



NVIDIA RTX PRO 5500 Blackwell Workstation Edition vs NVIDIA RTX PRO 6000 Blackwell Workstation Edition

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

OVERVIEW

	NVIDIA RTX PRO 5500 Blackwell Workstation Edition	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
FP32 TFLOPS	—	126.0
Memory	84 GB	96 GB
Memory Bandwidth	1.4 TB/s	1.8 TB/s
TDP	600 W	600 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 5500 Blackwell Workstation Edition peak TFLOPS (dense)	NVIDIA RTX PRO 6000 Blackwell Workstation Edition peak TFLOPS (dense)
FP64	—	2.0
FP32	—	126.0
TF32	—	251.9
BF16	—	503.8
FP16	—	503.8
FP8	—	1007.6
FP6	—	—
FP4	—	2015.2
INT8	—	1007.6

SPECIFICATIONS

	NVIDIA RTX PRO 5500 Blackwell Workstation Edition	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2026	2025

	NVIDIA RTX PRO 5500 Blackwell Workstation Edition	NVIDIA RTX PRO 6000 Blackwell Workstation Edition
Form Factor	PCIe	PCIe
Memory Type	GDDR7	GDDR7
Interface Width	416-bit	512-bit
Interconnect	—	—
TDP	600 W	600 W
FP32 Efficiency	—	0.21 TFLOPS/W