

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

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

OVERVIEW

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

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX PRO 6000 Blackwell Workstation Edition peak TFLOPS (dense)	NVIDIA RTX PRO 5500 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 6000 Blackwell Workstation Edition	NVIDIA RTX PRO 5500 Blackwell Workstation Edition
Architecture	Blackwell	Blackwell
Process Node	4nm	4nm
Launch Year	2025	2026

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