

NVIDIA RTX PRO 5500 Blackwell Workstation Edition vs NVIDIA B100 SXM 192GB

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

OVERVIEW

	NVIDIA RTX PRO 5500 Blackwell Workstation Edition	NVIDIA B100 SXM 192GB
FP32 TFLOPS	—	60.0
Memory	84 GB	192 GB
Memory Bandwidth	1.4 TB/s	8.0 TB/s
TDP	600 W	700 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 5500 Blackwell Workstation Edition peak TFLOPS (dense)	NVIDIA B100 SXM 192GB peak TFLOPS (dense)
FP64	—	30.0
FP32	—	60.0
TF32	—	875.0
BF16	—	1750.0
FP16	—	1750.0
FP8	—	3500.0
FP6	—	—
FP4	—	7000.0
INT8	—	3500.0

SPECIFICATIONS

	NVIDIA RTX PRO 5500 Blackwell Workstation 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 5500 Blackwell Workstation Edition	NVIDIA B100 SXM 192GB
Interface Width	416-bit	—
Interconnect	—	—
TDP	600 W	700 W
FP32 Efficiency	—	0.09 TFLOPS/W