NVIDIA B200 SXM 180GB vs NVIDIA GeForce RTX 5050 8GB

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

OVERVIEW

	NVIDIA B200 SXM 180GB	NVIDIA GeForce RTX 5050 8GB
FP32 TFLOPS	**75.0**	**13.2**
Memory	**180 GB**	**8 GB**
Memory Bandwidth	**7.7 TB/s**	**320 GB/s**
TDP	**1.0 kW**	**130 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA B200 SXM 180GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5050 8GB peak TFLOPS (dense)
FP64	37.0	0.2
FP32	75.0	13.2
TF32	1125.0	13.2
BF16	2250.0	26.3
FP16	2250.0	52.6
FP8	4500.0	105.3
FP6	4500.0	—
FP4	9000.0	210.5
INT8	4500.0	105.3

SPECIFICATIONS

	NVIDIA B200 SXM 180GB	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 B200 SXM 180GB	NVIDIA GeForce RTX 5050 8GB
TDP	1.0 kW	130 W
FP32 Efficiency	0.07 TFLOPS/W	0.10 TFLOPS/W