



NVIDIA B100 SXM 192GB vs NVIDIA GeForce RTX 5070 12GB

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

OVERVIEW

	NVIDIA B100 SXM 192GB	NVIDIA GeForce RTX 5070 12GB
FP32 TFLOPS	60.0	30.9
Memory	192 GB	12 GB
Memory Bandwidth	8.0 TB/s	672 GB/s
TDP	700 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA B100 SXM 192GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5070 12GB peak TFLOPS (dense)
FP64	30.0	0.5
FP32	60.0	30.9
TF32	875.0	30.9
BF16	1750.0	61.7
FP16	1750.0	123.5
FP8	3500.0	246.9
FP6	—	—
FP4	7000.0	493.9
INT8	3500.0	246.9

SPECIFICATIONS

	NVIDIA B100 SXM 192GB	NVIDIA GeForce RTX 5070 12GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2024	2025
Form Factor	SXM	PCIe
Memory Type	—	GDDR7
Interface Width	—	192-bit
Interconnect	—	—

	NVIDIA B100 SXM 192GB	NVIDIA GeForce RTX 5070 12GB
TDP	700 W	250 W
FP32 Efficiency	0.09 TFLOPS/W	0.12 TFLOPS/W