

NVIDIA RTX PRO 4500 Blackwell Server Edition vs NVIDIA B100 SXM 192GB

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

OVERVIEW

	NVIDIA RTX PRO 4500 Blackwell Server Edition	NVIDIA B100 SXM 192GB
FP32 TFLOPS	51.0	60.0
Memory	32 GB	192 GB
Memory Bandwidth	800 GB/s	8.0 TB/s
TDP	165 W	700 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 4500 Blackwell Server Edition peak TFLOPS (dense)	NVIDIA B100 SXM 192GB peak TFLOPS (dense)
FP64	—	30.0
FP32	51.0	60.0
TF32	101.5	875.0
BF16	203.0	1750.0
FP16	203.0	1750.0
FP8	405.5	3500.0
FP6	—	—
FP4	800.0	7000.0
INT8	—	3500.0

SPECIFICATIONS

	NVIDIA RTX PRO 4500 Blackwell Server Edition	NVIDIA B100 SXM 192GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2026	2024
Form Factor	PCIe	SXM
Memory Type	GDDR7	—

	NVIDIA RTX PRO 4500 Blackwell Server Edition	NVIDIA B100 SXM 192GB
Interface Width	256-bit	—
Interconnect	—	—
TDP	165 W	700 W
FP32 Efficiency	0.31 TFLOPS/W	0.09 TFLOPS/W