NVIDIA B100 SXM 192GB vs SambaNova SN50

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

OVERVIEW

	NVIDIA B100 SXM 192GB	SambaNova SN50
FP32 TFLOPS	**60.0**	**—**
Memory	**192 GB**	**64 GB**
Memory Bandwidth	**8.0 TB/s**	**—**
TDP	**700 W**	**—**

PERFORMANCE BY PRECISION

Precision	NVIDIA B100 SXM 192GB peak TFLOPS (dense)	SambaNova SN50 peak TFLOPS (dense)
FP64	30.0	—
FP32	60.0	—
TF32	875.0	—
BF16	1750.0	1600.0
FP16	1750.0	—
FP8	3500.0	3200.0
FP6	—	—
FP4	7000.0	—
INT8	3500.0	—

SPECIFICATIONS

	NVIDIA B100 SXM 192GB	SambaNova SN50
Architecture	Blackwell	RDU
Process Node	4nm	5nm
Launch Year	2024	2026
Form Factor	SXM	Custom
Memory Type	—	HBM2E
Interface Width	—	—
Interconnect	—	—

	NVIDIA B100 SXM 192GB	SambaNova SN50
TDP	700 W	–
FP32 Efficiency	0.09 TFLOPS/W	–