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

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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