	GDDR6
Bandwidth	768 GB/s
Interface Width	384-bit

POWER & EFFICIENCY

TDP	230 W
Max Power	230 W
FP32 Efficiency	0.15 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: 8nm
Form Factor: PCIe	Launch Year: 2022	Variant: 24GB

COMPUTE ENGINE

CUDA Cores: 10,240	Tensor Cores: 320 (3rd Gen)	SMs: 80
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INTERCONNECT

GPU-to-GPU: NVLink	Bandwidth: 113 GB/s	Links: 2
PCIe: 4.0 x16		

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**