

NVIDIA RTX PRO 4500 Blackwell 32GB vs NVIDIA RTX PRO 6000 Blackwell Server Edition

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

OVERVIEW

	NVIDIA RTX PRO 4500 Blackwell 32GB	NVIDIA RTX PRO 6000 Blackwell Server Edition
FP32 TFLOPS	51.0	120.0
VRAM	32 GB	96 GB
Memory Bandwidth	896 GB/s	1.6 TB/s
TDP	200 W	600 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 4500 Blackwell 32GB peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Server Edition peak TFLOPS (dense)
FP64	—	—
FP32	51.0	120.0
TF32	—	234.0
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	808.5	—
INT8	—	—

SPECIFICATIONS

	NVIDIA RTX PRO 4500 Blackwell 32GB	NVIDIA RTX PRO 6000 Blackwell Server Edition
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2025
Form Factor	PCIe	PCIe

	NVIDIA RTX PRO 4500 Blackwell 32GB	NVIDIA RTX PRO 6000 Blackwell Server Edition
Memory Type	GDDR7	GDDR7
Interface Width	256-bit	512-bit
Interconnect	—	—
TDP	200 W	600 W
FP32 Efficiency	0.26 TFLOPS/W	0.20 TFLOPS/W