

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

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

OVERVIEW

	NVIDIA RTX PRO 4500 Blackwell Server Edition	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
FP32 TFLOPS	51.0	126.0
Memory	32 GB	96 GB
Memory Bandwidth	800 GB/s	1.8 TB/s
TDP	165 W	600 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 4500 Blackwell Server Edition peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Workstation Edition peak TFLOPS (dense)
FP64	—	2.0
FP32	51.0	126.0
TF32	101.5	251.9
BF16	203.0	503.8
FP16	203.0	503.8
FP8	405.5	1007.6
FP6	—	—
FP4	800.0	2015.2
INT8	—	1007.6

SPECIFICATIONS

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

	NVIDIA RTX PRO 4500 Blackwell Server Edition	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
Form Factor	PCIe	PCIe
Memory Type	GDDR7	GDDR7
Interface Width	256-bit	512-bit
Interconnect	—	—
TDP	165 W	600 W
FP32 Efficiency	0.31 TFLOPS/W	0.21 TFLOPS/W