



NVIDIA GeForce RTX 5070 Ti 16GB

Blackwell

PCIe

2025

4nm

OVERVIEW

43.9 FP32 TFLOPS	16 GB VRAM GDDR7	896 GB/s Memory Bandwidth	300 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.7	N/A	64	Standard
FP32	43.9	N/A	32	Standard
TF32	43.9	87.9	32	Standard
BF16	87.9	175.8	16	Standard
FP16	175.8	351.5	16	Standard
FP8	351.5	703.0	8	Standard
FP6	—	not published	—	Standard
FP4	703.0	1406.0	4	Standard
INT8	351.5	703.0	8	Standard

MEMORY SPECIFICATIONS

Capacity	16 GB
Type	GDDR7
Bandwidth	896 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	300 W
Max Power	300 W
FP32 Efficiency	0.15 TFLOPS/W
FP16 Efficiency	0.59 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Blackwell	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2025	Variant: 16GB

COMPUTE ENGINE

CUDA Cores: 8,960	Tensor Cores: 280 (5th Gen)	SMs: 70
Base Clock: 2.30 GHz	Boost Clock: 2.45 GHz	

INTERCONNECT

PCIe: 5.0

CHIP DESIGN

Transistors: 45.6 billion Die Size: 378 mm²

ENTERPRISE FEATURES

Sparsity: Yes