



NVIDIA RTX 4500 Ada 24GB

Ada Lovelace PCIe 2023 4nm

OVERVIEW

39.6 FP32 TFLOPS	24 GB VRAM GDDR6	432 GB/s Memory Bandwidth	210 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.6	N/A	64	Standard
FP32	39.6	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	not published	—	Standard
FP8	317.0	634.0	8	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	24 GB
Type	GDDR6
Bandwidth	432 GB/s
Interface Width	192-bit

POWER & EFFICIENCY

TDP	210 W
Max Power	210 W
FP32 Efficiency	0.19 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2023	Variant: 24GB

COMPUTE ENGINE

CUDA Cores: 7,680	Tensor Cores: 240 (4th Gen)	SMs: 60
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INTERCONNECT

PCIe: 4.0 x16

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**