



NVIDIA RTX PRO 4500 Blackwell Server Edition

Blackwell PCIe 2026 4nm

OVERVIEW

51.0 FP32 TFLOPS	32 GB Memory GDDR7	800 GB/s Memory Bandwidth	165 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	101.5	203.0	32	Standard
BF16	203.0	406.0	16	Standard
FP16	203.0	406.0	16	Standard
FP8	405.5	811.0	8	Standard
FP6	—	not published	—	Standard
FP4	800.0	1600.0	4	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	32 GB
Type	GDDR7
Bandwidth	800 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	165 W
Max power	165 W
FP32 dense TFLOPS per W of TDP	0.31 TFLOPS/W
FP16 dense TFLOPS per W of TDP	1.23 TFLOPS/W

Per W of TDP figures divide dense peak by accelerator TDP.
Board power only: excludes host CPUs, networking, cooling and facility overhead.

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Blackwell	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2026	Variant: Server Edition

COMPUTE ENGINE

CUDA Cores: 10,496	SMs: 82
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INTERCONNECT

PCIe: 5.0 x16

ENTERPRISE FEATURES

ECC: Yes

MIG: Up to 2 MIG @ 16GB

Sparsity: Yes