

NVIDIA GeForce RTX 5090 D 32GB vs NVIDIA GeForce RTX 5090 32GB

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

OVERVIEW

	NVIDIA GeForce RTX 5090 D 32GB	NVIDIA GeForce RTX 5090 32GB
FP32 TFLOPS	104.8	104.8
VRAM	32 GB	32 GB
Memory Bandwidth	—	1.8 TB/s
TDP	575 W	575 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 5090 D 32GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5090 32GB peak TFLOPS (dense)
FP64	1.6	1.6
FP32	104.8	104.8
TF32	—	104.8
BF16	—	209.5
FP16	—	419.1
FP8	—	838.2
FP6	—	—
FP4	1187.5	1676.0
INT8	—	838.2

SPECIFICATIONS

	NVIDIA GeForce RTX 5090 D 32GB	NVIDIA GeForce RTX 5090 32GB
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2025
Form Factor	PCIe	PCIe
Memory Type	GDDR7	GDDR7

	NVIDIA GeForce RTX 5090 D 32GB	NVIDIA GeForce RTX 5090 32GB
Interface Width	512-bit	512-bit
Interconnect	—	—
TDP	575 W	575 W
FP32 Efficiency	0.18 TFLOPS/W	0.18 TFLOPS/W