

NVIDIA RTX PRO 6000 Blackwell Server Edition vs NVIDIA RTX PRO 4500 Blackwell Server Edition

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	NVIDIA RTX PRO 6000 Blackwell Server Edition	NVIDIA RTX PRO 4500 Blackwell Server Edition
FP32 TFLOPS	120.0	51.0
Memory	96 GB	32 GB
Memory Bandwidth	1.6 TB/s	800 GB/s
TDP	600 W	165 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 6000 Blackwell Server Edition peak TFLOPS (dense)	NVIDIA RTX PRO 4500 Blackwell Server Edition peak TFLOPS (dense)
FP64	—	—
FP32	120.0	51.0
TF32	234.0	101.5
BF16	500.0	203.0
FP16	500.0	203.0
FP8	1000.0	405.5
FP6	—	—
FP4	2000.0	800.0
INT8	—	—

SPECIFICATIONS

	NVIDIA RTX PRO 6000 Blackwell Server Edition	NVIDIA RTX PRO 4500 Blackwell Server Edition
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2026

	NVIDIA RTX PRO 6000 Blackwell Server Edition	NVIDIA RTX PRO 4500 Blackwell Server Edition
Form Factor	PCIe	PCIe
Memory Type	GDDR7	GDDR7
Interface Width	512-bit	256-bit
Interconnect	—	—
TDP	600 W	165 W
FP32 Efficiency	0.20 TFLOPS/W	0.31 TFLOPS/W