

NVIDIA GB200 Grace Blackwell Superchip 372GB vs NVIDIA GeForce RTX 5090 D 32GB

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

OVERVIEW

	NVIDIA GB200 Grace Blackwell Superchip 372GB	NVIDIA GeForce RTX 5090 D 32GB
FP32 TFLOPS	160.0	104.8
Memory	372 GB	32 GB
Memory Bandwidth	16.0 TB/s	—
TDP	—	575 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GB200 Grace Blackwell Superchip 372GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5090 D 32GB peak TFLOPS (dense)
FP64	80.0	1.6
FP32	160.0	104.8
TF32	2500.0	—
BF16	5000.0	—
FP16	5000.0	—
FP8	10000.0	—
FP6	10000.0	—
FP4	20000.0	1187.5
INT8	10000.0	—

SPECIFICATIONS

	NVIDIA GB200 Grace Blackwell Superchip 372GB	NVIDIA GeForce RTX 5090 D 32GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2024	2025
Form Factor	Superchip	PCIe

NVIDIA GB200 Grace Blackwell Superchip 372GB		NVIDIA GeForce RTX 5090 D 32GB
Memory Type	HBM3e	GDDR7
Interface Width	—	512-bit
Interconnect	NVLink-C2C	—
TDP	—	575 W
FP32 Efficiency	—	0.18 TFLOPS/W