



NVIDIA B200 SXM 180GB vs NVIDIA GB10 Grace Blackwell

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

OVERVIEW

	NVIDIA B200 SXM 180GB	NVIDIA GB10 Grace Blackwell
FP32 TFLOPS	75.0	31.0
VRAM	180 GB	128 GB
Memory Bandwidth	7.7 TB/s	273 GB/s
TDP	1.0 kW	180 W

PERFORMANCE BY PRECISION

Precision	NVIDIA B200 SXM 180GB peak TFLOPS (dense)	NVIDIA GB10 Grace Blackwell peak TFLOPS (dense)
FP64	37.0	—
FP32	75.0	31.0
TF32	1125.0	—
BF16	2250.0	—
FP16	2250.0	—
FP8	4500.0	—
FP6	4500.0	—
FP4	9000.0	500.0
INT8	4500.0	—

SPECIFICATIONS

	NVIDIA B200 SXM 180GB	NVIDIA GB10 Grace Blackwell
Architecture	Blackwell	Blackwell
Process Node	4nm	—
Launch Year	2024	2025
Form Factor	SXM	Integrated
Memory Type	—	LPDDR5X
Interface Width	—	—
Interconnect	—	—

	NVIDIA B200 SXM 180GB	NVIDIA GB10 Grace Blackwell
TDP	1.0 kW	180 W
FP32 Efficiency	0.07 TFLOPS/W	0.17 TFLOPS/W