



NVIDIA RTX 4000 Ada 20GB

Ada Lovelace PCIe 2023 4nm

OVERVIEW

26.7 FP32 TFLOPS	20 GB VRAM GDDR6	360 GB/s Memory Bandwidth	130 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.4	N/A	64	Standard
FP32	26.7	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	not published	—	Standard
FP8	213.8	427.6	8	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	20 GB
Type	GDDR6
Bandwidth	360 GB/s
Interface Width	160-bit

POWER & EFFICIENCY

TDP	130 W
Max Power	130 W
FP32 Efficiency	0.21 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2023	Variant: 20GB

COMPUTE ENGINE

CUDA Cores: 6,144	Tensor Cores: 192 (4th Gen)	SMs: 48
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INTERCONNECT

PCIe: 4.0 x16

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**