

NVIDIA GeForce RTX 5050 8GB vs NVIDIA GB200 Grace Blackwell Superchip 372GB

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

OVERVIEW

	NVIDIA GeForce RTX 5050 8GB	NVIDIA GB200 Grace Blackwell Superchip 372GB
FP32 TFLOPS	13.2	160.0
VRAM	8 GB	372 GB
Memory Bandwidth	320 GB/s	16.0 TB/s
TDP	130 W	—

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 5050 8GB peak TFLOPS (dense)	NVIDIA GB200 Grace Blackwell Superchip 372GB peak TFLOPS (dense)
FP64	0.2	80.0
FP32	13.2	160.0
TF32	13.2	2500.0
BF16	26.3	5000.0
FP16	52.6	5000.0
FP8	105.3	10000.0
FP6	—	10000.0
FP4	210.5	20000.0
INT8	105.3	10000.0

SPECIFICATIONS

	NVIDIA GeForce RTX 5050 8GB	NVIDIA GB200 Grace Blackwell Superchip 372GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2024
Form Factor	PCIe	Superchip
Memory Type	GDDR6	HBM3e

	NVIDIA GeForce RTX 5050 8GB	NVIDIA GB200 Grace Blackwell Superchip 372GB
Interface Width	128-bit	—
Interconnect	—	NVLink-C2C
TDP	130 W	—
FP32 Efficiency	0.10 TFLOPS/W	—