



NVIDIA GeForce RTX 4070 Ti SUPER 16GB

Ada Lovelace PCIe 2024 4nm

OVERVIEW

44.1 FP32 TFLOPS	16 GB VRAM GDDR6X	— Memory Bandwidth	285 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.7	N/A	64	Standard
FP32	44.1	N/A	32	Standard
TF32	44.1	not published	32	Standard
BF16	88.2	not published	16	Standard
FP16	88.2	not published	16	Standard
FP8	176.4	not published	8	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	352.8	not published	8	Standard

MEMORY SPECIFICATIONS

Capacity	16 GB
Type	GDDR6X
Bandwidth	—
Interface Width	256-bit

POWER & EFFICIENCY

TDP	285 W
Max Power	285 W
FP32 Efficiency	0.15 TFLOPS/W
FP16 Efficiency	0.31 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2024	Variant: 16GB

COMPUTE ENGINE

CUDA Cores: 8,448	Tensor Cores: 264 (4th Gen)	SMs: 66
Base Clock: 2.34 GHz	Boost Clock: 2.61 GHz	

INTERCONNECT

PCIe: 4.0

CHIP DESIGN

Transistors: 45.9 billion Die Size: 379 mm²

ENTERPRISE FEATURES

Sparsity: Yes