

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

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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