

NVIDIA RTX PRO 4000 Blackwell SFF 24GB vs NVIDIA GeForce RTX 5090 32GB

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

OVERVIEW

	NVIDIA RTX PRO 4000 Blackwell SFF 24GB	NVIDIA GeForce RTX 5090 32GB
FP32 TFLOPS	24.0	104.8
VRAM	24 GB	32 GB
Memory Bandwidth	432 GB/s	1.8 TB/s
TDP	70 W	575 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 4000 Blackwell SFF 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5090 32GB peak TFLOPS (dense)
FP64	—	1.6
FP32	24.0	104.8
TF32	—	104.8
BF16	—	209.5
FP16	—	419.1
FP8	—	838.2
FP6	—	—
FP4	385.0	1676.0
INT8	—	838.2

SPECIFICATIONS

	NVIDIA RTX PRO 4000 Blackwell SFF 24GB	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 RTX PRO 4000 Blackwell SFF 24GB	NVIDIA GeForce RTX 5090 32GB
Interface Width	192-bit	512-bit
Interconnect	—	—
TDP	70 W	575 W
FP32 Efficiency	0.34 TFLOPS/W	0.18 TFLOPS/W