



NVIDIA RTX PRO 4500 Blackwell 32GB

Blackwell

PCIe

2025

4nm

OVERVIEW

51.0 FP32 TFLOPS	32 GB VRAM GDDR7	896 GB/s Memory Bandwidth	200 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	—	N/A	—	Standard
FP32	51.0	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	not published	—	Standard
FP8	—	not published	—	Standard
FP6	—	not published	—	Standard
FP4	808.5	1617.0	4	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	32 GB
Type	GDDR7
Bandwidth	896 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	200 W
Max Power	200 W
FP32 Efficiency	0.26 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Blackwell	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2025	Variant: 32GB

COMPUTE ENGINE

CUDA Cores: 10,496	SMs: 82
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INTERCONNECT

PCIe: 5.0 x16

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**