NVIDIA B100 SXM 192GB vs NVIDIA GeForce RTX 5050 8GB

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

OVERVIEW

	NVIDIA B100 SXM 192GB	NVIDIA GeForce RTX 5050 8GB
FP32 TFLOPS	**60.0**	**13.2**
Memory	**192 GB**	**8 GB**
Memory Bandwidth	**8.0 TB/s**	**320 GB/s**
TDP	**700 W**	**130 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA B100 SXM 192GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5050 8GB peak TFLOPS (dense)
FP64	30.0	0.2
FP32	60.0	13.2
TF32	875.0	13.2
BF16	1750.0	26.3
FP16	1750.0	52.6
FP8	3500.0	105.3
FP6	—	—
FP4	7000.0	210.5
INT8	3500.0	105.3

SPECIFICATIONS

	NVIDIA B100 SXM 192GB	NVIDIA GeForce RTX 5050 8GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2024	2025
Form Factor	SXM	PCIe
Memory Type	—	GDDR6
Interface Width	—	128-bit
Interconnect	—	—

	NVIDIA B100 SXM 192GB	NVIDIA GeForce RTX 5050 8GB
TDP	700 W	130 W
FP32 Efficiency	0.09 TFLOPS/W	0.10 TFLOPS/W