



NVIDIA B100 SXM 192GB vs NVIDIA GB10 Grace Blackwell

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

OVERVIEW

	NVIDIA B100 SXM 192GB	NVIDIA GB10 Grace Blackwell
FP32 TFLOPS	60.0	31.0
VRAM	192 GB	128 GB
Memory Bandwidth	8.0 TB/s	273 GB/s
TDP	700 W	180 W

PERFORMANCE BY PRECISION

Precision	NVIDIA B100 SXM 192GB peak TFLOPS (dense)	NVIDIA GB10 Grace Blackwell peak TFLOPS (dense)
FP64	30.0	—
FP32	60.0	31.0
TF32	875.0	—
BF16	1750.0	—
FP16	1750.0	—
FP8	3500.0	—
FP6	—	—
FP4	7000.0	500.0
INT8	3500.0	—

SPECIFICATIONS

	NVIDIA B100 SXM 192GB	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 B100 SXM 192GB	NVIDIA GB10 Grace Blackwell
TDP	700 W	180 W
FP32 Efficiency	0.09 TFLOPS/W	0.17 TFLOPS/W