

NVIDIA RTX PRO 6000 Blackwell Workstation Edition vs NVIDIA B200 SXM 180GB

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

OVERVIEW

	NVIDIA RTX PRO 6000 Blackwell Workstation Edition	NVIDIA B200 SXM 180GB
FP32 TFLOPS	126.0	75.0
VRAM	96 GB	180 GB
Memory Bandwidth	1.8 TB/s	7.7 TB/s
TDP	600 W	1.0 kW

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 6000 Blackwell Workstation Edition peak TFLOPS (dense)	NVIDIA B200 SXM 180GB peak TFLOPS (dense)
INT8	—	4500.0
FP8	—	4500.0
FP4	—	9000.0
FP16	—	2250.0
BF16	—	2250.0
TF32	—	1125.0
FP32	126.0	75.0
FP64	—	37.0
FP6	—	4500.0

SPECIFICATIONS

	NVIDIA RTX PRO 6000 Blackwell Workstation Edition	NVIDIA B200 SXM 180GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2025

NVIDIA RTX PRO 6000 Blackwell Workstation Edition		NVIDIA B200 SXM 180GB
Form Factor	PCIe	SXM
Memory Type	GDDR7	—
Interface Width	512-bit	—
Interconnect	—	—
TDP	600 W	1.0 kW
FP32 Efficiency	0.21 TFLOPS/W	0.07 TFLOPS/W