

NVIDIA GeForce RTX 5090 D V2 24GB vs NVIDIA RTX PRO 6000 Blackwell Server Edition

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

OVERVIEW

	NVIDIA GeForce RTX 5090 D V2 24GB	NVIDIA RTX PRO 6000 Blackwell Server Edition
FP32 TFLOPS	104.8	120.0
VRAM	24 GB	96 GB
Memory Bandwidth	1.3 TB/s	1.6 TB/s
TDP	575 W	600 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 5090 D V2 24GB peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Server Edition peak TFLOPS (dense)
FP64	1.6	—
FP32	104.8	120.0
TF32	—	234.0
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	1187.5	—
INT8	—	—

SPECIFICATIONS

	NVIDIA GeForce RTX 5090 D V2 24GB	NVIDIA RTX PRO 6000 Blackwell Server Edition
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2025
Form Factor	PCIe	PCIe

	NVIDIA GeForce RTX 5090 D V2 24GB	NVIDIA RTX PRO 6000 Blackwell Server Edition
Memory Type	GDDR7	GDDR7
Interface Width	384-bit	512-bit
Interconnect	—	—
TDP	575 W	600 W
FP32 Efficiency	0.18 TFLOPS/W	0.20 TFLOPS/W