NVIDIA B200 SXM 180GB vs NVIDIA RTX PRO 2000 Blackwell 16GB

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

OVERVIEW

	NVIDIA B200 SXM 180GB	NVIDIA RTX PRO 2000 Blackwell 16GB
FP32 TFLOPS	**75.0**	**17.0**
Memory	**180 GB**	**16 GB**
Memory Bandwidth	**7.7 TB/s**	**288 GB/s**
TDP	**1.0 kW**	**70 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA B200 SXM 180GB peak TFLOPS (dense)	NVIDIA RTX PRO 2000 Blackwell 16GB peak TFLOPS (dense)
FP64	37.0	—
FP32	75.0	17.0
TF32	1125.0	—
BF16	2250.0	—
FP16	2250.0	—
FP8	4500.0	—
FP6	4500.0	—
FP4	9000.0	272.5
INT8	4500.0	—

SPECIFICATIONS

	NVIDIA B200 SXM 180GB	NVIDIA RTX PRO 2000 Blackwell 16GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2024	2025
Form Factor	SXM	PCIe
Memory Type	—	GDDR7
Interface Width	—	128-bit

	NVIDIA B200 SXM 180GB	NVIDIA RTX PRO 2000 Blackwell 16GB
Interconnect	–	–
TDP	1.0 kW	70 W
FP32 Efficiency	0.07 TFLOPS/W	0.24 TFLOPS/W